

APPENDIX 1
EAP CVS



Prime Resources (Pty) Ltd
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Jonathan van de Wouw – Principal Environmental Consultant

Present Appointment	Principal Environmental Consultant and Project Manager
Professional Registration	Registered Environmental Assessment Practitioner (EAP), EAPASA registration 2019/909
Nationality	South African (English Speaking)
Qualifications	BSc (Genetics and Microbiology), University of the Witwatersrand, 2005 BSc (Hons) (Dist) (Microbiology and Biotechnology), University of the Witwatersrand, 2006
Languages	English, Afrikaans

Synopsis Jonathan is a Principal Environmental Consultant and Project Manager with thirteen years' experience executing and managing projects in South Africa, and internationally, in the mining, industrial and waste management sectors. His expertise includes, *inter alia*, site-selection, environmental and social impact assessment and management planning, public consultation, mine closure and rehabilitation planning and financial provision evaluations, due diligence and independent technical review, integrated waste and water management planning, environmental compliance auditing and groundwater monitoring. Jonathan has a detailed knowledge of environmental law and precedents (including those governing development in South Africa, Angola and Zambia, as well as the World Bank Equator Principles and International Finance Corporation Guidelines and Performance Standards).

Jonathan has assessed and evaluated hydrogeological and hydrological studies and the application thereof in determining risks and opportunities throughout the various phases of project development. He is competent in the interpretation of numerical groundwater flow and contaminant transport models, geochemical risk assessments, hydro-census data, dewatering models, floodline delineations, hydrological / rainfall and evaporation models and catchment strategies. He is furthermore able to evaluate the application of this data into integrated mine waste and water management models and provide commentary on the adequacy and suitability hereof.

Project History

International EIA processes in terms of the Equator Principles, IFC, host-country legislative requirements

- Vale Fértil LDA: Proposed Lucunga opencast phosphate mine, Zaire Province, Angola
- Mongo Tando Limited: Proposed Cacata opencast phosphate mine, Cabina Province, Angola
- Lubambe Copper Mine Limited: Proposed underground extension project at the Lubambe Copper Mine, Chilibombwe, Zambia

Hydrogeological Technical Advisory and Due Diligence

- External peer review of the geohydrological and hydrological inputs into a FS for a large nickel-laterite project, Brazil
- Independent high-level review of the hydrogeological aspects as part of the due diligence study for the Khoemacau Copper Mine, Botswana
- Downstream impact monitoring on the ground and surface water resources from several operational and closed landfill facilities, South Africa
- Medium- and long-term impact determination for groundwater- and surface water resources arising as a result of several mining projects, South Africa
- Geochemical characterisation of impacts arising due to backfilling at a platinum mine, South Africa
- Hydrogeological characterisation studies for mine design purposes at several proposed mining operations, South Africa
- Waste / water management solutions for disposal of Cd-rich phosphate process waste, Angola
- Bulk water resource solutions from wastewater effluent for a coal mine and processing operation in South Africa
- Long-term water-related risk assessments for several mining Prefeasibility and Definitive Feasibility Studies
- Effluent discharge options study for a landfill site, South Africa
- Geohydrological technical summary for a due diligence study of the Blue Ridge Mine, South Africa
- Hydrogeology technical review for the due diligence study of the Tri-K Gold Project, Guinea
- Hydrogeology technical review for the due diligence study of the Bon Ami Bauxite Project, Guinea

EIAs and EMPs, including Waste Management- and Water Use Licensing (where applicable)

- Proposed Canyon Springs opencast coal mine, South Africa
- Proposed Scheiding opencast chrome mine, South Africa
- Proposed Mbila and Msebe opencast and underground anthracite mines, South Africa
- Proposed KaNgwane opencast anthracite mine, South Africa
- Proposed T-Project underground coal mine, South Africa
- Prospecting right applications for manganese over various properties in the Northern Cape Province, South Africa
- Proposed flammable goods store at the Imperial Cargo Solutions, Alrode Depot, South Africa
- Prospecting right application for manganese over various properties in Hotazel, South Africa
- Registration of the Imperial Cargo Solutions Garfield Logistics Park to comply with the Gauteng Provincial Environmental Framework (GPEMF) Standard, South Africa
- Application for rectification for the unlawful commencement of listed activities in terms of Section 24G of NEMA for a dangerous goods warehousing and logistics facility in KwaZulu-Natal, South Africa
- Application for a proposed Class A waste management and disposal facility, Mpumalanga, South Africa
- Application for a new slag dump and slimes facility at a chrome smelter in Limpopo, South Africa
- Water Use Licence Application for the proposed Haakdoorn drift opencast chrome mine, Limpopo Province, South Africa
- Amendment of the approved EMP for the Sebilo Manganese Mine, Northern Cape, South Africa
- EMP amendment for the Dishaba Mine underground tailings backfill project, Limpopo Province, South Africa
- Consolidation of approved EMPs for the Amandelbult Platinum Mine, Limpopo Province, South Africa
- Amendment of the Rustenburg Platinum Mines Limited EMP for the proposed chromite recovery plant, North West Province, South Africa
- Optimum Coal Holdings Limited: Proposed 4-seam underground mining expansion at Blinkpan, Koornfontein Mines, Mpumalanga

Environmental advisory, legal and risk assessment projects including due diligence

- Independent environmental opinion for the operational readiness of a proposed off-take from a historical Hematite stockpile in Ferrobank, Mpumalanga Province

- Independent environmental risk review, analysis and financial model assessment for the implementation of environmental and water management measures for a coal pillar re-mining project at the historical colliery in the Mpumalanga Province, South Africa
- Environmental sensitivity analysis and risk assessment for Steamboat Resources graphite project situated in the Limpopo Province, South Africa
- Independent Technical Advisor (environmental discipline) on behalf of the lender for the Nokeng Fluorspar Mine, South Africa
- Environmental risks, constraints and opportunities analysis for the proposed increased base load capacity of the Kelvin Power Station, South Africa
- Environmental legal review and advisory regarding a boundary-pillar mining proposal for a manganese mine in the Northern Cape, South Africa

Mine closure planning and financial provision assessments

- Annual review and update of the quantum for closure- and rehabilitation related financial provision of the Sebilo Resources – Perth Mine, South Africa
- 2009 – 2015 annual financial liability auditing, review and update for the Shiva Uranium, Dominion Reefs Uranium Mine, North West Province, South Africa
- Preparation of a preliminary closure plan for the Bafokeng Rasimone Platinum Mine, North West Province, South Africa
- Calculation of the updated quantum for closure-related financial provision of the Ntshovelo Resources, Vlakvarkfontein Colliery, Mpumalanga Province, South Africa
- Participation in the development of a care and maintenance programme and closure strategy for the Eskom – Majuba Colliery, South Africa
- Care and maintenance programmes and closure liability assessments for several chrome mining operations in the Steelpoort and Mooinooi regions, South Africa
- Review and update of the quantum for rehabilitation-related financial provision for prospecting-related activities at nine Samancor Chrome Limited sites in the eastern (Limpopo Province) and western (North West Province) limbs, South Africa
- Review and update of the quantum for closure-related financial provision and alignment with the requirements of the NEMA Financial Provision Regulations for the Modikwa Platinum Mine, Limpopo Province, South Africa
- Annual review and update of the quantum for closure-related financial provision and liability assessment for the Samancor Chrome Limited - TC Smelters chrome beneficiation facility in Mooinooi, North West Province, South Africa

Environmental Compliance Auditing

- External compliance audits of the requirements of permits held by the Ekurhuleni Metropolitan Municipality for five operational landfill sites in Gauteng Province (2008 – 2015)
- (2011 – present) Lead environmental compliance auditor of the following sites owned and operated by Interwaste Environmental Solutions (Pty) Ltd: Klinkerstene Waste Park (Mpumalanga Province), FG Landfill site-, Wynberg Depot-, Maluti Hazardous Waste Treatment, Storage and Handling Site- and Germiston Hub (Gauteng Province), Airport Transfer Station-, George and Mossel Bay Depots (Western Cape), Postmasburg Depot (Northern Cape)
- NEMA Regulation 34 auditing of compliance with Environmental Authorisation for several Samancor Chrome prospecting sites in the North West- and Limpopo Provinces
- NEMA Regulation 34 auditing of the Environmental Authorisation held by Imperial Cargo Solutions for diesel tanks installed at the Alrode depot, Gauteng Province
- Auditing of compliance of the Samancor Chrome: Ferrometals site in Ferrobank, Mpumalanga, with the requirements of the Water Use Licence and Waste Management Licences held for the facility



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Louise Jones – Senior Environmental Consultant | GIS Specialist

Present Appointment	Senior Environmental Consultant and GIS Specialist, Prime Resources (Pty) Ltd, September 2018 – Present
Previous Appointment	Environmental Consultant, Prime Resources (Pty) Ltd, February 2013 – August 2018
Nationality	South African (English Speaking)
Education	MSc Environmental Sciences, University of the Witwatersrand, 2013 BSc (Hons.) Applied Chemistry, University of the Witwatersrand, 2010 BSc, Environmental Science and Chemistry, University of the Witwatersrand, 2009

Synopsis

Louise has eight years of experience in environmental consulting. She has experience in performance assessments, social and labour plans, financial liability assessments associated with mine closure and rehabilitation, environmental impact assessments and management programmes and environmental compliance auditing. Louise also has experience in Geographic Information Systems.

Project History

Environmental Authorisation Processes (Basic Assessments, EIA's, Stakeholder Engagement and EMP's)

- Bacarac Trading 104, Buffelsdoorn Mine, North West Province, South Africa
- CGERO, Van Dyk Prospecting Right Application, Gauteng Province, South Africa
- ERPM Extension Area 1, ERPM Extension 2 Mine, Gauteng Province, South Africa
- Middelvlei Minerals, Middelvlei Mine, Gauteng Province, South Africa
- PAMDC, Prospecting Right Application, Northern Cape Province, South Africa
- Newshelf, Cons Modder Project, Gauteng Province, South Africa
- Gold One Africa, Ventersburg Project, Free State Province, South Africa
- Vale Fertil, Lucunga Phosphate Project, Angola
- Horizonte Minerals, Araguaia Nickel Project, Brazil
- Gold One International, Holfontein Project, Gauteng Province, South Africa
- Mbila Resources, Mbila and Msebe Anthracite Mines, KwaZulu-Natal, South Africa
- Moongate Barberton Iron Ore, Mpumalanga, South Africa
- Anglo American Platinum, Amandelbult Chrome Recovery Plant, Limpopo, South Africa

- Samancor Chrome, Scheiding Chrome Mine, Limpopo, South Africa

Water, Waste Management and Compliance Auditing

- Integrated Water Use Licence and GN704 compliance audit for the Modikwa Platinum Mine, Limpopo Province, South Africa
- Water Monitoring, Ekurhuleni Metropolitan Municipality, Closed Landfill Sites, Gauteng Province, South Africa
- Water Monitoring, Ekurhuleni Metropolitan Municipality, Ekurhuleni Metropolitan Municipality, operational landfill sites, Gauteng Province, South Africa
- Environmental Compliance Auditing, Ekurhuleni Metropolitan Municipality, operational landfill sites, Gauteng Province, South Africa
- Environmental compliance auditing of the Marble Hall Landfill Site, Ephraim Mogale Local Municipality, Limpopo Province, South Africa
- Groundwater Monitoring and Environmental Compliance Auditing, Interwaste Klinkerstene Landfill Site, Mpumalanga Province, South Africa
- Groundwater Monitoring and Environmental Compliance Auditing, Interwaste F.G. Landfill Site, Gauteng Province, South Africa
- Bi-annual Environmental Compliance Audit, Interwaste Hazardous Waste Transfer Facility, Germiston, Gauteng Province, South Africa

Environmental Authorisation and Environmental Management Programme Compliance Auditing

- Environmental Control Officer and Environmental Compliance Monitoring for the Interwaste Klinkerstene Landfill Site, Delmas, Mpumalanga Province, South Africa

Soil and Agricultural / Land Capability Impact Assessment

- Newshelf, Cons Modder Project, Gauteng Province, South Africa
- Vale Fertil, Lucunga Phosphate Project, Angola
- Holfontein Project, New Kleinfontein Goldmine (Pty) Ltd, Modder East Operations, Gauteng, South Africa

Social and Labour Plans

- Bacarac Trading 104, Buffelsdoorn Mine, North West Province, South Africa
- Newshelf, Cons Modder Project, Gauteng Province, South Africa
- Gold One Africa, Ventersburg Project, Free State Province, South Africa
- Mbila Resources, Msebe Opencast Mining Activities, KwaZulu-Natal, South Africa
- Jubilee Platinum, Tjate Platinum Mine, Mpumalanga, South Africa
- SAMDC, Mooiplaats Platinum Mine, Limpopo, South Africa

Due Diligence

- Review of Lihobong Diamond Mine, Lesotho
- Review of Maamba Colliery's existing and proposed expansion project, Zambia
- Environmental and social baseline report (pre-feasibility) for the Horizonte Minerals, Araguaia Nickel Project, Brazil

- Review and gap analysis preparation for T-Project Colliery, Kinross, Mpumalanga Province, South Africa

Mine Closure Liability and Performance Assessments

- Sebilo Resources, Perth Mine, Northern Cape Province, South Africa
- Care and Maintenance Plan for the Samancor Chrome, Western Chrome Mines, Lannex Mine, Limpopo Province, South Africa
- Closure Plans and Annual assessment of the Quantum for Closure-Related Financial Provision for the Modikwa Platinum Mine, Limpopo Province, South Africa
- Performance Assessment and Evaluation of the Quantum for Closure-Related Financial Provision, Mbila Resources and various Samancor^{Cr} prospecting right areas
- Annual Financial Liability Auditing, Shiva Uranium, Dominion Reefs Uranium Mine, North West Province, South Africa

GIS (Proficient with ArcGIS software - currently using ArcGIS 10.1)

- Mapping and spatial analysis of the mine layout, underground mine plan, farm portions and environmental information for various projects
- High level environmental review to identify environmentally sensitive areas by mapping all available environmental information for various projects
- Mapping and spatial analysis of newly mined, previously mined and rehabilitated areas for various annual financial liability audits and closure plans
- Mapping of boreholes forming part of the water monitoring networks for various projects



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Dr Bronwyn Grover – Senior Environmental Scientist

Present Appointment	Senior Environmental Scientist / Chemist
Professional Registration	South African Council for Natural Scientific Professions (SACNASP) No. 116334 (Environmental Science)
Nationality	South African
Education	PhD (Environmental Analytical Chemistry), University of the Witwatersrand BSc Hons. (Chemistry, <i>with distinction</i>), University of the Witwatersrand BSc. (Geology and Chemistry, <i>with distinction</i>), University of the Witwatersrand

Synopsis Bronwyn is an environmental chemist with a specialisation in mine water chemistry. She has five years of experience in characterising and assessing the impacts of mine residue stockpiles on surface and ground water systems. In recent projects at Prime Resources, Bronwyn has undertaken geochemical assessments, mine waste classification, water monitoring, contaminated land assessments, soil and land capability studies. Bronwyn has experience in Water Use Licence Applications and Environmental Authorisation processes.

Project History

Geochemical and Soil Assessments

- Waste classification of waste rock, Songwe REE, Malawi
- Contaminated land assessment, landfill facility, South Africa
- Geochemical assessment of coal and waste rock, Lemur Imaloto Coal, Madagascar
- Waste classification of waste rock, Middelvllei Mine, Gauteng Province, South Africa
- Geochemical assessment of Deccan Gold Mines Ltd, Ganajur Project, India
- Soil and land capability assessment of Buffelsdoorn Gold Mine, North West Province, South Africa
- Soil impact assessment and land capability assessment, Cons Modder, Gauteng Province
- Review of geochemical analyses and international waste classification standards, Unki Slag, Zimbabwe
- Review of geochemical and water data for Due Diligence reports, Maamba Colliery, Zambia
- Review of geochemical data for new tailings storage facility liner design, Al Amar, Saudi Arabia
- Dust source analysis and identification, Vaal Racecourse, South Africa

Water Quality Assessments

- Water quality monitoring at Interwaste, Klinkerstene Waste Management Park, South Africa
- Water quality monitoring at Interwaste, FG Landfill, South Africa

- Water quality assessment of Gold One International, Modder East Operations, Gauteng Province, South Africa
- Review and analysis of the options available for the disposal or discharge of treated effluent arising at the Klinkerstene Waste Management Park, South Africa

Salt Balance

- 2019 and 2020 Salt balances complemented with geochemical modelling, Modder East, Gauteng Province, South Africa

Environmental Authorisation Processes and Public Participation

- Scoping Report for Buffelsdoorn Gold Mine, North West Province, South Africa
- Desktop Environmental and Social Review of the Lomati Gold Mine, Eswatini
- Environmental Impact Assessment, Gold One Africa, Ventersburg Project, Free State Province, South Africa
- Environmental Impact Assessment, Cons Modder Gold Mine, Gauteng Province, South Africa
- Basic Assessment, Prospecting Right, Pan African Mineral Development Company, Northern Cape, South Africa
- Scoping Report for Class A Waste Management Licence, Interwaste Klinkerstene, Mpumalanga, South Africa

Water and Waste Management and Licensing

- Water Use Licence Application and Integrated Waste and Water Management Plan for the proposed Ventersburg Gold Mine, Free State Province, South Africa
- Water Use Licence Application and Integrated Waste and Water Management Plan for the proposed Samancor Haakdoorn drift Chrome Mine, Limpopo Province, South Africa
- Water Use Licence Application and Integrated Waste and Water Management Plan for the proposed Cons Modder Gold Mine, Gauteng Province, South Africa
- Water management strategy and Water Use Licence Application for New Kleinfontein Goldmine, Gauteng Province, South Africa

Care and Maintenance and Mine Closure Planning

- Care and Maintenance Plan for Samancor Bokone and Morula mines, South Africa
- Rehabilitation Plan for the proposed Cons Modder Gold Mine, Gauteng Province, South Africa
- Rehabilitation Plan for the proposed Samancor Chrome Mine, Limpopo Province, South Africa

Waste Management and Compliance Auditing

- Environmental compliance auditing of operational landfill sites, Ekurhuleni Metropolitan Municipality, Gauteng Province, South Africa
- Environmental compliance auditing of operational landfill sites, Interwaste, Gauteng and Mpumalanga Provinces, South Africa

APPENDIX 2
COMPANY PROFILE



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COMPANY PROFILE

Prime Resources (Pty) Ltd is a medium-sized group of consulting environmental engineers and scientists serving clients across a wide range of industries, although the majority of our project work is based around natural resources, waste and mining.

The company was established in Johannesburg in 2003. Our head offices are located in Parktown North, Johannesburg, South Africa.

Prime Resources employs a talented and innovative group of professional people. We also have an extensive network of specialist sub-contractors who, together with our team, provide specialist environmental and civil design services. We provide consulting services and solutions to clients in a wide range of fields including:

- Project Management and implementation of environmental solutions
- Environmental Social Impact Assessments (ESIA) and Environmental Management Programmes (EMPr)
- Public consultation and engagement with Interested and Affected Parties (IAPs)
- Water Use Licence Applications (WULA)
- Waste management strategies and licensing
- Mining Right Applications
- Mine closure and rehabilitation planning
- Social and Labour Plans (SLP)
- Environmental and social compliance auditing and performance assessments
- Geographic Information Systems (GIS) services
- Environmental / civil / geotechnical engineering solutions
- Geotechnical and tailings dam assessments
- Feasibility studies
- Environmental advisors on purchase and sale transactions – Independent Technical Advisors
- Environmental and social due diligence and risk assessments both in terms of national legislation and international best practice
- Advising on compliance with international best practice, most importantly the Equator Principles, IFC Performance Standards, and World Bank EHS Guidelines

KEY STAFF AND QUALIFICATIONS

PROFESSIONAL STAFF	ROLE	QUALIFICATIONS
Peter Theron	Company Director Environmental Engineer Project Manager	Professional Engineer (Pr. 950329) BSc Eng. (Civil) GDE Environmental Engineering, Tailings & Geotechnical
Jonathan van de Wouw	Project Manager Principal Environmental Scientist	BSc (Hons) Microbiology and Biotechnology Registered Environmental Assessment Practitioner (EAP)
Gené Main	Project Manager Principal Environmental Scientist	Pr. Sci. Nat. (Environmental Science) Registered EAP MSc Botany BSc (Hons) Environmental Science
Louise Jones	Senior Environmental Scientist GIS Specialist	MSc Environmental Sciences BSc (Hons) Applied Chemistry
Stephan Geyer	Senior Civil Engineer	BSc Eng. (Civil)
Stephen Tarlton	Senior Environmental Scientist	Pr. Sci. Nat. (Environmental Science) MSc Plant conservation ecology BSc Plant Sciences and Ecology
Dr Bronwyn Grover	Environmental Scientist Geochemistry	Pr. Sci. Nat. (Environmental Science) PhD Environmental Analytical Chemistry BSc Geology and Chemistry
Fernanda Smook	Office Manager	Business Management courses

ASSOCIATES:

PROFESSIONAL STAFF	ROLE	QUALIFICATIONS
Niel Scheepers	Civil Engineering Technician	B Tech (Civil)

PROJECT EXPERIENCE

Prime Resources has considerable in-house experience in the technical and civil design of mine and waste residue storage facilities, including geotechnical engineering, geochemical evaluation, barrier selection and design, hydrogeology and wastewater containment.

Our in-house technical project team includes Peter Theron, Director of Prime Resources and a Professional Engineer (Civil) with over 33 years' experience and specialising in Environmental Engineering, Tailings, Waste Management and Geotechnical Design.

We have further associated ourselves with a number of specialist service providers whom we work together with to provide a complete range of design solutions, including civil engineering technicians and draughtsmen, hydrogeologists and hydrologists.

INTERNATIONAL PROJECTS

- **Al Amar Tailings Storage Facility Design, Saudi Arabia**
 - Tailings and Waste disposal aspects of Al Amar Tailings Retreatment Project
 - Detailed design of the liner system and contract documentation
- **Minas Moatize due diligence, Mozambique**
 - Review of environmental, social and legislative aspects
 - Review of the waste disposal discard disposal aspects
- **Lemur Resources Coal Project, Madagascar**
 - High level review of the coal discard, environmental and social work undertaken during PFS
- **Avesoro New Liberty Access Road Review, Liberia**
 - Review of geotechnical, road design aspects
- **Tri-K due diligence, Guinea**
 - Review of environmental, social and legislative aspects
 - Review of the waste disposal discard disposal
 - Compilation of a Stage 2 Due Diligence report
- **Segilola Gold due diligence, Nigeria**
 - Review of environmental, social, geochemical and tailings aspects
 - Compilation of a Stage 2 Due Diligence report
- **Ar Rjum Due Dilligence, Saudi Arabia**
 - Independent Technical Review of tailings aspects
- **Nouvelle Gabon Manganese, Gabon**
 - Review of environmental, social, geochemical and tailings aspects
 - Compilation of a Stage 1 high level report
- **Itasca Africa Lubambe Extension Project, Zambia**
 - Review of environmental, social and legislative aspects for Pre-Feasibility Study
 - Compilation of an integrated environmental and social report
- **Araguaia Nickel Project, Brazil**
 - Detailed design of slag disposal facility for Feasibility Study
 - Site geotechnical investigations
 - Detailed design of cooling water dam and river abstraction pipeline

- **Lindi Jumbo Graphite Project, Tanzania**
 - Surface geotechnical study
 - Site selection for tailings storage facility
 - Pre-Feasibility Study design for tailings storage facility
 - Definitive Feasibility Study design for tailings storage facility
 - Terracing design for plant infrastructure
- **Cacata Phosphate Project, Angola**
 - Environmental licensing according to Angolan legislative requirements
 - Environmental and Social Impact Assessment process according to international best practice
- **Ganajur Gold Project, India**
 - Review of environmental aspects for Feasibility Study
 - Surface geotechnical study
 - Site selection for tailings storage facility
 - Feasibility Study design for tailings storage facility
- **Salamanca Uranium Project, Spain**
 - Feasibility Study design for lined surface waste disposal facilities
 - Feasibility Study design and detailing for an in-pit waste disposal liner system
- **Mpokoto Gold Project, Democratic Republic of Congo**
 - Surface geotechnical study
 - Site selection for tailings storage facility
 - Pre-Feasibility Study design for tailings storage facility
 - Bankable Feasibility Study design for tailings storage facility
 - Terracing design for plant infrastructure
- **Unki Platinum Slag Storage Facility, Zimbabwe**
 - Geotechnical investigation for the slag stockpile area and borrow material;
 - Detailed design for construction of a slag stockpile and water management infrastructure.
- **Olovo Terrace Design, Bosnia**
 - Geotechnical design of a terrace for a run-of-mine ore pad and access ramp.
- **Caula Graphite Project, Mozambique**
 - Site selection and sizing of a graphite tailings storage facility
 - Scoping level design aspects including seepage management, surface water management
- **Cinovec Project, Czech Republic**
 - Pre-feasibility Study (PFS) for the waste rock disposal facility
 - Pre-feasibility Study (PFS) for the terracing and earthworks
- **Lucunga Phosphate Project, Angola**
 - Environmental licensing according to Angolan legislative requirements
- **Veduga Gold Project, Russia**
 - Technical review of environmental and mine waste disposal aspects
- **Ghaghoo Diamond Project, Botswana**
 - Independent technical review of the environmental, social and permitting documentation according to the Equator Principles, IFC Performance Standards, and World Bank EHS Guidelines
 - Preparation of an Equator Principles environmental and social action plan

- **Debswana Diamond Projects, Botswana**
 - Peer review of environmental and mine waste aspects for Pre-Feasibility Studies
- **Liqhobong Diamond Mine, Lesotho**
 - Independent technical review of the environmental and social aspects, permitting, water management and residue management - according to the Equator Principles, IFC Performance Standards, and World Bank EHS Guidelines
- **Koidu Diamond Project, Sierra Leone**
 - Review of environmental, social, groundwater and tailings documentation for compliance with Equator Principles, IFC Performance Standards and EHS Guidelines
- **Araguaia Nickel Project, Brazil**
 - Environmental and social baseline report Pre-Feasibility Study
 - Preliminary design of slag disposal facility for Pre-Feasibility Study
- **Maminskoye Gold Project, Central Urals, Russia**
 - Environmental and social audit of the Pre-Feasibility Study
- **Cabinda Phosphate Project, Angola**
 - Social impact plan and Environmental Management Plan for prospecting
 - Environmental and social baseline report towards the Definitive Feasibility Study stage
- **Owere Gold Project, Ghana**
 - Independent technical review of the environmental, social and permitting documentation
- **Kinsevere Copper Project, Democratic Republic of Congo**
 - Review of tailings dam risks and opportunities for compliance with Equator Principles
- **Kipoi Copper Mine, Democratic Republic of Congo**
 - Review of environmental, social, heap leach and tailings of the Kipoi Central RDFS operations, Tiger Resources
 - Independent technical review of the environmental, social and permitting documentation according to the Equator Principles, IFC Performance Standards, and World Bank EHS Guidelines
- **Zanaga Iron Ore Project, Democratic Republic of Congo**
 - Environmental and social section of the order of magnitude study
- **Pakrut Gold Mine, Tajikistan**
 - Social and Environmental Impact Assessment process, baseline evaluations according to international best practice requirements
- **Lece Gold Mine, Serbia**
 - Tailings technical review and concept design work for a tailings retreatment project
- **Langer Heinrich Uranium Mine, Namibia**
 - Independent technical review of the tailings storage facility and storage strategy
- **Maamba Coal Mine, Zambia**
 - Independent technical review of the environmental, social, permitting, discard and water management according to the Equator Principles, IFC Performance Standards, and World Bank EHS Guidelines
- **North River Resources Lead Zinc, Namibia**
 - High level review of the environmental and social documentation according to Namibian legislative requirements
- **Minas Moatize Coal Expansion Project, Mozambique**

- Independent technical review and due diligence of mine residue facilities (slurry and discard), water management, environmental and social aspects
- **Aquarius Shipping International, Warehouse and Container Depot, Beira, Mozambique**
 - Geotechnical investigation
- **Passendro Gold Project, Democratic Republic of Congo**
 - Independent peer review for tailings storage facility
- **Banro Twangiza Project, Democratic Republic of Congo**
 - Independent technical review of the environmental, social, tailings and water management aspects according to the Equator Principles

NATIONAL PROJECTS

Projects are all conducted in terms of relevant National legislation, including the National Environmental Management Act, No. 107 of 1998 (NEMA); the Mineral and Petroleum Resources Development Act, No. 28 of 2002 (MPRDA); the National Environmental Management: Waste Act, No. 59 of 2008; the National Water Act, No. 36 of 1998 etc.

- **Bacarac Trading 104 – Buffelsdoorn Mine, North West**
 - Social and Labour Plan
 - Scoping Report and Environmental Management Programme
 - Water Use Licence Application
- **Middelvlei Minerals – Middelvlei Mine, Gauteng**
 - Environmental Impact Assessment and Environmental Management Programme
 - Waste Management Licence
 - Water Use Licence Application
- **CGERO – Van Dyk Prospecting Right, Gauteng**
 - Prospecting Right Application
 - Environmental Authorisation process incl. BAR, EMP and closure plan
- **ERPM Extension Area 1 – ERPM Ext 2 Mine, Gauteng**
 - Environmental Impact Assessment and Environmental Management Programme
 - Waste Management Licence
 - Water Use Licence Application
- **Sebilo Resources – Perth Mine, Northern Cape**
 - Assessment of the quantum for rehabilitation-related financial provision
- **Samancor^{Cr} – TC Smelters, North West**
 - Closure, Decommissioning and Rehabilitation Plan
 - Assessment of the quantum for rehabilitation-related financial provision
- **Samancor^{Cr} – Ferrometals, Mpumalanga**
 - EMP performance assessment for decommissioning of the IC3 facility
 - Slag dump waste management licence compliance audit
 - Water use license compliance audit
- **Tawana Investment Holdings – Prospecting Right, Northern Cape**
 - Prospecting Right Application
 - Environmental Authorisation process incl. BAR, EMP and closure plan

- **Pan African Mineral Development Company – Prospecting Right, Northern Cape**
 - Prospecting Right Application
 - Environmental Authorisation process incl. BAR, EMP and closure plan
- **Newshef – Cons Modder Project, Gauteng**
 - Social and Labour Plan
 - Environmental Impact Assessment and Environmental Management Programme
 - Water Use Licence Application
- **Imperial Cargo Solutions – Flammable Goods Store, Gauteng**
 - Environmental Impact Assessment and Environmental Management Programme
- **Gold One Africa – Ventersburg Project, Free State**
 - Social and Labour Plan
 - Environmental Impact Assessment and Environmental Management Programme
 - Waste Management Licence
 - Water Use Licence Application
 - Atmospheric Emission Licence
- **WRE – EJV Gold Project, Free State**
 - Site selection for tailings storage facility
 - Pre-Feasibility Study design for tailings storage facility
- **Rietvlei Mine, Mpumalanga**
 - Technical input on discard dump and pollution control dam design
- **Gold One Africa – Holfontein Gold Project, Gauteng**
 - Environmental Impact Assessment and Environmental Management Programme
 - Water Use Licence Application and water dam designs
- **New Kleinfontein Goldmine – Modder East Operations, Gauteng**
 - Environmental Impact Assessment and Environmental Management Programme and amendments thereto
 - Basic Assessment for a return water dam and Environmental Management Programme amendment
 - Water Use Licence Application and amendments thereto
 - Atmospheric Emission Licence application
 - Rehabilitation Strategy and Implementation Programme
 - Social and Labour Plan revision
 - Equator Principles and IFC compliance review
 - Alien invasive vegetation eradication plan
 - Emergency preparedness and response plan
 - Stormwater management plan
- **Interwaste – Various sites in Gauteng, Mpumalanga and Western Cape**
 - Environmental compliance auditing at various landfill sites and depots
 - Water quality monitoring and reporting
 - External environmental control officer for the Klinkerstene Landfill Site, Environmental Authorisation and construction Environmental Management Programme compliance auditing
- **Ekurhuleni Metropolitan Municipality – Various landfill sites in Gauteng**

- Environmental compliance auditing at various landfill sites and transfer stations
- Permit amendment application
- Water quality monitoring and reporting
- **Royal Bafokeng Platinum, North West**
 - Annual assessment of the quantum for rehabilitation-related financial provision for Prospecting Rights
- **Samancor^{Cr} – Various sites in Limpopo**
 - Performance assessments and assessment of the quantum for rehabilitation-related financial provision for various Prospecting Rights
- **Modikwa Platinum Mine, Mpumalanga**
 - Water Use Licence compliance audit and action plan
 - Annual assessment of the quantum for rehabilitation-related financial provision
 - Annual Rehabilitation Plan
 - Final Rehabilitation Decommissioning and Closure Plan
 - Environmental Risk Assessment
 - Waste Management Licence Amendment
- **Coal of Africa – Vele Colliery, Limpopo**
 - Independent technical review of the environmental, social, tailings and water management aspects according to the Equator Principles and IFC Performance Standards
- **Canyon Springs Coal Mine, Mpumalanga**
 - Environmental Impact Assessment and Environmental Management Programme
 - Water Use Licence Application
 - Waste Management Licence application
 - High level bulk water supply assessment
 - External environmental control officer, construction Environmental Management Programme compliance auditing
 - Water Use Licence execution
- **Elsmore Pafuri Camp, Limpopo**
 - Environmental Authorisation amendment
- **Elsmore Luvuvhu Camp, Limpopo**
 - External environmental control officer, Environmental Authorisation and construction Environmental Management Programme compliance auditing
- **Bio-2-Watt – Biogas Plant, Gauteng**
 - External environmental control officer, construction Environmental Management Programme compliance auditing
 - Technical advice
- **Samancor^{Cr} – Scheiding Chrome Mine, Limpopo**
 - Environmental Impact Assessment and Environmental Management Programme
 - Water Use Licence Application
- **African Exploration Mining Finance Corporation – T-Project Colliery, Mpumalanga**
 - Environmental Impact Assessment and Environmental Management Programme
 - Water Use Licence Application

- Closure and rehabilitation plan
- Bulk water supply assessment
- Equator Principles compliance review and gap analysis
- Stakeholder engagement plan and grievance mechanism
- Emergency preparedness and response plan
- Alien invasive vegetation eradication plan
- Water Use Licence execution
- **Mbila Anthracite Mine, KwaZulu-Natal**
 - Basic Assessment and Environmental Management Programme
 - Water Use Licence amendment
- **Msebe Opencast Anthracite Mine, KwaZulu-Natal**
 - Environmental Impact Assessment and Environmental Management Programme
- **Tjate Platinum Mine, Limpopo**
 - Environmental and social baseline report
 - Baseline environmental assessments and project management of the environmental inputs into the Pre-Feasibility Study
 - Social and Labour Plan update
 - Site selection and preliminary design for a tailings storage facility
- **Tharisa Platinum Mine, North West**
 - Due diligence for independent technical engineers report (ITE), review of the environmental, social and tailings documentation and reporting and annual updates thereto
- **Anglo American Platinum Limited – Rustenburg Platinum Mines, Limpopo**
 - The consolidation of existing approved Environmental Management Programmes and the alignment thereof with the requirements of the MPRDA
- **Kalagadi Manganese Mine, Northern Cape**
 - Review of environmental documentation to determine compliance with Equator Principles and international best practice, on behalf of Standard Bank
- **African Exploration Mining Finance Corporation – Vlakvarkfontein Colliery, Mpumalanga**
 - Water Use Licence Application
 - Closure and rehabilitation plan
 - The technical design, 3D modelling and detailing of the conceptual backfill plan for an opencast pit
 - Compilation of an alien invasive vegetation eradication plan
 - Social and Labour Plan amendment
 - Basic Assessment and Environmental Management Programme for a haul/ access road and above ground diesel storage area
- **Western Bushveld Joint Venture – Project 1, North West**
 - Review of environmental, hydrology and tailings dam documentation for compliance with Equator Principles, IFC Performance Standards and EHS Guidelines, on behalf of Standard Bank
- **Anglo American Platinum Limited – Amandelbult Chrome Recovery Plant, Limpopo**
 - Basic Assessment and Environmental Management Programme for a chrome recovery plant
 - Addendum to the existing Environmental Impact Assessment and Environmental Management Programme in terms of the MPRDA

- **Steenkampskraal Project, Western Cape**
 - Review of environmental, hydrology and tailings dam documentation for compliance for PEA Canadian NI 43-101 filing
- **Malelane Iron Ore Project, Mpumalanga**
 - Preliminary environmental and social baseline studies
- **Rand Uranium – Reclamation of Lindum Tailings Storage Facility, Gauteng**
 - Environmental Impact Assessment and Environmental Management Programme addendum
- **Hlabisa Coal, KwaZulu-Natal**
 - High-level, desktop environmental evaluation (sensitivity analysis)
- **Anglo American Platinum Limited – Kilken Tailings, Limpopo**
 - Independent technical review of the environmental and social aspects permitting and water management according to the Equator Principles, IFC Performance Standards, and World Bank EHS Guidelines
- **Mooiplaats Platinum Mine, Limpopo**
 - Social and Labour Plan
- **Rietkuil Coal Project, Mpumalanga**
 - Independent technical review and due diligence of environmental documentation
- **Evander Gold Mine, Mpumalanga**
 - Review of environmental, social and tailings dam documentation for compliance with South African Environmental and Social Standards
- **Holgoun Energy – Springbok Flats Coal Fields, Limpopo**
 - Competent Persons Report
 - High level bulk water supply assessment
 - High level environmental review for the Western Complex Project
- **Kudumane Manganese Mine, Northern Cape**
 - Independent technical review of the environmental and social aspects
- **ZYL Limited – KaNgwane Anthracite Mine, Mpumalanga**
 - Environmental Impact Assessment and Environmental Management Programme
 - Water Use Licence Application
 - Closure and rehabilitation plan
- **ZYL Limited – Southern Anthracite Project, Mpumalanga**
 - Environmental Impact Assessment and Environmental Management Programme
- **DRDGold – Blyvooruitzicht Mining Operation, Gauteng**
 - High level environmental review
- **Lonmin – Akanani Platinum Project, Limpopo**
 - Pre-Feasibility Study, review of the environmental and social documentation and reporting of high level risks and opportunities
- **Anglo American Platinum Limited – Dishaba Mine, Limpopo**
 - Environmental Impact Assessment and Environmental Management Programme
 - Water Use Licence amendment
- **Majuba Colliery, Mpumalanga**
 - Closure and rehabilitation plan

- **Rietfontein Prospect, Limpopo**
 - Geotechnical investigation
 - Environmental Management Programme amendment
- **Namaqualand Mines, Northern Cape**
 - Independent technical review of the environmental, social and tailings aspects according to the Equator Principles and IFC Performance Standards
- **Leeuwfontein and Blinkpan project areas, Mpumalanga**
 - Geotechnical investigation
- **Bafokeng Rasimone Platinum Mine, North West**
 - Preliminary closure and rehabilitation plan
- **Umtu (Manganese) Mine Project, Northern Cape**
 - Independent technical review of the environmental and social aspects according to the Equator Principles and IFC Performance Standards
- **Koorfontein Mines, Mpumalanga**
 - Environmental Impact Assessments and Environmental Management Programmes for the separate sections of the mining operations
 - Environmental Impact Assessments and Environmental Management Programmes amendment for the Leeuwfontein Block
 - Water Use Licence Applications for the separate sections of the mining operations
 - Identification of a suitable host area and conditions for resettlement and the compilation of the Resettlement Action Plan and agreement on timeframes and responsibilities
- **Bafokeng Rasimone Platinum Mine, North West**
 - Due diligence on environmental and tailings dam documentation for listing purposes on the JSE stock exchange
 - Competent Persons Report including environmental, social, hydrological and tailings aspects
- **Simmer & Jack Limited – Elandsdrift Heap Leach Pad, Mpumalanga**
 - Geotechnical and slope stability investigation
 - As built drawings for the Elandsdrift heap leach pad
- **Simmer & Jack Mines Limited Transvaal Gold Mining Estates, Mpumalanga**
 - Design, quality control/assurance manual, site support and part time project management for the design and construction of a heap leach dam extension
- **Afrikander Leases Gold Mine, North West**
 - Environmental Impact Assessment and Environmental Management Programme amendment
- **Grass Valley Platinum Project, Limpopo**
 - Update the environmental aspects in the Pre-Feasibility Study report
- **Lonmin PLC Western Platinum Mine, North West**
 - Basic Assessment and Environmental Management Programme for a hazardous waste storage facility
 - Waste Management Licence application

APPENDIX 3
ENVIRONMENTAL SCREENING REPORT

**SCREENING REPORT FOR AN ENVIRONMENTAL AUTHORIZATION AS
REQUIRED BY THE 2014 EIA REGULATIONS – PROPOSED SITE
ENVIRONMENTAL SENSITIVITY**

EIA Reference number: NC 30/5/1/2/2/10197MR

Project name: Tawana Hotazel Mine

Project title: Mining Right Application and Environmental Authorisation

Date screening report generated: 24/06/2021 09:56:32

Applicant: Tawana Hotazel Mining (Pty) Ltd

Compiler: Prime Resources (Pty) Ltd

Compiler signature:

.....

Application Category: Mining|Mining Right



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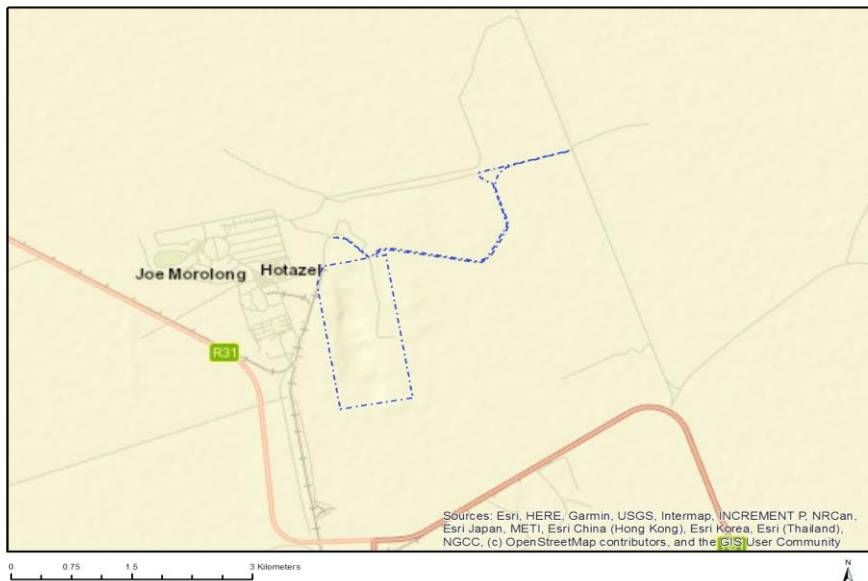
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Proposed Project Location

Orientation map 1: General location



Map of proposed site and relevant area(s)



Cadastral details of the proposed site

Property details:

No	Farm Name	Farm/ Erf No	Portion	Latitude	Longitude	Property Type
1	YORK A	279	0	27°13'46.02S	22°57'34.11E	Farm
2	HOTAZEL	280	0	27°12'4.47S	22°58'31.24E	Farm
3	HOTAZEL	280	0	27°12'43.82S	22°57'13.85E	Farm Portion
4	YORK A	279	1	27°13'7.14S	22°58'33.13E	Farm Portion

Development footprint¹ vertices:
No development footprint(s) specified.

Wind and Solar developments with an approved Environmental Authorisation or applications under consideration within 30 km of the proposed area

No	EIA Reference No	Classification	Status of application	Distance from proposed area (km)
1	12/12/20/2567	Solar PV	Approved	16.4
2	12/12/20/2566	Solar PV	Approved	16.4
3	14/12/16/3/3/2/616	Solar PV	Approved	23.5
4	14/12/16/3/3/2/615	Solar PV	Approved	5.7

¹ "development footprint", means the area within the site on which the development will take place and includes all ancillary developments for example roads, power lines, boundary walls, paving etc. which require vegetation clearance or which will be disturbed and for which the application has been submitted.

Environmental Management Frameworks relevant to the application

No intersections with EMF areas found.

Environmental screening results and assessment outcomes

The following sections contain a summary of any development incentives, restrictions, exclusions or prohibitions that apply to the proposed development site as well as the most environmental sensitive features on the site based on the site sensitivity screening results for the application classification that was selected. The application classification selected for this report is:

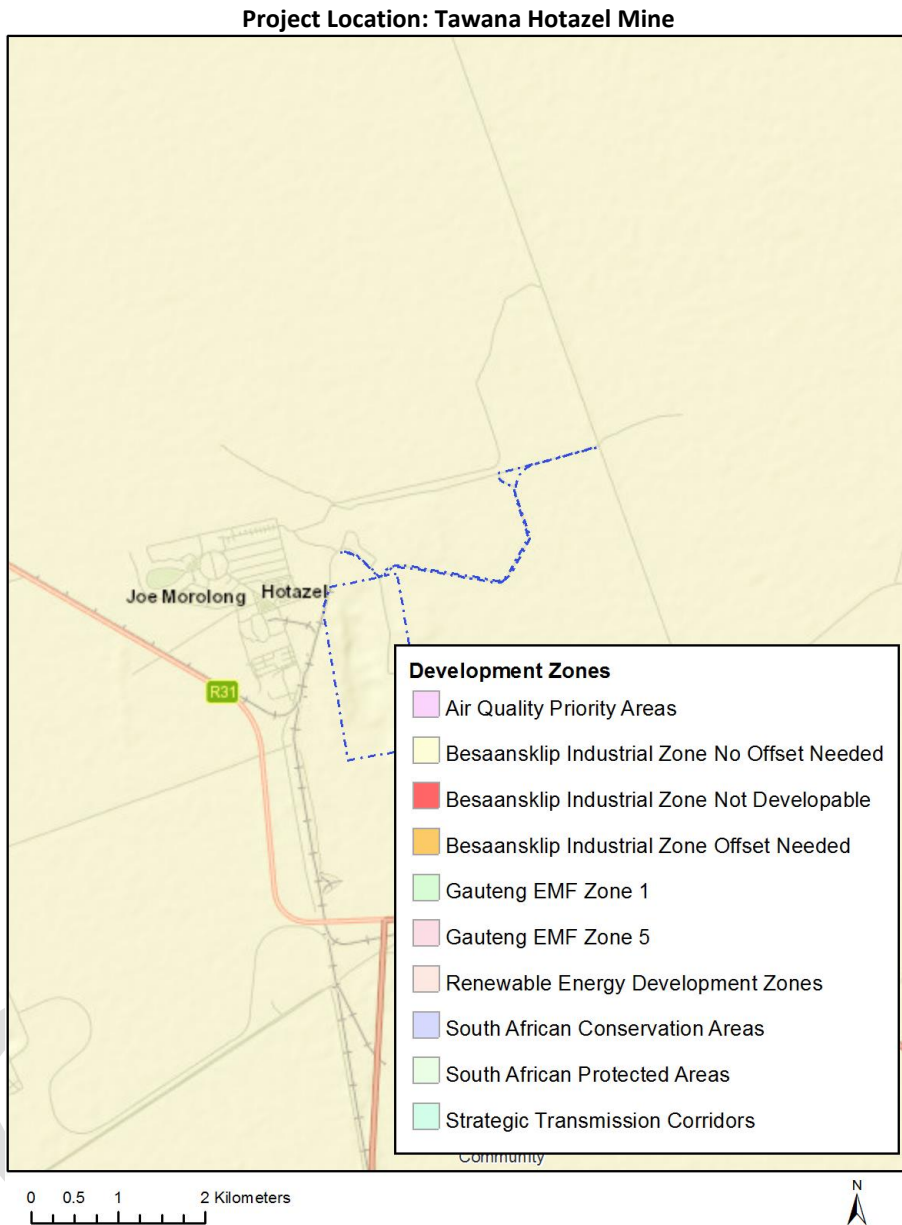
Mining | Mining Right.

Relevant development incentives, restrictions, exclusions or prohibitions

The following development incentives, restrictions, exclusions or prohibitions and their implications that apply to this site are indicated below.

No intersection with any development zones found.

Map indicating proposed development footprint within applicable development incentive, restriction, exclusion or prohibition zones



Proposed Development Area Environmental Sensitivity

The following summary of the development site environmental sensitivities is identified. Only the highest environmental sensitivity is indicated. The footprint environmental sensitivities for the proposed development footprint as identified, are indicative only and must be verified on site by a suitably qualified person before the specialist assessments identified below can be confirmed.

Theme	Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
Agriculture Theme			X	
Animal Species Theme				X

Aquatic Biodiversity Theme				X
Archaeological and Cultural Heritage Theme				X
Civil Aviation Theme		X		
Defence Theme				X
Paleontology Theme			X	
Plant Species Theme				X
Terrestrial Biodiversity Theme				X

Specialist assessments identified

Based on the selected classification, and the environmental sensitivities of the proposed development footprint, the following list of specialist assessments have been identified for inclusion in the assessment report. It is the responsibility of the EAP to confirm this list and to motivate in the assessment report, the reason for not including any of the identified specialist study including the provision of photographic evidence of the site situation.

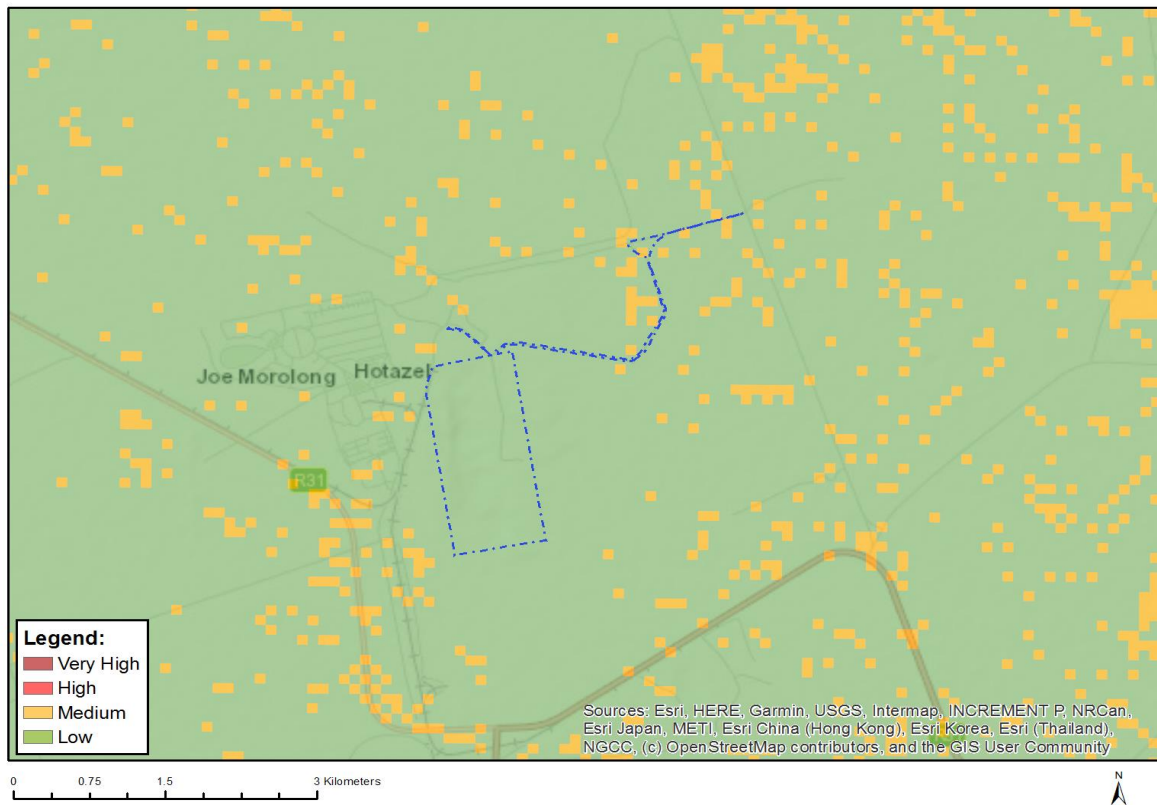
N o	Specialist assessment	Assessment Protocol
1	Agricultural Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Agriculture_Assessment_Protocols.pdf
2	Landscape/Visual Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
3	Archaeological and Cultural Heritage Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
4	Palaeontology Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_General_Requirement_Assessment_Protocols.pdf
5	Terrestrial Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Terrestrial_Biodiversity_Assessment_Protocols.pdf
6	Aquatic Biodiversity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted_Aquatic_Biodiversity_Assessment_Protocols.pdf
7	Hydrology	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols

	Assessment	/Gazetted General Requirement Assessment Protocols.pdf
8	Noise Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Noise Impacts Assessment Protocol.pdf
9	Radioactivity Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
10	Traffic Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
11	Geotechnical Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
12	Climate Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
13	Health Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
14	Socio-Economic Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
15	Ambient Air Quality Impact Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
16	Seismicity Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted General Requirement Assessment Protocols.pdf
17	Plant Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Plant Species Assessment Protocols.pdf
18	Animal Species Assessment	https://screening.environment.gov.za/ScreeningDownloads/AssessmentProtocols/Gazetted Animal Species Assessment Protocols.pdf

Results of the environmental sensitivity of the proposed area.

The following section represents the results of the screening for environmental sensitivity of the proposed site for relevant environmental themes associated with the project classification. It is the duty of the EAP to ensure that the environmental themes provided by the screening tool are comprehensive and complete for the project. Refer to the disclaimer.

MAP OF RELATIVE AGRICULTURE THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Low	Land capability;01. Very low/02. Very low/03. Low-Very low/04. Low-Very low/05. Low
Medium	Land capability;06. Low-Moderate/07. Low-Moderate/08. Moderate

MAP OF RELATIVE ANIMAL SPECIES THEME SENSITIVITY



Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their unique identifiers for which information is required. The name has been withheld as the species may be prone to illegal harvesting and must be protected. SANBI will release the actual species name after the details of the EAP or specialist have been documented.

Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY

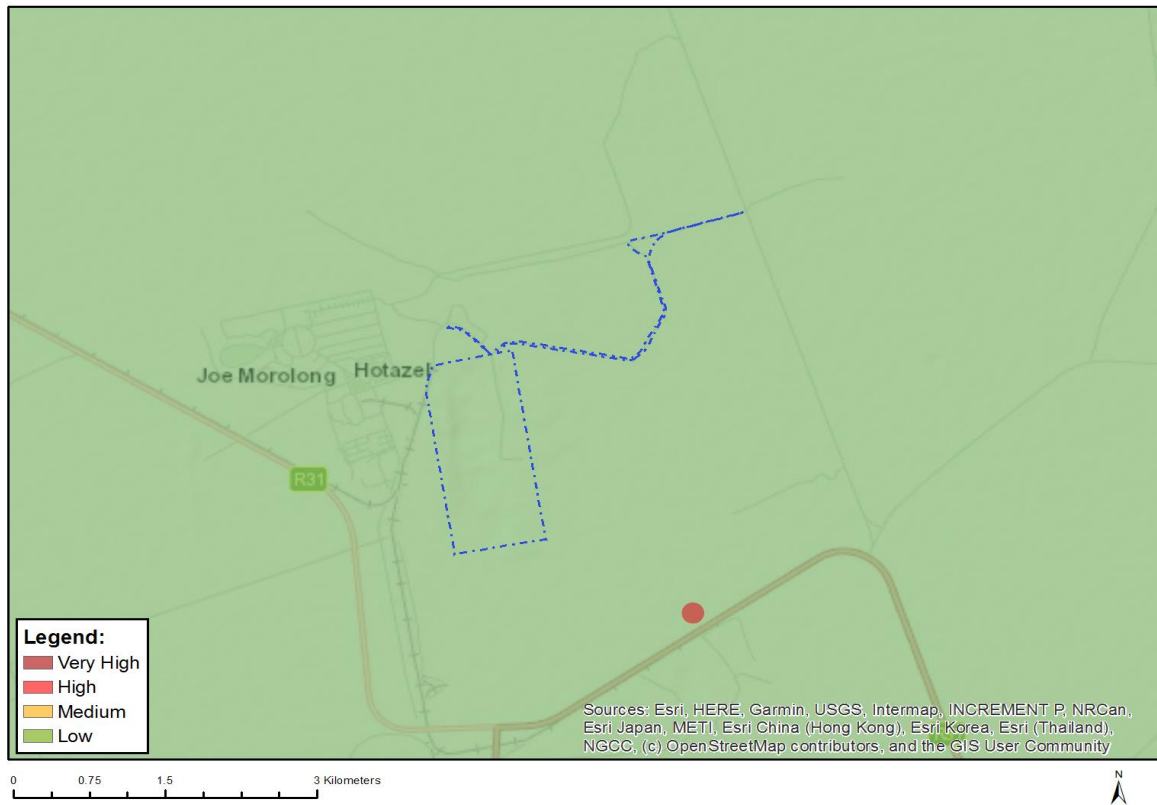


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE ARCHAEOLOGICAL AND CULTURAL HERITAGE THEME SENSITIVITY

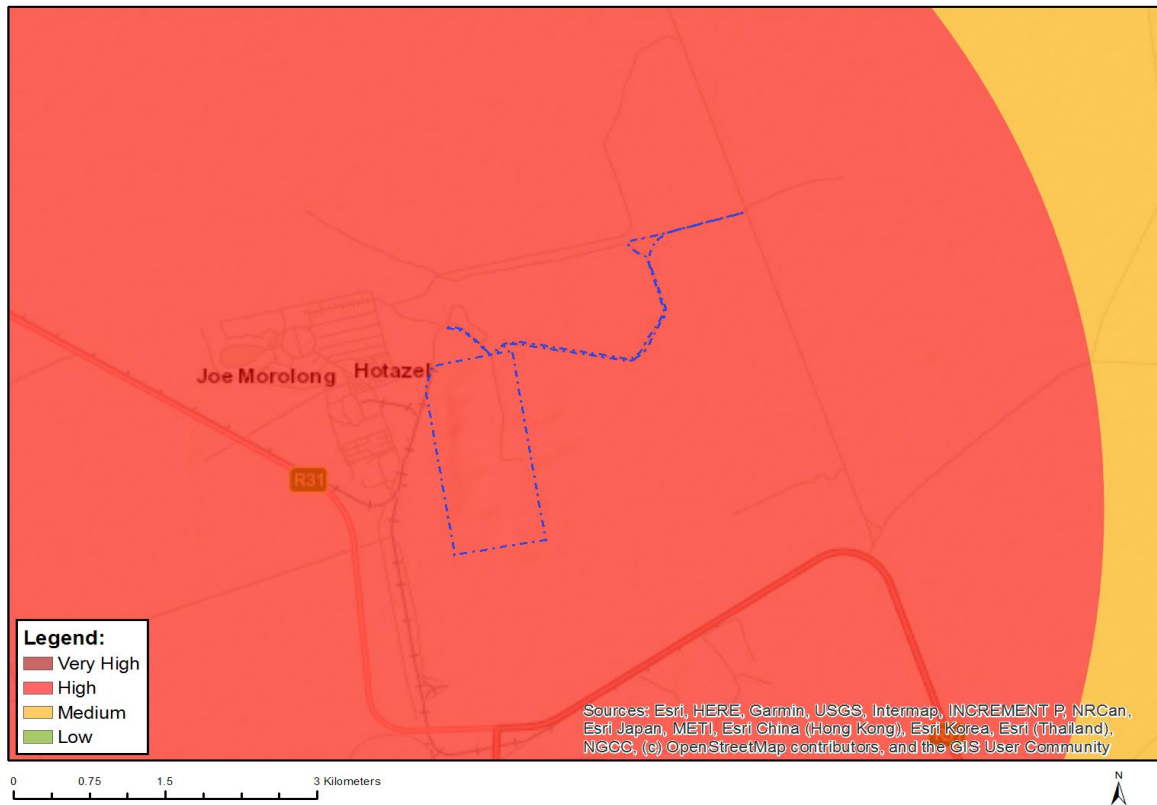


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low sensitivity

MAP OF RELATIVE CIVIL AVIATION THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
	X		

Sensitivity Features:

Sensitivity	Feature(s)
High	Within 8 km of other civil aviation aerodrome

MAP OF RELATIVE DEFENCE THEME SENSITIVITY

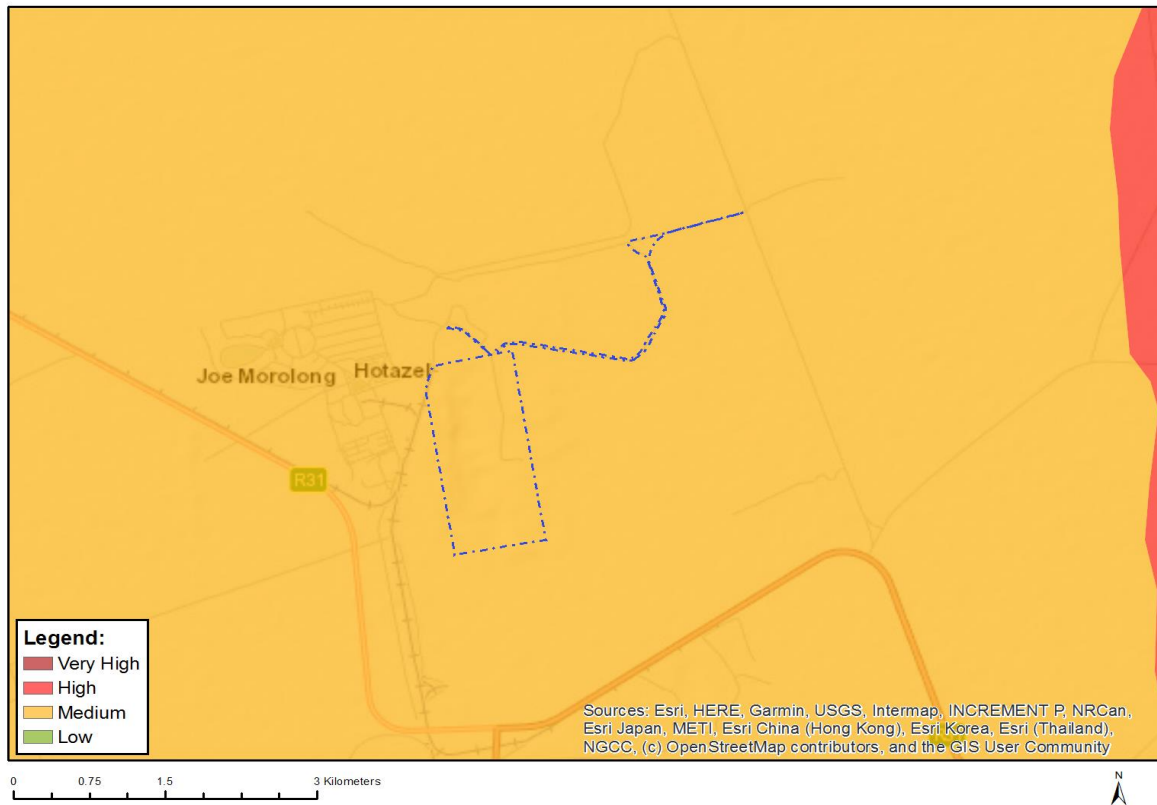


Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
		X	

Sensitivity Features:

Sensitivity	Feature(s)
Medium	Features with a Medium paleontological sensitivity

MAP OF RELATIVE PLANT SPECIES THEME SENSITIVITY



Where only a sensitive plant unique number or sensitive animal unique number is provided in the screening report and an assessment is required, the environmental assessment practitioner (EAP) or specialist is required to email SANBI at eiadatarequests@sanbi.org.za listing all sensitive species with their unique identifiers for which information is required. The name has been withheld as the species may be prone to illegal harvesting and must be protected. SANBI will release the actual species name after the details of the EAP or specialist have been documented.

Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY



Very High sensitivity	High sensitivity	Medium sensitivity	Low sensitivity
			X

Sensitivity Features:

Sensitivity	Feature(s)
Low	Low Sensitivity

APPENDIX 4
SITE SENSITIVITY VERIFICATION
REPORT



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TAWANA HOTAZEL MINING (PTY) LTD

SITE SENSITIVITY VERIFICATION REPORT FOR THE PROPOSED TAWANA HOTAZEL MINE

DECEMBER 2021

PREPARED FOR



Tawana Hotazel
Mining

124 Beyers Naude Drive
Roosevelt Park
Johannesburg
2195

DECLARATION OF INDEPENDENCE

Prime Resources is an independent environmental consulting firm with no vested interest in the proposed project other than to fulfil the contract for delivery of specialised environmental consulting services including, among others, those stipulated in the terms of reference.

We, Louise Jones and Jonathan van de Wouw, in our capacity as environmental consultants under the employ of Prime Resources, hereby declare that we –

- Act as independent consultants;
- Do not have any financial interest in the undertaking of the activity, other than remuneration for the work performed in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998);
- Have not, and will not engage in, conflicting interests in the undertaking of the activity;
- Undertake to disclose, to the competent authority, any material information that has or may have the potential to influence the decision of the competent authority or the objectivity of any report, plan or document required in terms of the National Environmental Management Act, 1998 (Act 107 of 1998);
- Will provide the competent authority with access to all information at our disposal regarding the application, whether such information is favorable to the applicant or not;
- Based on information provided to me by the project proponent and in addition to information obtained during the course of this study, have presented the results and conclusion within the associated document to the best of our professional ability;
- Reserve the right to modify aspects pertaining to the present investigation should additional information become available through ongoing research and/or further work in this field; and
- Undertake to have our work peer reviewed on a regular basis by a competent person.



Report Compiled by:	Reviewed by:
<p>Louise Jones Senior Environmental Scientist</p> 	<p>Jonathan van de Wouw Principal Environmental Consultant <i>Reg. EAP (EAPASA) No 2019/909</i></p> 

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LIST OF ACRONYMS

DFFE	Department of Forestry, Fisheries and the Environment
DMRE	Department of Mineral Resources and Energy
EAP	Environmental Assessment Practitioner
ECA	Environmental Conservation Act No. 73 of 1989
E-GIS	Environmental Geographic Information System
EIA	Environmental Impact Assessment
ESR	Environmental Screening Report
EMPr	Environmental Management Programme Report
MPRDA	Mineral and Petroleum Resources Development Act No. 28 of 2002
NEMA	National Environmental Management Act No. 107 of 1998
NWA	National Water Act No. 36 of 1998
PIA	Palaeontological Impact Assessment
SSV	Site Sensitivity Verification
THM	Tawana Hotazel Mine

1 INTRODUCTION

Tawana Hotazel Mining (Pty) Ltd has submitted an application for a Mining Right (MR) to the Department of Mineral Resources and Energy (DMRE) for the proposed Tawana Hotazel Mine (THM), in terms of Section 22 of the Mineral and Petroleum Resources Development Act, 2002 (MPRDA), to mine manganese and associated minerals. The THM covers portions of two farms (Hotazel 280 and York 279) within the Joe Morolong Local Municipality and the Magisterial District of John Taolo Gaetsewe in the Northern Cape Province. The mine is located approximately 1 km south-east of the town of Hotazel.

Tawana Hotazel Mining (Pty) Ltd has appointed Prime Resources (Pty) Ltd (Prime Resources) as the Environmental Assessment Practitioner (EAP) to conduct the necessary scope in fulfilment of an Application for Environmental Authorisation for the proposed THM. As per GN960 of 2019¹, read with Section 24(5)(a) of the National Environmental Management Act No. 107 of 1998 (NEMA), an Environmental Screening Report (ESR) was generated for the application using the National Web-based Screening Tool. The ESR identified the initial sensitivity of several environmental themes and the required assessments per the protocols described in GN320 and GN1150 of 2020 "Procedures for the Assessment and Minimum Criteria for Reporting on Identified Environmental Themes".

This report has been prepared in fulfilment of the following requirement of GN320 and GN1150: *Prior to commencing with a specialist assessment, the current use of the land and the environmental sensitivity of the site under consideration identified by the national web based environmental screening tool (screening tool), where determined, must be confirmed by undertaking a site sensitivity verification (SSV).*

1.1 Terms of Reference

GN320 and GN1150 prescribes the following for the SSV:

1. The SSV must be undertaken by an EAP or a specialist.
2. The SSV must be undertaken through the use of
 - a. a desktop analysis, using satellite imagery;
 - b. a preliminary on-site inspection; and
 - c. any other available information.
3. The outcome of the SSV must be recorded in the form of a report that
 - a. confirms or disputes the current use of the land and the environmental sensitivity as identified by the screening tool, such as new developments or infrastructure, the change in vegetation cover or status etc.;
 - b. contains a motivation and evidence (e.g. photographs) of either the verified or different use of the land and environmental sensitivity; and
 - c. is submitted together with the relevant reports prepared in accordance with the requirements of the NEMA Environmental Impact Assessment (EIA) Regulations (2014).

This report serves to record the outcomes of the SSV for the proposed THM.

¹ Notice of the Requirement to Submit a Report Generated by the National Web Based Environmental Screening Tool in Terms of Section 24(5)(h) of the National Environmental Management Act, 1998 (Act No 107 of 1998) and Regulation 16(1)(B)(V) of the Environmental Impact Assessment Regulations, 2014, as Amended

1.2 Details of authors

Prime Resources is a specialist environmental consulting firm providing environmental and related services, and was established in 2003. Prime Resources was founded by Peter Theron (PrEng, SAIMM), who has over 27 years' experience in the field of environmental science and engineering.

Jonathan van de Wouw (BSc Hons) is a Principal Environmental Consultant and Registered EAP (EAPASA Reg No 2019/909) with thirteen years' experience managing projects in the mining and industrial sectors, including financial liability assessments associated with mine closure and rehabilitation, mine waste and water management planning, environmental impact assessments and management planning and environmental auditing. He also has a detailed knowledge of environmental law and precedents, both locally and internationally.

Louise Jones is a Senior Environmental Scientist with eight years' experience in the field of environmental science. Her expertise includes environmental impact assessments and management planning in the mining sector as well as environmental compliance auditing in the waste management sector.

Certain elements of the verification were also carried out by the specialists who undertook the site-visits for their respective specialist studies. These specialists are referenced in this report.

2 BRIEF PROJECT DESCRIPTION

The area under application is approximately 154 Ha. Proposed surface infrastructure will include the opencast pit (incorporating the historical Hotazel Manganese Mine void and further expansion of the opencast footprint), in-pit waste dumps (residue material), vehicle yard, workshop, haul roads, offices, processing plant, refuel bay, product stockpile area, run of mine pad, pollution control dam and water storage dam (Figure 1).

Opencast mining methods will be used to a maximum depth of 95 m. Backfilling/ progressive rehabilitation will commence immediately following the commencement of the mining operation and its advance will match the depletion rate of the open pit. The proposed mining process is as follows: drilling → blasting → load and haul → dry crushing and screening plant → product stockpiling → road truck loading. There will be two main access points into the mine. The main transport route to the east will be for heavy vehicles and the main mine entrance to the west (near Hotazel) for light vehicles.

The proposed development will be an opencast mine with a 30-year life of mine. The mine will employ approximately 177 people (inclusive of outsourced service providers).

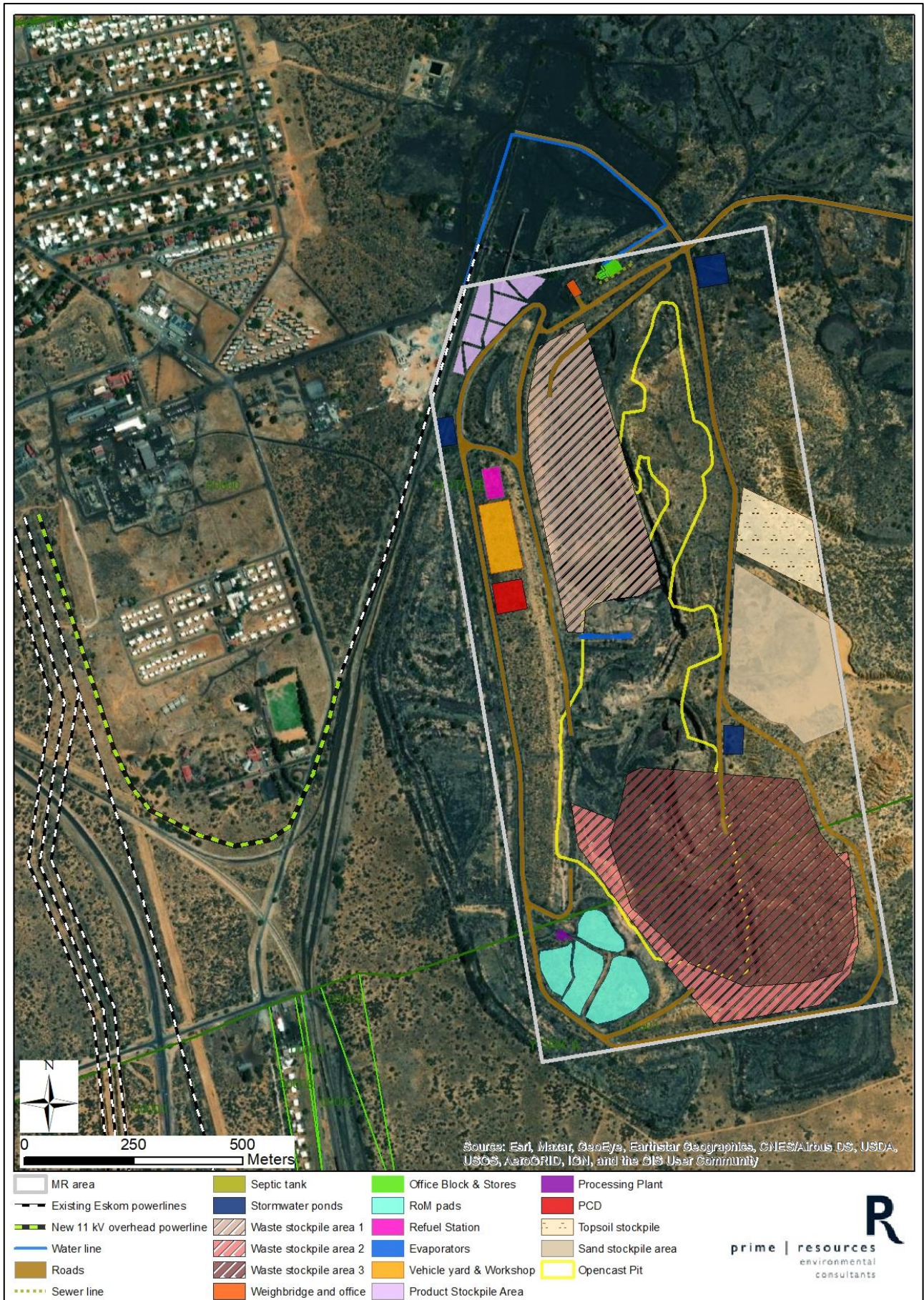


Figure 1: Proposed THM layout

3 METHODOLOGY

A comparative analysis of the current use of the land and the environmental sensitivity versus that presented in the ESR was undertaken through the use of the following:

3.1 Desktop analysis

Geographical data was sourced from the Department of Forestry, Fisheries and the Environment (DFFE) Environmental Geographical Information Systems (E-GIS), the South African National Biodiversity Institute’s (SANBI) Biodiversity spatial datasets, the Department of Agriculture, Forestry and Fisheries (DAFF), the Northern Cape Conservation Plan, the Northern Cape Province 2018 Spatial Development Framework, the South African Heritage Resources Information System (SAHRIS), the South African Protected Areas Database (SAPAD, 2020), the South African Conservation Areas Database (SACAD, 2020), ICT Service Strategy and Systems and the spatial datasets (satellite imagery) provided by Google and Microsoft to assess the expected sensitivity. Existing surface geology maps were also consulted.

3.2 Preliminary on-site inspection

Initial photographs of the site were taken by Prime Resources in July 2018 during the preliminary on-site inspection. More recent photographs were taken by various specialists during the course of 2020- and 2021. These photographs, together with observations made during the on-site inspections, were used to assess the current status of the site in order to confirm or dispute the current use of the land and the environmental sensitivity as identified by the screening tool. Photographs have been included as evidence of either the verified or different use of the land and environmental sensitivity .

3.3 Other information available

Applicable information was also sourced from other EIAs compiled for projects in the area. The Integrated Development Plan (IDP) of the John Taolo Gaetsewe District Municipality and the IDP of the Joe Morolong Local Municipality were also consulted.

4 SUMMARY OF ESR

Table 1 below summarises the sensitivities for environmental themes per the ESR (Appendix 3) as well as the required specialist assessments / procedures per GN320 / GN1150. Additional environmental receptors were identified by the EAP in addition to the themes of the ESR which are further reported on in the Environmental Impact Assessment Report (EIAR) and Environmental Management Programme (EMPr) and appendices thereto.

Table 1: Environmental Sensitivity as identified in the ESR

No	Theme	Predicted Sensitivity	Verification method
1	Agriculture	Medium	Specialist assessment
2	Animal Species	Low	Specialist assessment
3	Aquatic Biodiversity	Low	Specialist assessment
4	Archaeology and Cultural Heritage	Low	Specialist assessment
5	Civil Aviation	High	Other data source
6	Defence	Low	Other data source
7	Palaeontology	Medium	Specialist assessment
8	Plant Species	Low	Specialist assessment
9	Terrestrial Biodiversity	Low	Specialist assessment

5 RESULTS AND DISCUSSION

This section summarises the outcomes of the comparative analysis performed for the purposes of verifying the sensitivity of the various environmental themes for the site under application per the ESR. The various specialist studies carried out are attached as appendices to the EIAR/EMPr.

5.1 Current Land-use

From Google Earth satellite imagery, ground-truthed during site-visits undertaken in 2018, 2020 and 2021, the land use associated with the proposed THM is historic mining evidenced by the remaining void, adits, stockpiles of residue material and infrastructure (Figure 2 and Figure 6). No mining is currently taking place on the site (historical mining and related activities ceased in 1989), with the remaining infrastructure in a poor condition. The land-use in the vicinity of the site under application comprises primarily mining, residential and farming.

The Hotazel municipal waste site (G:S:B- , Permit No.: B33/2/441/20/P156, licence date 20 February 1995) is located within the area under application. Some of the residual topsoil stockpiles from mining activities are being used to cover the waste. Apart from the town of Hotazel, the area immediately surrounding the proposed THM is unpopulated and undeveloped.

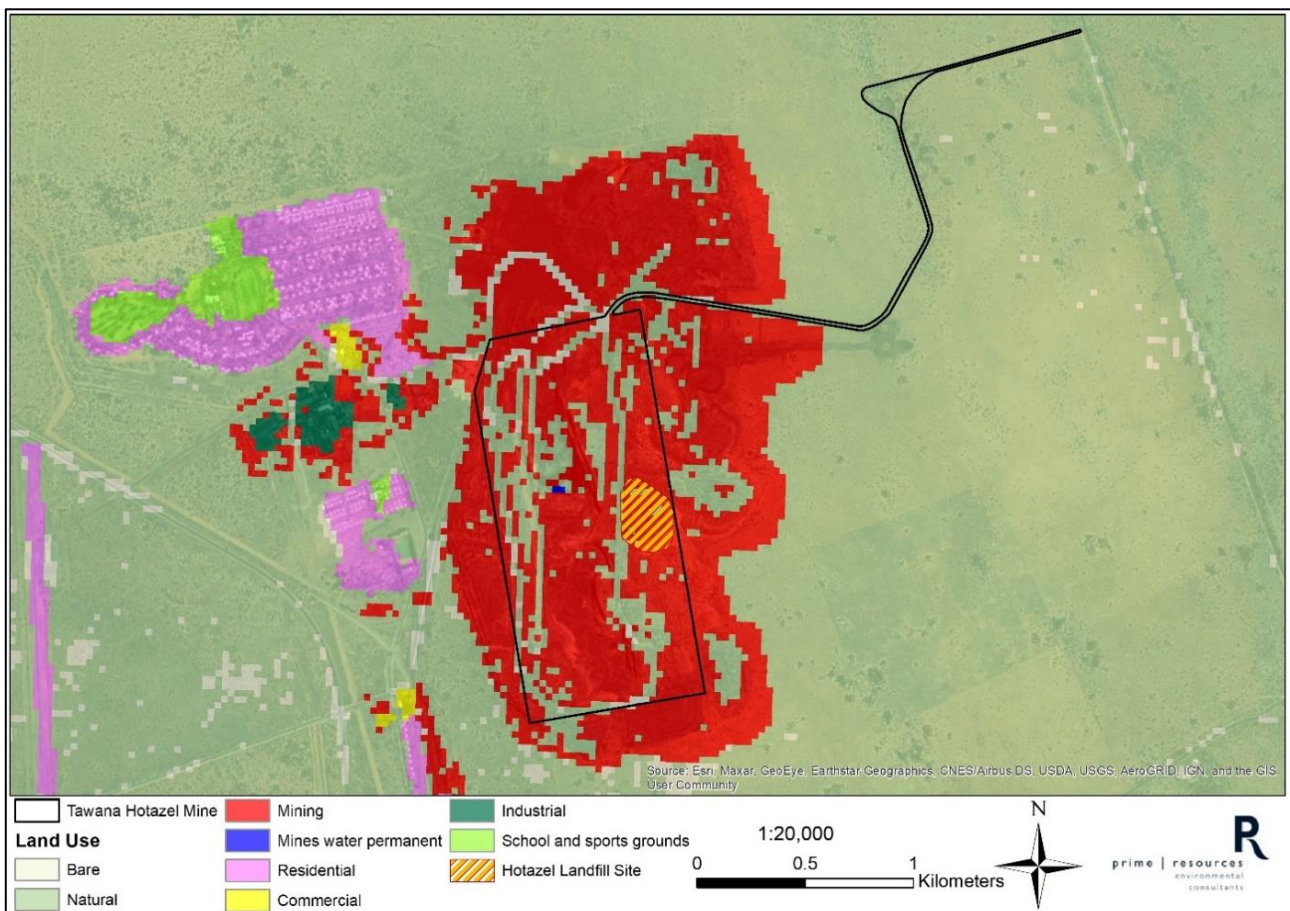


Figure 2: Land Uses associated with the proposed THM and surrounds



Figure 3: Google Earth Imagery of the Hotazel municipal waste site located within the proposed THM



Figure 4: Hotazel municipal waste site located within the proposed THM

(Photos taken by Dr Bruce Randell on 20/01/2021)

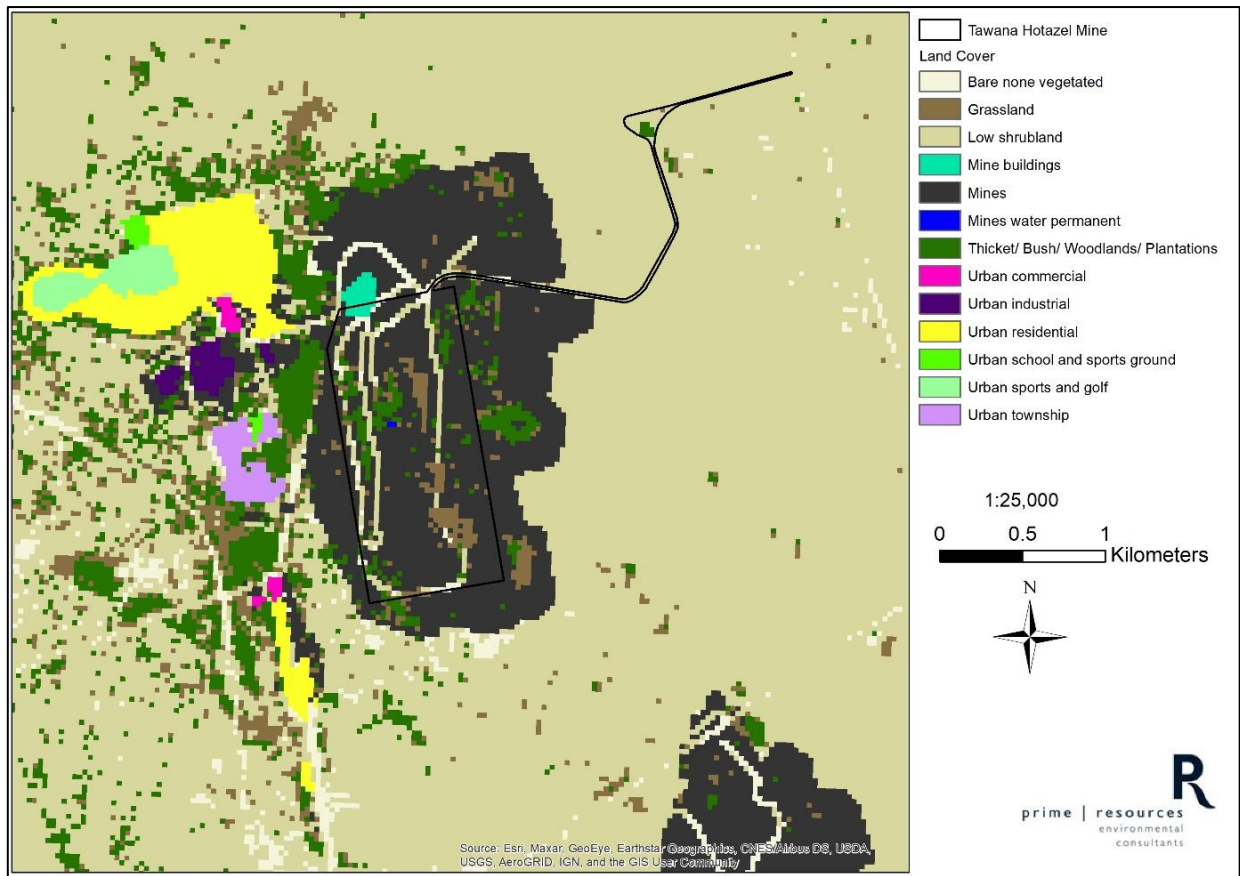


Figure 5: Land Cover associated with the proposed THM



Figure 6: Photographs showing the state of the site taken by the EAP (04/07/2018)



Figure 7: Photos from the site showing the opencast void and historical adits

(Photos taken by Field and Form Landscape Science on 23/10/2020)

5.2 Agriculture

The ESR classifies the area as being of medium sensitivity for the *Agricultural* theme. The ESR reports the highest sensitivity for a given theme, despite most of the application area being of low Agricultural sensitivity, there are small parcels of medium Agricultural sensitivity situated along the proposed access road (which utilises existing roads) (refer to Figure 8). The SSV for this theme was performed as part of the Agricultural Compliance Statement for the Proposed Tawana Hotazel Mine compiled by Digital Soils Africa (Pty) LTD (DSA) (July 2021) (refer to Appendix 8 of the EIAR/EMPr).

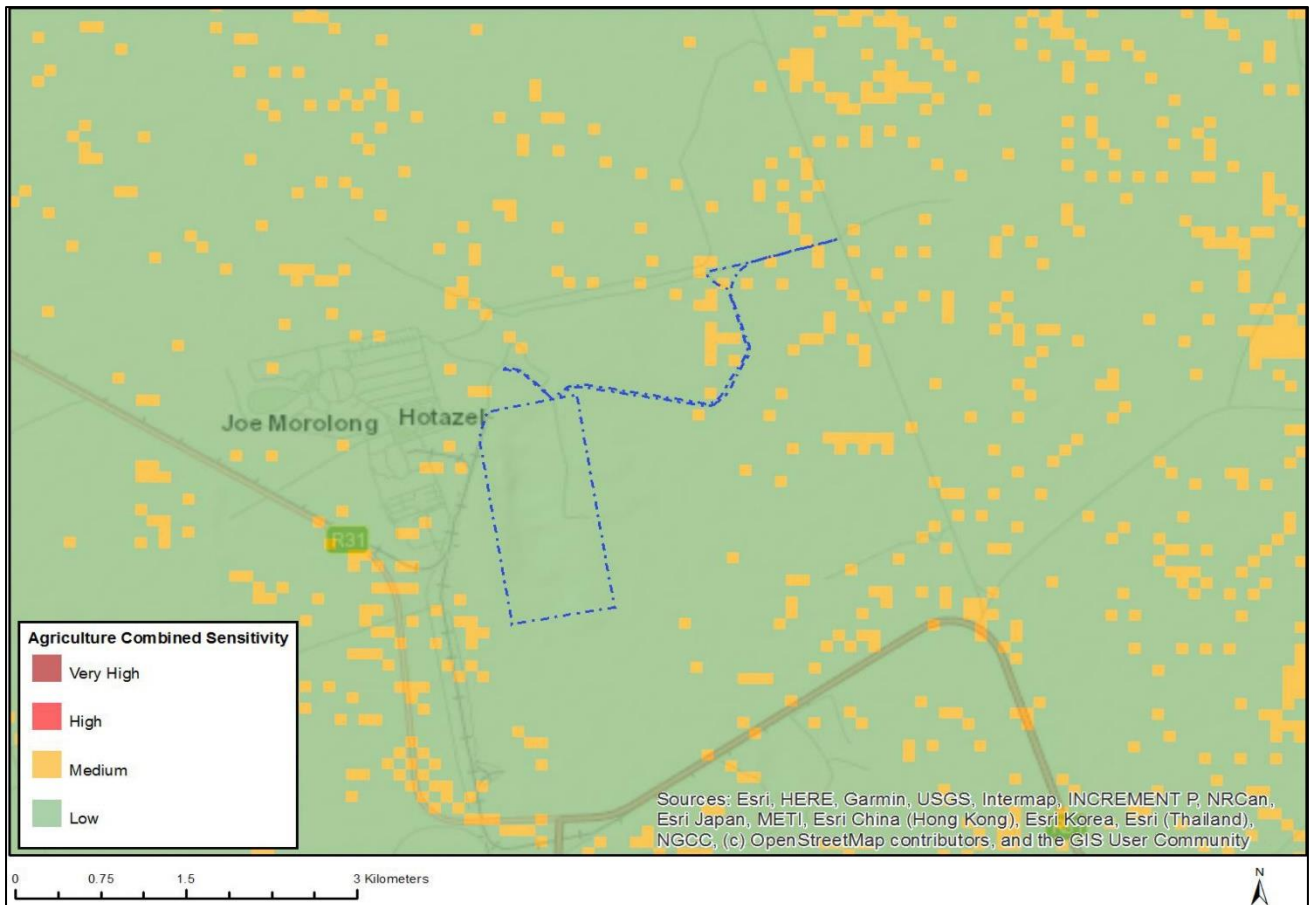


Figure 8: Agricultural sensitivity of area under application (as per the ESR)

The Compliance Statement was compiled according to the protocol for the specialist assessment and minimum report content requirements for the environmental impacts on agricultural resources (GN320 of 2020).

The National Land Capability Classification was undertaken at a national scale, using the landtype data on a scale of 1:250 000 (DAFF National land capability evaluation raster data layer, 2017). The National Land Capability has fifteen classes, as opposed to the eight classes described by Schoeman et al. (2002). Classes 1 to 7 are of low land capability and only suitable for wilderness or grazing. Classes 8 to 15 are considered to have arable land capability with the potential for high yields increasing with the land capability class number. The feature which increases the low Agricultural sensitivity to medium sensitivity are Land capability values of between 6 and 8, which are considered moderately arable soils.

The mean annual rainfall distribution is between 200 and 400 mm and the site falls within the arid climate. The current land use is dominated by historic open cast mining and mining infrastructure. The access road intersects natural grasses.

There is only one land type occurring in the study area, namely Ah9 (Figure 9). Ah9 is dominated by freely drained and structureless soils (93%). Most of the soils are deeper than 1200 mm (96%) and have less than 6% clay. Soils in the area have limited pedological development and the texture of soil in this land type is dominated by sand with the clay fraction estimated as less than 10%. Deep Hutton and Clovelly soil forms (>1.2m) constitutes the largest portion of this land type. The landtypes of the area predict deep red sandy soils. These soils will have a low water holding capacity which will limit crop production in the arid climate.

Therefore, the soil capability is considered low, and therefore a low Land Capability of less than 5. Most of the site footprint is dominated by historic mining activities and therefore minimal soil is present.

The site falls in a low grazing capacity of 13 hectares per large stock unit (ha/LSU). Most of the site is sparsely vegetated mine site; therefore, the grazing potential would be very limited as most the area is bare mine discard with small areas of tree cover.

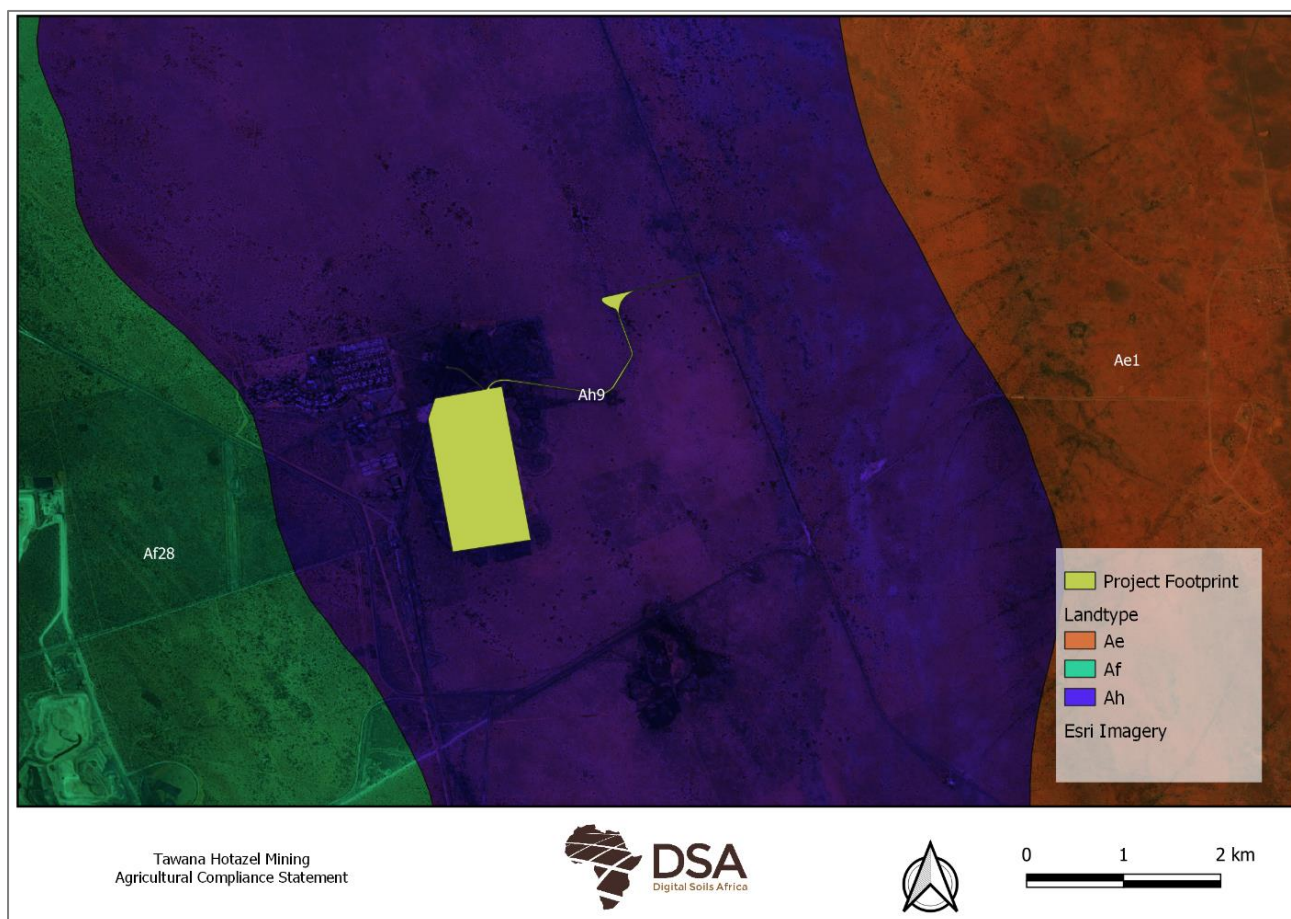


Figure 9: Land types occurring in the study area (Land Type Survey Staff, 1972 – 2002)

It is the specialist’s opinion that the proposed THM differs from the ESR designation of “medium” *Agricultural* sensitivity and a “low” *Agricultural* sensitivity is therefore motivated when considering the climate (low rainfall, high temperatures, and evaporation) in combination with the sandy deep soils (low water holding capacity) making the area poorly suited to arable agriculture. As the proposed THM is situated within a historically mined area, grazing is also not considered a compatible land use as animals are likely to be injured.

5.3 Archaeological and cultural heritage

The ESR classifies the area as being of low sensitivity for the *Archaeological and Cultural Heritage* theme. The SSV for this theme was performed as part of the specialist Heritage Impact Assessment compiled by Archaeos Culture and Cultural Resource Consultants (April 2021) (refer to Appendix 10 of the EIAR/EMPr). The field survey was undertaken in November 2020 to identify objects, sites and features of cultural significance within the area under application.

The findings of the specialist assessment were that, from a cultural perspective, known heritage sites are situated at a distance to the west of the proposed THM on the opposite side of the town of Hotazel and are therefore not threatened by the proposed development. No sites of cultural heritage importance were identified within the surveyed area and therefore the ESR sensitivity for the archaeological and cultural sensitivity theme of “low” is therefore verified.

5.4 Palaeontology

The ESR classifies the area as being of medium sensitivity for the *Palaeontology* theme. The SSV for this theme was performed as part of the specialist Palaeontological Impact Assessment (PIA) report compiled by Prof Marion Bamford (November 2020) (refer to Appendix 9 of the EIAR/EMPr).

From the South African Heritage Resources Information System (SAHRIS) Palaeontology (fossil) sensitivity map the area is indicated as moderately sensitive (green) and this applies to the Kalahari sands (refer to Figure 10 and Figure 11). The map indicates that the area is of moderate sensitivity and therefore only a desktop study is required.

From the findings of the PIA, there are no UNESCO World Heritage Sites in the vicinity of the proposed THM. The mining area lies on the aeolian sands of the Kalahari Group (Quaternary age). Rocks bearing iron and manganese are below the surface and they do not preserve any fossils. Aeolian sands do not preserve fossils as they are windblown. Rarely the sands will entrap more robust fossils, such as fragments of bones or wood, but these are not in situ. If palaeo-pans or palaeo-springs are in the area they might preserve fossils. No such deposits have been recorded from the proposed THM, most of the area has been disturbed by previous mining operations and the Google Earth satellite imagery does not show any pan or spring deposits. Taking account of the defined criteria, the potential impact to fossil heritage resources is extremely low and therefore the ESR sensitivity for the palaeontological sensitivity theme of “low” is therefore verified.

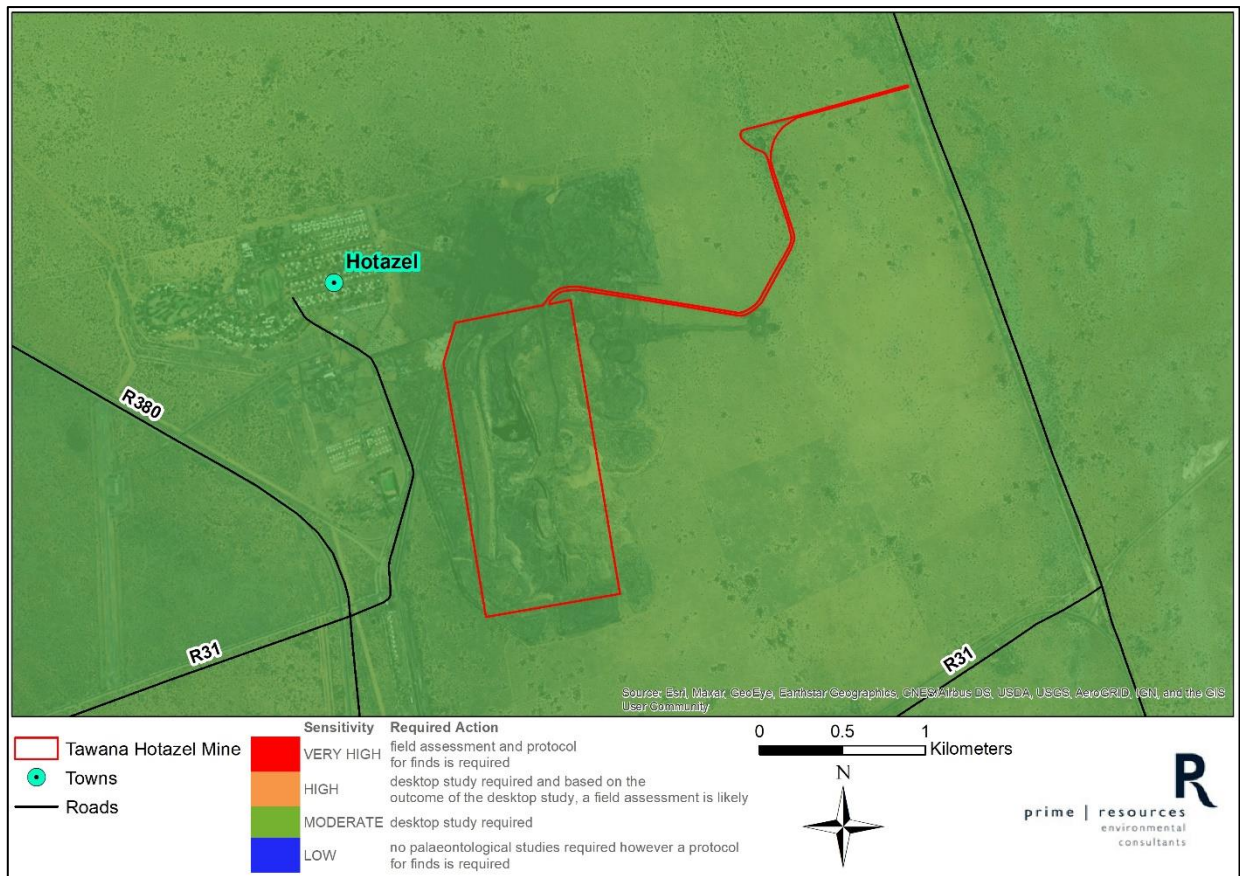


Figure 10: Palaeo-sensitivity map (SAHRIS, 2020)

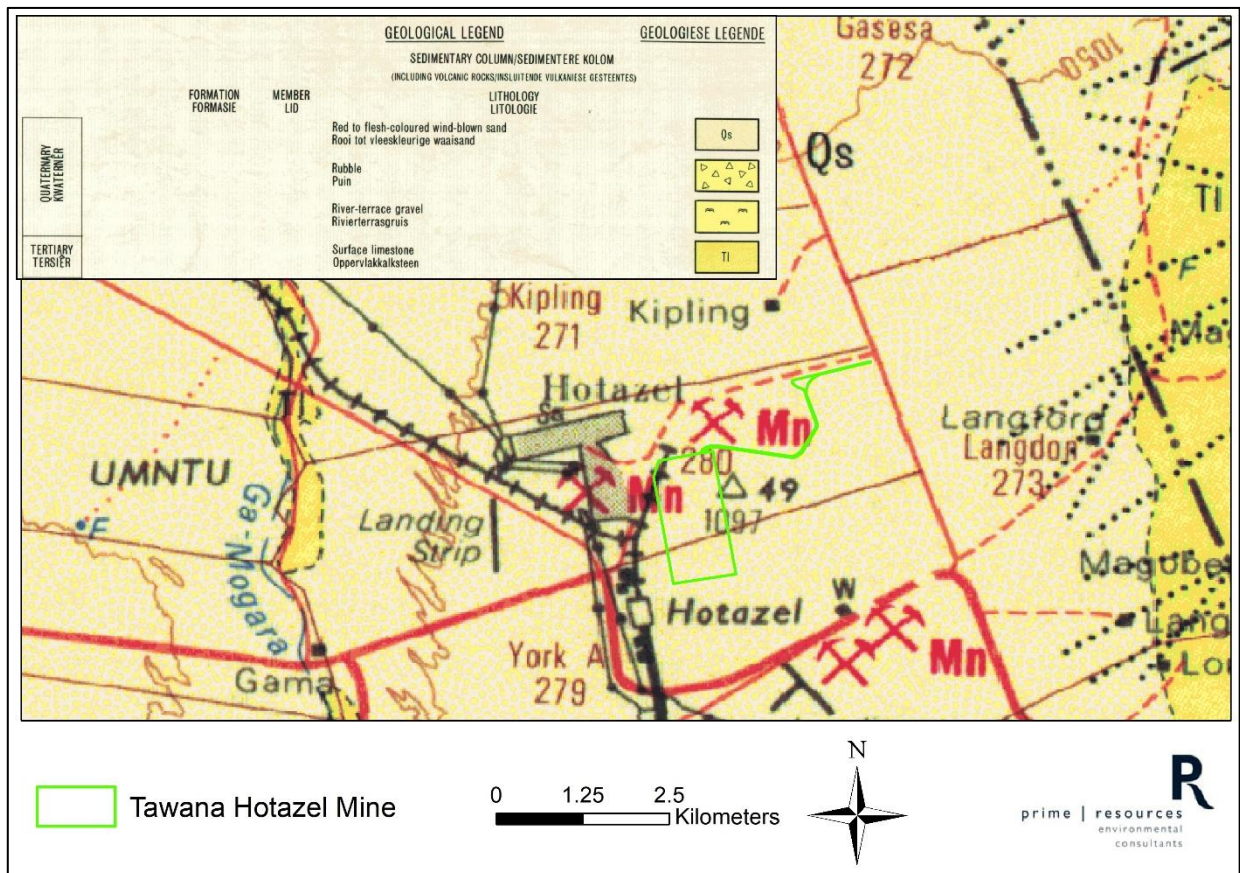


Figure 11: Surface geology underlying the proposed THM

5.5 Terrestrial biodiversity and plant species

The ESR classifies the area as being of low sensitivity for the *Terrestrial Biodiversity*, *Animal Species* and *Plant Species* themes. The SSV for this theme was therefore performed as part of the specialist Terrestrial Biodiversity Assessment undertaken by Field and Form Landscape Science in collaboration with Malachite Ecological Services (November 2021) (refer to Appendix 14 of the EIA/EMPr).

According to the outcomes of the specialist studies undertaken, a limited portion of the study area (along the existing haul roads and access roads), is located within the remaining extent of Kathu Bushveld [Threat Status: Least Concern (LC); Protection Level: Poorly Protected] in terms of the National Biodiversity Assessment (NBA): Terrestrial Remnant Vegetation (2018) (refer to Figure 12). According to the Northern Cape Conservation Plan (C-Plan; 2016) there are Other Natural Areas (ONAs) indicated to remain along existing haul roads within the opencast void and along the access road in the east.

The proposed THM does not fall within a Listed Threatened Ecosystems (2011), Protected and Conservation Areas (PACA; 2020), a National Protected Area Expansion Strategy (NPAES) Focus Areas (2010), an Important Bird and Biodiversity Areas (IBA; 2015) or a Strategic Water Source Areas (SWSA; 2017).

The ESR sensitivity for the *Terrestrial Biodiversity* and *Plant Species* themes of "low" are therefore verified.



Figure 12: Northern Cape National Biodiversity Assessment: Terrestrial Remnant Vegetation (2018) associated with the proposed THM

5.6 Animal species

The ESR classifies the area as being of low sensitivity for the *Animal Species* theme. From the Avifaunal Impact Assessment Report compiled by Feathers Environmental Services (December 2021) (refer to Appendix 15 of the EIAR/EMPr) it was found that, despite anthropogenic impacts, mostly in the form of mining practices that have largely transformed the landscape resulting in a negative impact on avifaunal abundance, potentially sensitive habitat persists within the study area.

In order to describe the avifaunal community present, a rapid field survey was conducted in May 2021 to sample the avifauna in all of the primary habitats available within the proposed THM. During the survey, 35 species that are common to this area, 32 of which have been previously recorded by Southern African Bird Atlas Project 2 (SABAP2) were recorded. The water contained within the open pit and the island in the centre of the water-filled pit have created an ideal breeding habitat for various water dependent species i.e. herons, cormorants, ibis, grebes, moorhens and coots - species that have not been previously recorded by SABAP2 given the absence of water habitats within the broader study area.

Verreaux's Eagle *Aquila verreauxii* is a large, territorial bird of prey with a distribution inextricably linked to mountainous habitat and its main prey of rock hyraxes, a prey base that features prevalently in the study area. Verreaux's Eagle has recently been classified as *Vulnerable* in southern Africa due to a decrease in its range and abundance. Despite the relatively disturbed nature of the proposed development site, the historical open-cast pit has provided suitable nesting platforms and prey base for this species to thrive over the last 11 years. Two nest locations have been observed within the proposed THM. Both the site visit conducted by the vegetation specialist in November 2020 and the more recent rapid field survey conducted as part of this avifaunal assessment in May 2021, confirmed the location of one of the two nests previously observed. The nest at the second location no longer exists. The nest may have been washed away during a heavy rainfall episode in November 2021. Observations of the nest at the first location yielded an inactive nest and no observations of the Verreaux's Eagle. Reports from mine staff and contractors suggest that Verreaux's Eagle still utilise the project area extensively, but they have not observed that eagles on the nest this season (at the time of the May 2021 field survey) . It is important to note that prospecting (i.e. drilling) was underway, within 300 m of the Verreaux's Eagle nest, during the November 2020 and May 2021 surveys. It is likely the disturbance associated with the noise of the drilling equipment and the vehicle and pedestrian traffic at the prospecting site, may have temporarily displaced the eagles from the nest and the immediate area.

The information gathered by the avifaunal specialist from the SSV confirmed the location of one inactive Verreaux's Eagle nest, as well as breeding habitat for a variety of water dependent species. Given the existing disturbance and habitat transformation within the immediate area, the site sensitivity is considered to be a "medium" for *terrestrial animal species* which therefore differs from the ESR designation of "low" *terrestrial animal species* sensitivity.

5.7 Aquatic biodiversity

The ESR classifies the area as being of low sensitivity for the *Aquatic Biodiversity* theme. The SSV for this theme was therefore performed as part of the specialist Aquatic Biodiversity Compliance Statement, compiled by Ecology International (Pty) Ltd (January 2021) (refer to Appendix 16 of the EIAR/EMPr).

The findings of this specialist assessment found that a lack of naturally occurring surface water features within the general study area was found and a detailed aquatic assessment was not warranted. The area associated with the proposed mining activities is confirmed to have a low sensitivity from the perspective of natural surface water features. Further, the lack of natural surface water within the proximity of the proposed project means that the impact of the proposed mining activity on the surrounding natural freshwater ecosystem is likely to be low.

The ESR sensitivity for the *Aquatic Biodiversity* theme of "low" is therefore verified.

5.8 Civil aviation

The ESR indicated that the *Civil Aviation* theme has a "high" sensitivity because the proposed THM is located within 8 km of the Hotazel Airstrip (refer to Figure 13). The SSV for this theme has been undertaken by the EAP utilising desktop analysis, on-site inspection and "other available and relevant information" being the Obstacle Application Process per the Obstacle Inspectorate of the South African Civil Aviation Authority.

The desktop analysis identified several existing structures within the 8 km of the aerodrome reference point which may be considered obstacles restricting the overhead movement of air traffic (including the processing plant, power lines, telecommunication tower, rail loadout facility railway structures). These existing features all have a similar- or higher elevation than any new infrastructure proposed as part of the THM. Furthermore, in accordance with the South African Civil Aviation Technical Standards List of 2011 (Document SA-CATS 139 - Aerodromes and heliports), none of the proposed structures forming part of the proposed THM are expected to exceed 45 m above ground level or 150 m above the mean ground level.

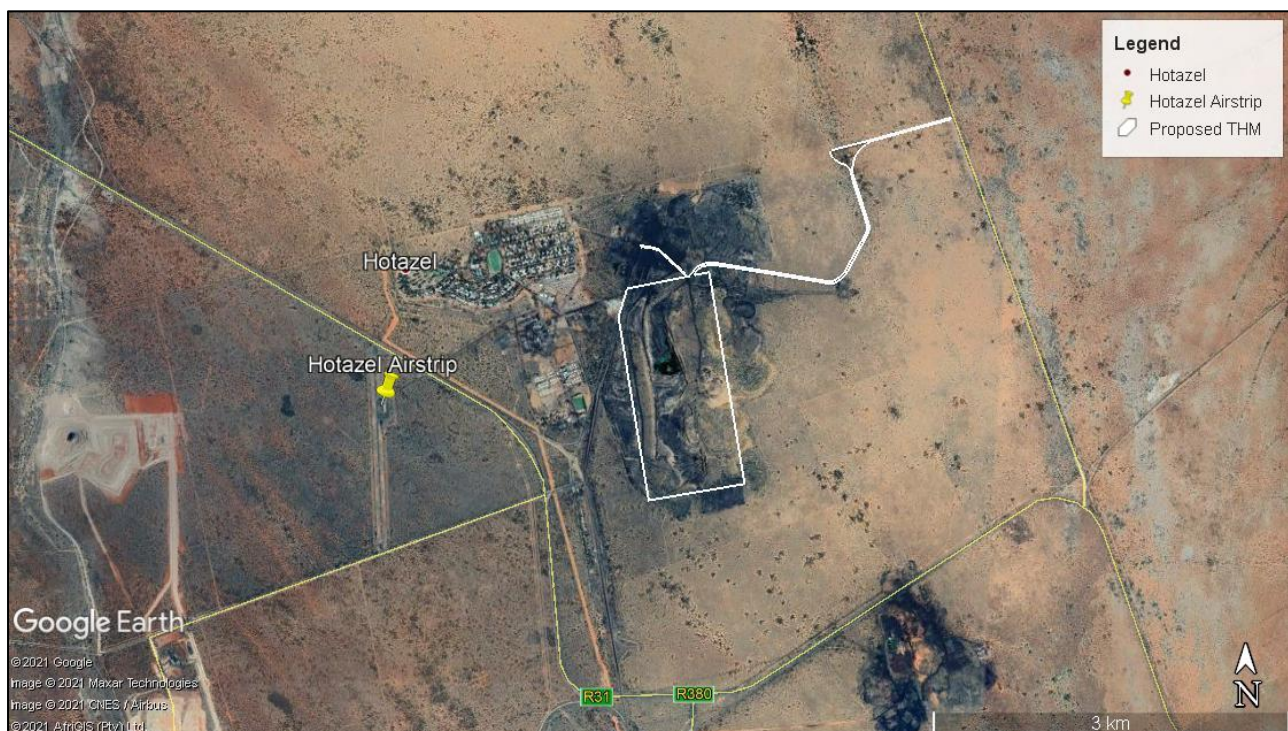


Figure 13: Location of the proposed THM in relation to the Hotazel Airstrip

(Google Earth Imagery dated 12/25/2018)

Despite the perceived low-significance of potential impacts in this regard, the EAP will observe the ESR sensitivity for the *Civil Aviation* sensitivity theme of “high” and will therefore seek comment from the South African Civil Aviation Authority (SACAA).

5.9 Defence

The ESR indicated that the *Defence* Theme has a “low” sensitivity. The EAP conducted this verification as a desktop analysis. The proposed THM is well-located in terms of road infrastructure, being located adjacent to some of the major mobility north-south and east-west roads in the area (R31 and R380).

The N14 is a Class 1 national road under the jurisdiction of SANRAL that cuts across the mining corridor in the Northern Cape linking Upington in the west and ultimately to Gauteng in the east. The R31 is a provincial road that can be classified as a Class R2 Rural Major Arterial linking the towns of Hotazel, Kuruman and Kimberley. The R380 is a provincial road that can also be classified as a Class R2 Rural Major Arterial running north-south and linking Hotazel, Kathu and Postmasburg. Road D3463 is a provincial district road and can be classified as a Class R3 Rural Minor Arterial. Boardman Rd. is a collector-distributor road running in the north-south direction in Hotazel town.

As the road network surrounding the proposed THM are existing and because the THM incorporates the historical HMM it anticipated that there will be no negative impact on any defence installations.

Taking account of the above, the ESR sensitivity for the *Defence* theme of “low” is verified.

6 CONCLUSION

In conclusion the outcomes of the comparative analysis performed for the purposes of verifying the sensitivity of the various environmental themes for the site under application per the ESR as well as the adjusted / verified sensitivity are shown in Table 2 below.

Table 2: Summary of the outcomes of the ESR and the adjusted / verified sensitivity as per the outcomes of the SSV

No	Theme	Predicted sensitivity	Adjusted / verified sensitivity	Verification method	Assessment protocol
1	Agriculture	Medium	Low	<i>Specialist assessment</i>	GN320 Agricultural Compliance Statement
2	Animal Species	Low	Medium		GN1150 Terrestrial Animal Species Specialist Assessment
3	Aquatic Biodiversity		Low		GN320 Aquatic Biodiversity Compliance Statement
4	Archaeology and Cultural Heritage		No protocol (Appendix 6 of GN982) General Assessment		
5	Civil Aviation	High	High	<i>Undertaken by the EAP utilising desktop analysis, on-site inspection and other available and relevant information</i>	NA
6	Defence	Low	Low		
7	Palaeontology	Medium			

No	Theme	Predicted sensitivity	Adjusted / verified sensitivity	Verification method	Assessment protocol
8	Plant Species	Low			GN1150 Terrestrial Plant Species Specialist Assessment
9	Terrestrial Biodiversity				GN320 Terrestrial Biodiversity Specialist Assessment

From the ESR, the following list of specialist assessments were identified for inclusion in the assessment report. Specialist assessments that will not be undertaken are indicated with a strikethrough along with the reason for not including such. In addition to the specialist assessments listed below, a Blasting and Vibrations Impact Assessment and a Geochemistry Impact Assessment were also undertaken.

Table 3: Specialist assessments identified in the ESR and included in the assessment report

Specialist study	Scope	Reason for not including
Agricultural Impact Assessment	Compliance Statement	N/A
Landscape/ Visual Impact Assessment	Baseline and Impact assessment	
Archaeological and Cultural Heritage Impact Assessment	Phase 1 Heritage Impact assessment	
Palaeontology Impact Assessment	Phase 1 PIA (desktop)	
Terrestrial Biodiversity Impact Assessment	Baseline and Impact assessment	
Aquatic Biodiversity Impact Assessment	Compliance Statement	
Hydrology Assessment	Baseline and Impact assessment	
Noise Impact Assessment	Baseline and Impact assessment	
Radioactivity Impact Assessment	Not included	A geochemistry impact assessment was undertaken and the sediments that were analysed indicated that abundances of uranium and thorium were below the detection limit. Comparison with the abundances of uranium, thorium and potassium with that of the average upper crust indicate that these elements are not considered enriched.
Traffic Impact Assessment	Baseline and Impact assessment	N/A
Geotechnical Assessment	Not included – will be done at a later stage	
Climate Impact Assessment	Baseline and Impact assessment	
Health Impact Assessment	Formed part of the Ambient Air Quality Impact Assessment	
Socio-Economic Assessment	Baseline (desktop) and Impact assessment	
Ambient Air Quality Impact Assessment	Baseline and Impact assessment	
Seismicity Assessment	Not included	The proposed THM is an opencast mine and all current plans for the project specifically exclude underground mining. A blasting and vibrations assessment will however be undertaken.
Plant Species Assessment	Baseline and Impact assessment	N/A
Animal Species Assessment	Baseline and Impact assessment	

APPENDIX 5
PROOF OF PRE-APPLICATION WUL
ENQUIRY



8/3/2021 4:34:07 PM Ms Didintle Molelekwa --> Ms Didintle Molelekwa : Pre-Application Water Use Enquiry has been submitted to the department (WU21348)

Dear Ms Didintle Molelekwa (Junior Environmental Officer),

A request for consultation for the following Pre-Application Water Use Enquiry has been submitted to the department :

Tawana Hotazel Mine WULA (WU21348)

Your request for consultation was submitted to :

Name : Ms N. Feni (WUL Manager [Control and Environmental Officer])

e-Mail : fenin2@dws.gov.za

Tel : 0538367661

▷ [Click Here to access the Application](#)

Kind Regards,

e-WULAAS on Behalf of **Department of Water and Sanitation**

Private Bag X313, Pretoria, 0001

Sedibeng Building, 185 Francis Baard Street, Pretoria, 0001

Tel: (012) 336 7500

Fax: (012) 323-4472

Website: www.dws.gov.za

Email: E-WULAASCalls@dws.gov.za

APPENDIX 6.1
PUBLIC PARTICIPATION PLAN



Prime Resources (Pty) Ltd
The Workshop 70–7th Avenue Parktown North 2193
PO Box 2316 Parklands 2121
T +27 11 447 4888 F +27 86 604 2219 E prime@resources.co.za
www.resources.co.za



TAWANA HOTAZEL MINING (PTY) LTD

PUBLIC PARTICIPATION PLAN FOR THE TAWANA HOTAZEL MINING RIGHT APPLICATION

DECEMBER 2021

PREPARED FOR



Tawana Hotazel
Mining

124 Beyers Naude Drive
Roosevelt Park
Johannesburg
2195

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1 INTRODUCTION

The public participation process aims to conduct meaningful consultation with landowners, lawful occupiers, owners and occupiers of adjacent land, municipal councillor of the ward, organisation of ratepayers that represent the community in the area, municipality, organ of state having jurisdiction in respect of any aspect of the activity and other Interested and Affected Parties (IAPs).

1.1 Brief project description

Tawana Hotazel Mining (Pty) Ltd has submitted an application for a Mining Right (MR) to the Department of Mineral Resources and Energy (DMRE) for the proposed Tawana Hotazel Mine (THM), in terms of Section 22 of the Mineral and Petroleum Resources Development Act, 2002 (MPRDA), to mine manganese and associated minerals. The THM covers portions of two farms (Hotazel 280 and York 279) within the Joe Morolong Local Municipality and the Magisterial District of John Taolo Gaetsewe in the Northern Cape Province. The mine is located approximately 1 km south-east of the town of Hotazel.

1.2 Legislative requirements

The Regulations to the MPRDA (Mineral and Petroleum Resources Development Act, No. 28 of 2002), GN527 of 2004 (as amended), ascribe the following definition to "meaningful consultation": the applicant, has in good faith facilitated participation in such a manner that reasonable opportunity was given to provide comment by the landowner, lawful occupier or interested and affected party in respect of the land subject to the application about the impact the prospecting or mining activities would have to his or her right of use of the land by availing all relevant information pertaining to the proposed activities enabling these parties to make an informed decision regarding the impact of the proposed activities.

The MPRDA Regulations further describes the obligation on the part of the applicant to consult meaningfully in terms of a public participation process prescribed in the Environmental Impact Assessment Regulations promulgated in terms of section 24(5) of the National Environmental Management Act, No. 107 of 1998 (NEMA).

This proposed public consultation plan aims to describe the envisioned meaningful consultation process to be undertaken in fulfilment of Tawana Hotazel Mining's obligations for the application submitted for a Mining Right in terms of Section 22 of the MPRDA and to address the prescribed requirements in terms of NEMA and the 2014 EIA Regulations (GN982) (*as amended*).

In order to fulfil the requirements for meaning public consultation in terms of the MPRDA, NEMA and the EIA Regulations, Prime Resources is required to process the personal information (as defined in the Protection of Personal Information Act, No. of 2013) of Interested and Affected Parties and relevant Stakeholders. Such personal information may include full names, addresses, designations and any comments or representations. This data will be captured either through wilful disclosure by IAPs and Stakeholder, or, where necessary, from data published on the internet (for example on Departmental Websites). This data will be retained on the IAP database for the duration of the Environmental Authorisation application process- and, if awarded, the duration of any Environmental Authorisation awarded, after which it will be destroyed. In order to uphold the interests of IAPs and Stakeholders, certain elements of the data processed will be disclosed in the reports produced by the EAP, however, full names and contact information will only be disclosed to the Competent Authority.

1.3 Covid-19 relating to environmental authorisation applications

In terms of the Disaster Management Act (No. 57 of 2002), the Department of Fisheries, Forestry and the Environment issued Directions Regarding Measures to Address, Prevent and Combat the Spread of Covid-19 Relating to National Environmental Management Permits and Licences, GN650 of 2020 (*as amended by GN970 of September 2020*). The purpose of the Directions is to curtail the threat posed by the COVID-19 pandemic and to alleviate, contain and minimise the effects of the national state of disaster, and in particular to provide directions to ensure fair licensing processes and public participation processes.

In terms of permitting services to be provided by issuing authorities in terms of the NEMA and the EIA Regulations, at all times it must be ensured that reasonable opportunity is provided for public participation and that all administrative actions are reasonable. If, in the circumstances of a particular case, reasonable alternative methods to give notice to potential interested and affected parties are available, then the relevant competent authority can be approached for an agreement in this regard.

These directions require that applicants:

- Ensure that all reasonable measures are taken to identify potential IAPs for the purpose of conducting public participation on an application
- Ensure that, as far as reasonably possible, taking into account the specific aspects of the application:
 - Information containing all relevant facts in respect of the application of proposed application is made available to potential IAPs
 - Participation by potential or registered IAPs has been facilitated in such a manner that all potential or registered IAPs are provided with a reasonable opportunity to comment on the application or proposed application

The Directions indicate that, in addition to methods contained in Chapter 6 of the EIA Regulations, or as part of reasonable alternative methods proposed in Regulation 41(2)(e) of the EIA Regulations, applicants may make use of emails, websites Zero Data portals, Cloud based services (or similar platforms), direct phone calls, virtual meetings, newspaper notices, radio advertisements, community representatives and the distribution of notices at places accessible to IAPs.

These directions are considered applicable during the current Alert Level 3.

2 PUBLIC PARTICIPATION PLAN

2.1 Registration of IAPs

An IAP register was opened and representatives from the organs of state which have jurisdiction applicable to the THM were included. Any IAPs who submitted written comments or requested to register pursuant to the project announcement phase (see means described below), were added to the database (the complete IAP register will be included in the Final EIAR/EMPr submitted to the DMRE).

The IAP register will be maintained throughout the authorisation process.

2.2 Written notification and consent

Written notice, as required by NEMA Regulations Section 41(2)(b), will be provided to the following recipients:

- Lawful occupant / landowner on the site over which the application has been submitted.
- Land owners, lawful occupiers and persons in control of land adjacent to the site.
- The municipality and municipal councillor of the ward in which the site is situated.
- Organs of state having jurisdiction in respect of any aspect of the activity.
- Any other parties identified by the Competent Authority as requiring notification.

In terms of Section 41(2)(b) of the NEMA Regulations, with the intention of promoting social distancing, notices will be provided to the above-mentioned parties via email and media notice (see Section 2.3).

The current landowner of the farm portions subject to the MRA was provided with written notification of the project on 30 July 2021.

2.3 Media notice

Media notices (in English) were published in the Noordkaap Bulletin on 5 August 2021 and the Kathu Gazette on 7 August 2021. The media notice was prepared in accordance with Section 41(2)(c) of the NEMA EIA Regulations for the purposes of announcing the project, identifying IAPs and inviting IAPs to register on the database of IAPs, during the Scoping phase of the process. The notice announced the project and indicated that Scoping and Environmental Impact Reporting processes are being undertaken in terms of NEMA, and indicated: the nature and location of the activity to which the application relates, the process to be followed to register as an IAP and otherwise make representations regarding the proposed application, locations where the Scoping Report was available for review, and contact details of the EAP from whom more information can be obtained. The timeframe for the public commenting periods and deadlines for submission of comments was clearly indicated

2.4 Site notices

Site notices were displayed on-site and at conspicuous locations within the surrounding communities during the Scoping phase of the project. The site notice was prepared in accordance with Section 41(3) of the NEMA EIA Regulations and provided a brief project description, that Scoping and Environmental Impact Reporting processes are being undertaken in terms of NEMA (and other applicable legislative requirements), the nature and location of the activity to which the application relates, the process to be followed to register as an IAP and otherwise make representations regarding the proposed application, locations where the Scoping Report was available for review, and contact details of the EAP from whom more information can be obtained. The timeframes for the public commenting periods and deadlines for submission of comments was clearly indicated.

2.5 Background Information Document (BID) and meetings

The BID is a non-technical document which provides a brief description of the project, the nature and location thereof, potential impacts being investigated, the legislated environmental process, availability of the reports for review, the process to follow to register as an IAP, and contact details for queries and to whom representations can be made.

The BID was provided to State Departments and IAPs via email on 10 August 2021, and to surrounding residents in Hotazel by hand on 10 August 2021

Feedback BID

The BID was updated to summarise the questions and comments raised during the Scoping Phase, and to provide feedback on potential impacts and recommended mitigation measures, as per the EIAR / EMPr. The BID was made available to **registered** State Departments and IAPs via email on 10 January 2022, and was provided to any registered IAPs on request.

Any representation or other participation between the EAP and IAPs, stakeholders and representatives from State Departments, will be undertaken, telephonically or via an online platform (Zoom, Google Meet, Microsoft Teams etc). Where digital engagement is not feasible, an attempt will be made to facilitate meetings commensurate with limitations imposed by the applicable Alert Level. A pre-application consultation meeting was held with the DWS on 9 September 2021 as part of the WULA process.

2.6 Provision of reports and documents

The Scoping Report, EIAR/EMPr any other relevant document ("information containing all relevant facts in respect of the application") for review and comment by IAPs, stakeholders and the relevant State Departments was provided digitally, where possible, directly via email or, via an email containing a link to a download platform (on the Prime Resources website: www.resources.co.za) during the respective commenting periods. Where hard copies of any documents are submitted, they will be sanitized. A hard copy of the Scoping Report was placed at the Hotazel Public Library.

2.7 Comments and Responses Report

A Comments and Responses Report will be prepared, containing all comments received and responded to and any other representations made during the respective 30-day commenting periods, and will be provided to the DMRE with the final Scoping and EIAR / EMPr reports. The comments and responses report and IAP database may only be disclosed to the Competent Authority in accordance with the POPI Act.

APPENDIX 6.2
MEDIA NOTICE

NOTIFICATION OF PUBLIC PARTICIPATION PROCESS

The Dept. of Mineral Resources and Energy (DMRE) has accepted an application for a mining right made by Tawana Hotazel Mining (Pty) Ltd (THM) in terms of S22 of the Mineral and Petroleum Resources Development Act, 2002 (MPRDA), to mine manganese and associated minerals over two farms (Hotazel 280 and York 279) located approximately 1 km south-east of the town of Hotazel in the Joe Morolong Local Municipality, Northern Cape Province.

THM is applying for Environmental Authorisation (EA) in terms of S24 of the National Environmental Management (NEM) Act, 1998, the 2014 EIA Regulations (*as amended*) and the NEM: Waste Act, 2008 for proposed mining and associated activities and infrastructure incl. activities: 14, 21F, 24, 27 and 56 of LN1 (GNR983); 6 and 17 of LN2 (GNR984) and 7, 10 and 11 of Category B of GNR921 (list of Waste Management Activities). A Scoping and EIA process will be followed and all documentation will be submitted to the competent authority (DMRE) for approval.

THM is also applying for a Water Use Licence (WUL) from the Dept. of Water and Sanitation in terms of S40 of the National Water Act, 1998 for water uses to be undertaken in terms of S21 incl. mine dewatering, dust suppression, product stockpiling, mine residue handling and disposal and facilities for the separation and handling of clean and dirty water incl. pollution control dams, trenches and berms.

Prime Resources (Pty) Ltd has been appointed as the Environmental Assessment Practitioner in terms of S12 of the NEM Act to facilitate the above processes.

REGISTER AS AN INTERESTED AND AFFECTED PARTY

To register as an Interested and Affected Party (IAP), make representation, or request additional information, SMS or WhatsApp "**Hotazel Mine**" followed by your name and contact information to **076 403 3386** or email prime@resources.co.za. Alternate contact details for the EAP: (F) 086 604 2219 (W) www.resources.co.za

PUBLIC COMMENT INVITED

A Scoping Report (SR) in terms of S21 of the 2014 EIA Regulations has been prepared for review and comment. The SR can be downloaded from <http://primeresourcesza.com/downloads>. The SR will be available for a period of 30-days for review and comment from **10 August 2021 to 9 September 2021**. The SR can also be viewed at the Hotazel Library or provided by email upon request. Please forward comments to Prime Resources by **9 September 2021**.

Disclaimer: In accordance with the POPI Act, No. 4 of 2013, information provided by IAPs will be processed by Prime Resources insofar as is necessary to fulfill the abovementioned legal obligations. For further information, please contact the EAP.

LENINGS

Oorbryggings-kontant vir Pensioen/Pakket afwagendes
Eiendomverkope (Enkel bedrag)
086 110 1388
076 886 7655

EIENDOMME

MOTORHUISE/BERGING

3290

Stoorplek 6 meter X 7 meter in Kuruman te huur teen R2000,00 per maand.
Skakel
083 524 4995.

BETREKINGS

3900

ALGEMEEN

3900

VERLORE DOKUMENTE

photshoanehennej

FORM JJJ
LOST OR DESTROYED DEED

Notice is hereby given in terms of regulation 68(1) of the Deeds Registries Act, 1937, of the intention to apply for the issue of a certified copy of Deed of Transfer T1677/1999 passed by Martha Maria Petronella Thorpe, Identity Number 171124 0016 08, widow, in favour of HESTER CORNELIA COETZEE, Identity Number: 450228 0118 08 5, unmarried, in respect of erf 81 DANIELSKUIL, SITUATED IN THE KGATELOPE MUNICIPALITY, DISTRICT BARKLY WEST, PROVINCE NORTHERN CAPE, which has been lost or destroyed. All interested persons having objection to the issue of such copy are hereby required to lodge the same in writing with the Registrar of Deeds at Kimberley within two weeks from the date of the publication of this notice. Dated at BLOEMFONTEIN this 26th day of JULY 2021. Applicant: Photshoane Henney Attorneys Address: 35 Markgraaf Street, Westdene, Bfn 9300 E-mail address: talita@phinc.co.za Contact number: 051 400 4177

National Courier

Company looking to fill 2 x positions at their newly established Branch in Kuruman.

1. Branch Manager
2. Operations Supervisor

Previous experience in the Courier Industry will be beneficial, must have own reliable transport. Contact: **susan@nwsvservices.co.za** or **060 972 5411** for more information

Vacancy for a Qualified

Turner with minimum 3 years' experience at an established engineering company in Kuruman. Please send you cv with red seal certificate to **alet@bronco.co.za**

REGSKENNINGSWINGS & TENDERS

DRANKLISENSIES

Eldorado Lodge

NOTICE OF INTENTION TO APPLY IN TERMS OF SECTION 20 OF THE ACT FOR A LICENCE [Reg. 4(1)]

Notice is hereby given that it is the intention to lodge the above-mentioned application, particulars of which appear hereunder, with the Northern Cape Liquor Board on the 13th day of August 2021.

- MUNICIPALITY: GASOGONYANA MUNICIPALITY
- APPLICANT
2.1 Full name: EL DORADO LODGE CC
- 2.2 Registration number: 2002/027607/23
- 2.3 Street address: ELDORADO LODGE, CORNER OF HOOF- AND CRAUSE STREET, KURUMAN 8460
- 2.4 Postal address: c/o EMIL SCHEEPERS ATTORNEYS, PO BOX 72478, LYNNWOOD RIDGE 0040
- KIND OF LICENCE APPLIED FOR: GUESTHOUSE LIQUOR LICENCE
- KIND OF LIQUOR TO BE SOLD: ALL KINDS OF LIQUOR
- PROPOSED NAME AND PREMISES: ELDORADO LODGE, ERF 5494, CORNER OF HOOF- AND CRAUSE STREET, KURUMAN
- EXTRA ITEMS/OTHER AUTHORITIES: * SELLING OF OTHER GOODS/ARTICLES * LODGEMENT ON 13 AUGUST 2021

THIS DONE AND SIGNED AT PRETORIA ON THIS THE 27TH DAY OF JULY 2021. (Sgd) E SCHEEPERS
EMIL SCHEEPERS ATTORNEYS FOR APPLICANT
PO Box 72478 LYNNWOOD RIDGE 0040

LOST OR DESTROYED DEED

NOTICE IS HEREBY GIVEN IN TERMS OF REGULATION 68 OF THE DEEDS REGISTRIES ACT, 1937, OF THE INTENTION TO APPLY FOR THE ISSUE OF A CERTIFIED COPY OF DEED OF TRANSFER NUMBER T35453/2016, PASSED BY SIYATHEMBA MUNICIPALITY, in favour of KATRINA KATZ, in respect of certain erf 4130 PRIESKA, SITUATED IN THE SIYATHEMBA MUNICIPALITY, DIVISION PRIESKA, PROVINCE NORTHERN CAPE, which has been lost or destroyed. All interested persons having objection of issue of such copy are hereby required to lodge the same in writing with the Registrar of Deeds at KIMBERLEY within two weeks from the date of the publication of this notice. Dated at KIMBERLEY on this 22nd day of JULY 2021. Duncan & Rothman PO Box 64, Kimberley, 8300 deeds@duncan-rothman.co.za Tel. 053 838 4700 File reference: AQA1/0001/la/cve

VORM JJJ
VERLORE OF VERNIETIGDE TITELBEWYS

Hiermee word kennis gegee dat kragtens die bepaling van regulasie 68 van die Registrasie van Aktes Wet, 1937, dit die voorneme is om aansoek te doen om die uitreiking van 'n gesertifiseerde afskrif van Transportaktes. T739/1993 geparkeer deur DIE MUNISIPALITEIT VAN DIE STAD VAN KIMBERLEY ten gunste van MAUD KEEBLE, Identiteitsnommer 390421 0360 087, ongetroud, ten aansien van sekere Erf 20463 geleë in die Stad en Distrik Kimberley, groot: 332 (driehonderd twee en dertig) vierkante meter, wat verlore gegaak het of vernietig is. Alle belanghebbendes wat teen die uitreiking van sodanige afskrif beswaar het, word hierby versoek om dit skriftelik in te dien by die Registrateur van Aktes op Kimberley, h.v. Knight- en Steadstraat, Kimberley, 8301, Privaatsak X5026, Kimberley, 8300 binne twee weke vanaf datum van publikasie van hierdie kennisgewing. AANSOEKER Boedel wyle Maud Keeble Per adres: ENGELSMAN MAGABANE INC. BLOK E BISHOPS PARK BISHOPSLAAN 9 LABRAM KIMBERLEY, 8301 TEL. 053 832 8134 VERW. MNR VAN DER WALT/rvt/KEE12/0001

LOST OR DESTROYED DEED

NOTICE IS HEREBY GIVEN IN TERMS OF REGULATION 68 OF THE DEEDS REGISTRIES ACT, 1937, OF THE INTENTION TO APPLY FOR THE ISSUE OF A CERTIFIED COPY OF DEED OF TRANSFER NUMBER T739/2011, PASSED BY THE EXECUTRIX IN THE ESTATE OF THE LATE CAREL PETRUS REDELINGHUIS, ESTATE NUMBER 2594/2010, in favour of THE TRUSTEES OF THE LOCOR TRUST, in respect of certain Portion 3 (BLAAUWBANK) of the Farm River Bend Estate Number 288, situated in the District Barkly West, Province Northern Cape, which has been lost or destroyed. All interested persons having objection to the issue of such copy are hereby required to lodge the same in writing with the Registrar of Deeds at Kimberley within two weeks from the date of the publication of this notice. Dated at Kimberley this 30th day of July 2021. Duncan & Rothman PO Box 64, Kimberley, 8300 pam@duncan-rothman.co.za Tel. 053 838 4700 File Ref. WIL3/0025/ICP/PF

PUBLIEKE KENNISGEWING KENNISGEWING VAN AANSOEK OM OMGEWINGSMAGTIGING VIR DIE VOORGESTELDE BATTERY ENEGIE STOOER STELSEL EN GEPAARDEGAANDE INFRASTRUKTUUR BY DIE BESTAANDE CUPRUM SUBSTASIE GELEIE IN PRIESKA, NOORD-KAAP PROVINSIË

Datum van Advertensie: 5 Augustus 2021

Daar word hiermee kennis gegee dat Eskom Holdings SOC Bepker (hierna verwys as 'Eskom') voorstel om 'n aansoek in te dien vir 'n omgewingsmagtiging met behulp van 'n basiese omgewingsassessering en gepaardgaande openbare deelnameproses vir die ontwikkeling van 'n Battery Energy Stoor Stelsel (BESS) en verwante infrastruktuur by die Cuprum substasie in Prieska, Gedeelte 5 en 25 van die Vogelstruis Bult Plaas 104, Siyathemba Plaaslike Munisipaliteit, Noord-Kaap Provinsie.

Die kennisgewing word uitgereik in terme van Hoofstuk 6, Gedeelte 41 van Regulasie 982 van die Omgewingsimpak Studie Regulasies van 2014 (soos gewysig). Hierdie regulasies val onder die omvang van die Nasionale Omgewingsbestuurswet van 1998 (Wet No. 107 van 1998), soos gewysig.

Eskom se doel met die voorgestelde BESS installasies deur die land, is om:

- * Elektrisiteits Distribusie Netwerk te versterk, asook verder die spanning en kapasiteits beperkings aan te spreek;
- * 'n Groter hoeveelheid hernubare energie in die elektrisiteits netwerk te integreer; en
- * Die verreiste vir investering in nuwe konvensionele opwekkingskapasiteit (dit wil sê gas, kern, steenkool) te verminder, asook nuwe Distribusiestasies en kraglyne om netwerke te versterk.

As gevolg hiervan stel Eskom voor om 'n BESS en gepaardgaande infrastruktuur te ontwikkel by die bestaande Cuprum-substasie in Prieska, Noord-Kaap Provinsie. Alhoewel die bestaande Eskom-netwerk in die Prieska-omgewing nie tans beperk is nie, sal die voorgestelde BESS energieondersteuning bied aan bykomende dienste binne die gebied.

Die voorgestelde ontwikkeling behels gelysde aktiwiteite in terme van die Nasionale Omgewingsbestuurswet en Omgewingsimpak Studie Regulasies van 2014 (Reguleringskennisgewing Regulasie 983) en benodig dus 'n basiese omgewingsassessering en gepaardgaande openbare deelnameproses gevolg word as deel van die aansoek vir 'n omgewingsmagtiging.

REGISTRASIE VAN BELANGHEBBENDE EN PUBLIEKE DEELNAME PROSES VIR DIE KONSEP BASIESE OMGEWINGSASSESSERING:

Die konsep Basiese Omgewingsassesserings Verslag sal beskikbaar gestel word vir 'n 30-dae publieke deelname proses ingevolge die veristes van Hoofstuk 2, Gedeelte 3(8) van die Omgewingsimpak Studie Regulasies van 2014 (soos gewysig). Alle belanghebbendes word dus hiermee uitgenooi om te registreer op die projek databasis, met behulp van die kontak besonderhede verskaf hieronder. U sal dan op hoogte gehou word van enige verdere projekdaterings en geleentehede vir betrokkenheid by die projek.

Neem asseblief kennis dat die publieke deelname en kommentaar periode op die konsep Basiese Omgewingsassesserings Verslag vanaf **6 Augustus 2021 tot en met 6 September 2021** (in gesluit) sal wees. As gevolg van die COVID-19-voorskrifte wat deur die Departement van Bosbou, Visserye en die Omgewing (DFFE) gegee is, kan harde kopie verslae nie in openbare plekke geplaas word nie. Daarom, gebruik dus die webwerf skakel verskaf hieronder om elektroniese toegang tot die verslag te kry.

Webwerf Skakel	Kommentaar Periode
https://aecom.com/eskom_prieska_bess	6 Augustus 2021 – 6 September 2021

Laat weet graag as U enige hulp benodig om elektroniese toegang tot die verslag te kry. Verder, stuur asseblief alle kommentaar deur na die AECOM kontak persoon by die kontak besonderhede verskaf hieronder.

ORGANISASIES BETROKKE	
Aansoeker	Eskom Holdings SOC Limited
Onafhanklike Omgewingspraktisyn	Elisabeth Nortje vanaf AECOM SA (Edms) Bpk
Bevoegde Owerheid vir Omgewingsmagtiging	Nasionale Departement van Bosbou, Visserye en die Omgewing

Stuur graag alle vrae en kommentaar deur na Dalian Govender by AECOM:
Selfoon: (+27) 595 1489
Pos: Posbus 3173, Pretoria, 0001
E-pos: dalian.govender@aecom.com

AECOM Imagine it. Delivered.

NOTIFICATION OF PUBLIC PARTICIPATION PROCESS

The Dept. of Mineral Resources and Energy (DMRE) has accepted an application for a mining right made by Tawana Hotazel Mining (Pty) Ltd (THM) in terms of S22 of the Mineral and Petroleum Resources Development Act, 2002 (MPRDA), to mine manganese and associated minerals over two farms (Hotazel 280 and York 279) located approximately 1 km south-east of the town of Hotazel in the Joe Morolong Local Municipality, Northern Cape Province.

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Prime Resources (Pty) Ltd has been appointed as the Environmental Assessment Practitioner in terms of S12 of the NEM Act to facilitate the above processes.

REGISTER AS AN INTERESTED AND AFFECTED PARTY

To register as an Interested and Affected Party (IAP), make representation, or request additional information, SMS or WhatsApp "Hotazel Mine" followed by your name and contact information to **076 403 3386** or email prime@resources.co.za. Alternate contact details for the EAP: (F) 086 604 2219 (W) www.resources.co.za

PUBLIC COMMENT INVITED

A Scoping Report (SR) in terms of S21 of the 2014 EIA Regulations has been prepared for review and comment. The SR can be downloaded from <http://primeresourcesesza.com/downloads>. The SR will be available for a period of 30-days for review and comment from **10 August 2021 to 9 September 2021**.

The SR can also be viewed at the Hotazel Library or provided by email upon request. Please forward comments to Prime Resources by **9 September 2021**.

Disclaimer: In accordance with the POPI Act, No. 4 of 2013, information provided by IAPs will be processed by Prime Resources insofar as is necessary to fulfill the abovementioned legal obligations. For further information, please contact the EAP

BASIC ASSESSMENT (BA) PROCESS FOR THE PROPOSED DEVELOPMENT OF A BATTERY ENERGY STORAGE SYSTEM (BESS) AND ASSOCIATED INFRASTRUCTURE AT THE CUPRUM SUBSTATION LOCATED WITHIN COPPERTON, NEAR THE TOWN OF PRIESKA, NORTHERN CAPE PROVINCE

Date of Advertensie: 5 August 2021

Notice is hereby given that Eskom Holdings SOC Limited (Eskom) proposes to undertake Basic Assessment (BA) process for the proposed development of a Battery Energy Storage System (BESS) and associated infrastructure at the Cuprum Substation located within Copperton, near the town of Prieska, Northern Cape Province.

This notice is issued in terms of Chapter 6, Section 41 of Government Notice Regulation (GNR) 982 of the Environmental Impact Assessment (EIA) Regulations (2014), as amended. These regulations fall under the ambit of the National Environmental Management Act (No. 107 of 1998), as amended (NEMA).

The development involves the installation and establishment of a BESS and associated infrastructure to accommodate the storage of energy. The project activities will include the following:

- * Re-alignment of the Cuprum/Karoo 66kV and Cuprum/Kronos 11kV overhead lines along the peripheries of the Eskom property boundary to make provision for the BESS and substation expansion;
- * Extension of the Cuprum Substation's fence around the substation to include the BESS area;
- * Extension of the Cuprum Substation's 132kV busbar to make provision for the new transformer which will extend the substation on the south-western side;
- * Placement of the BESS control room in an existing building located within the Cuprum substation;
- * Establishment of the BESS containers on a cleared area and connection to Eskom grid infrastructure;
- * Extension of the existing road by 180m which will connect to the runway inside the Cuprum substation; and
- * Rerouting of a 170m water pipeline with a diameter of 32mm.

The project will be located at the existing Cuprum substation (29°57'33.14"S 20° 22'18.126"E) on Vogelstruis Bult Farm 104 Portion 5 and Vogelstruis Bult Farm 104 Portion 25.

In terms of Sections 24(2) and 24D of NEMA, as amended, and as read with the EIA regulations (2014), as amended, a BA process is required for the proposed development. The proposed activities will trigger GNR 983 (Listing Notice 1 of the EIA regulations (2014), as amended. Additional project specifications will be included in the BA Report.

REGISTRATION OF INTERESTED AND AFFECTED PARTIES (I&AP) AND PUBLIC REVIEW OF THE DRAFT BASIC ASSESSMENT REPORT:

The Draft BA Report and associated Environmental Management Programme (EMPr) will be made available for public review for a period of 30 days as required in terms of Chapter 2, Section 3(8) of the EIA Regulations of 2014, (as amended). The public review and commenting period commences from **6 August 2021 to 6 September 2021**. Due to COVID-19 directives given by the Department of Forestry, Fisheries and the Environment (DFFE), hard copy reports cannot be placed at public venues. Therefore, in order to access the report please visit the following website link :

Website Link	Validity Period
https://aecom.com/eskom_prieska_bess	6 August 2021 – 6 September 2021

Should you require assistance in downloading the document, or require a hard copy, kindly contact AECOM at the contact details below. Please submit your name, contact information, interest in the project and any comments you may have, to the contact person indicated below before or on the **6 September 2021**. This will ensure that you are registered as an I&AP and will receive future correspondence regarding the BA process for the proposed project.

ORGANISATIONS INVOLVED	
Applicant	Eskom Holdings SOC Limited
Independent Environmental Assessment Practitioner (EAP)	Elisabeth Nortje from AECOM SA (Pty) Ltd
Environmental Authorisation Competent Authority	Department of Forestry, Fisheries and the Environment

Please direct enquiries or comments to Dalian Govender at AECOM:
• Tel: (+27) 76 595 1489 • Post: P O Box 3173, Pretoria, 0001
• E-mail: dalian.govender@aecom.com

AECOM Imagine it. Delivered.



Pêrels vir oordenking

Jesus gee rus

Martjie Gerber

Matt 11:28, 29 NV "Kom na My toe, almal wat uitgeput en oorlaai is, en Ek sal julle rus gee.

Neem My juk op julle en leer van My". Vandag leef ons as vroue ook 'n gejaagde lewe wat tot voortdurende spanning lei en veroorsaak dat ons gedurig moeg voel. Soms moet ons onself die vraag afvra en eerlik besin oor wat ons vermoeidheid en laste veroorsaak. Dit is moontlik fisieke uitputting omdat ons net te veel het om te doen. Skuldgevoelens, kwelling oor kinders, toestande in ons land en wêreld en

vrees vir die toekoms, maak ons emosioneel uitgeput. Die Here Jesus het ons innig lief en wil vir ons as vroue 'n lewe van rus gee. Hy stel belang in al die fasette van ons lewe. Om na Jesus te gaan, beteken om die plek waar jy jou bevind te verlaat, die plek van bekommernis, vrees, spanning en hartseer in ons gemoed. Ons moet erken dat ons 'n behoefte het aan die rus wat net Jesus ons kan gee. Jesus gee ons die versekering dat ons rus by Hom sal vind wanneer ons na Hom toe gaan. Dit is 'n rus vir gees, siel en liggaam.

POSTMASBURG



Lief & Leed

Mimi Swart

SIK / HOSPITAAL: Mev Marla van Heerden van De Bruynstraat is oorlede, sy sou op 19 Augustus 2021 83 jaar geword het.

Haar man, Kassie/Eddie was verlede week in Kimberley in die hospitaal. Sy het al 'n geruime tyd las van verskeie gesondheidsprobleme, maar is aan hartversaking oorlede. Sy laat haar man, Eddie (ook bekend as Kassie) en twee getroude seuns agter. Winnie woon in Postmasburg en Schalk in Upington. Sy laat ook vier kleinkinders en sewe agterkleinkinders agter. 'n Roudiens word Vrydag 6 Augustus 2021 om 11:00 in die NG Kerk op Postmasburg gehou. Ons innige meegevoel aan die familie. Mag Hyself u trooster wees.

Mev Elize Kotze is in die plaaslike hospitaal waar sy behandeling ontvang teen Covid-19. Hulle een seun, Gielie, is ook positief getoets en die res van die gesin is nog afwagting vir hul uitslae.

Ds Ruan en mev Doret du Plooy van die NG Kerk is ook tuis onder behandeling vir Covid-19.

Ons bedede is dat u almal Sy bystand en genesende krag sal ontvang in die tye van onsekerheid en afhanklikheid. Sterkte toegebied.

Mnr Marthinus Calitz is die vierde lid van die Calitz-familie wat oorlede is aan Covid-19.

Spreuke vir die week

Dit is nie nodig om twee keer dieselfde fout te begaan nie, terwyl daar so 'n ruim voorraad vares is om van te kies. (Anoniem)

Pasop vir die man wat sy oë half toe hou. Dis nie dat hy nie wil uitkyk nie, dis om te keer dat jy nie inkyk nie. (C J Langenhoven)



Mnr Marthinus Calitz oorlede aan Covid-19.



Mev Marla van Heerden is oorlede.

VAKANTE BETREKING

1 x Diesel Mechanic

Vereistes:
10 jaar ondervinding op geel masjiene
Rooiseël
Omgewing: Postmasburg-area

Stuur CVs na
lenfieldadvert@outlook.com

OP SOEK NA

ROOISEËL DIESEL MECHANIC

- Jare ondervinding: 10 - 15 jaar
- Werkgewer: Mynbou-kontrakteur
- Plek: Tussen Kathu en Postmasburg
- Eie voertuig nie nodig nie
- Lisensie: Kode 8-lisensie
- Salaris: Markverwante salaris

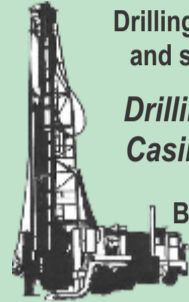
Vir meer inligting, kontak 079 883 8441

GPJ Drilling

Drilling for water in Kathu and surrounding areas

Drilling R350 per metre
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- HR

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NOTIFICATION OF PUBLIC PARTICIPATION PROCESS

The Dept of Mineral Resources and Energy (DMRE) has accepted an application for a mining right made by Tawana Hotazel Mining (Pty) Ltd (THM) in terms of S22 of the Mineral and Petroleum Resources Development Act, 2002 (MPRDA), to mine manganese and associated minerals over two farms (Hotazel 280 and York 279) located approximately 1 km south-east of the town of Hotazel in the Joe Morolong Local Municipality, Northern Cape Province.

THM is applying for Environmental Authorisation (EA) in terms of S24 of the National Environmental Management (NEM) Act, 1998, the 2014 EIA Regulations (as amended) and the NEM: Waste Act, 2008 for proposed mining and associated activities and infrastructure incl. activities: 14, 21F, 24, 27 and 56 of LN1 (GNR983); 6 and 17 of LN2 (GNR984) and 7, 10 and 11 of Category B of GNR921 (list of Waste Management Activities). A Scoping and EIA process will be followed and all documentation will be submitted to the competent authority (DMRE) for approval.

THM is also applying for a Water Use Licence (WUL) from the Dept of Water and Sanitation in terms of S40 of the National Water Act, 1998 for water uses to be undertaken in terms of S21 incl mine dewatering, dust suppression, product stockpiling, mine residue handling and disposal and facilities for the separation and handling of clean and dirty water incl pollution control dams, trenches and berms.

Prime Resources (Pty) Ltd has been appointed as the Environmental Assessment Practitioner in terms of S12 of the NEM Act to facilitate the above processes.

REGISTER AS AN INTERESTED OR AFFECTED PARTY (IAP)

To register as an Interested and Affected Party (IAP), make representation, or request additional information, SMS or WhatsApp "Hotazel Mine" followed by your name and contact information to 076 403 3386 or email prime@resources.co.za. Alternate contact details for the EAP: (F) 086 604 2219 (W) www.resources.co.za

PUBLIC COMMENT INVITED

A Scoping Report (SR) in terms of S21 of the 2014 EIA Regulations has been prepared for review and comment. The SR can be downloaded from <http://primeresourcesza.com/downloads>. The SR will be available for a period of 30 days for review and comment from 10 August 2021 to 9 September 2021. The SR can also be viewed at the Hotazel Library or provided by e-mail upon request. Please forward comments to Prime Resources by 9 September 2021.

Disclaimer: In accordance with the POPI Act, No. 4 of 2013, information provided by IAPs will be processed by Prime Resources insofar as is necessary to fulfill the above-mentioned legal obligations. For further information, please contact the EAP.

GAMAGARA MUNICIPALITY/ MUNISIPALITEIT

KENNISGEWING NO: 2021/31

VOORGESTELDE HERSONERING EN AFWYKING VAN DIE VOORSIENING VAN DIE SKEMA VIR ERF 7495, HANS COETZEELAAN 8, KATHU

KENNIS geskied hiermee dat die GAMAGARA Munisipaliteit 'n aansoek ingevolge artikel 3 ontvang (2) van die Gamagara Ruimtelike Beplanning en Grondgebruiksbeheer Bestuur, Verordening (2016) saamgelees met die Wet op Ruimtelike Beplanning en Grondgebruikbestuur (16/2013) vir die volgende:

Eiendom: Erf 7495, Kathu

Ligging: Die eiendom is geleë by Hans Coetzeelaan 8, Kathu, Noord-Kaap Provinsie

Eienaar: Mnr Walid Fouad Mokhtar Shendy & Mev Eristene Jacobia Shendy

Aansoeker: Me NP Selao

Sonering: Residensiële Sone I

Aard van aansoek:

- Hersonering van 88m² segment van Erf 7495 Kathu van Residensiële Sone I na Sakesone I.
- Permanente afwyking van die boulynevereistes van Sakesone I soos volg:
 - Straatboulyn: 4,5m tot 0m
 - Syboulyn: 1,5m tot 0m

Voorname: Die bedoeling is om die geboude winkel op 'n gedeelte van 88m² van Erf 7495 Kathu te huisves.

Volledige besonderhede ten opsigte van hierdie aansoek kan verkry word gedurende normale kantoorure van mev Ntsieleni Nkhanedzeni, Direkoraat Strategiese Dienste, Grondvloer, Burgersentrum, Kathu, telefoonnommer 053 723 6000. Besware, indien enige teen hierdie aansoek, moet ingedien word en gemaak word skriftelik met volledige redes aan: Die Munisipale Bestuurder, Gamagara Plaaslike Munisipaliteit, Posbus 1001, Kathu, 8446 om bostaande voor of op **MAANDAG, 06 SEPTEMBER 2021** te bereik.

Enige persoon wat nie kan lees of skryf nie, kan aan die Stadsbeplanningsafdeling rapporteer (Dienste Direkoraat) van die Munisipaliteit (H.v. Hendrik van Eck & Frikkie Meyer) gedurende normale kantoorure voor die sluitingsdatum waar sodanige persoon se besware op skrif gestel sal word.

NOTICE NO:2021/31

PROPOSED REZONING AND DEPARTURE FROM THE PROVISION OF THE SCHEME FOR ERF 7495, 8 HANS COETZEE AVENUE, KATHU

NOTICE is hereby given that the GAMAGARA Municipality has received an application in terms of section 3(2) of the Gamagara Spatial Planning and Land Use Management By-law (2016) read with the Spatial Planning and Land Use Management Act (16/2013) for the following:

Property: Erf 7495, Kathu

Location: The property is located at 8 Hans Coetzee Avenue, Kathu, Northern Cape Province

Owner: Mr Walid Fouad Mokhtar Shendy & Mrs Eristene Jacobia Shendy

Applicant: Ms NP Selao

Zoning: Residential Zone I

Nature of the application:

- Rezoning 88m² segment of Erf 7495 Kathu from Residential Zone I to Business Zone I.
- Permanent departure from the building line requirements of Business Zone I as following:
 - Street Building Line: 4,5m to 0m
 - Side building line: 1,5m to 0m

Intent: The intension is to accommodate the as-built shop on a segment of 88m² of Erf 7495 Kathu.

Full particulars regarding this application can be obtained during normal office hours from Ms. Ntsieleni Nkhanedzeni, Strategic Services Directorate, Ground Floor, Civic Offices, Kathu, telephone details 053 723 6000. Objections, if any, against this application must be lodged with and made in writing with full reasons to: The Municipal Manager, Gamagara Local Municipality, P.O Box 1001, Kathu, 8446 to reach the above on or before **MONDAY, 06 SEPTEMBER 2021**.

Any person who cannot read or write may report to Town Planning Section (Strategic Services Directorate) of the Municipality (Cnr. of Hendrik van Eck & Frikkie Meyer) during normal office hours before the closing date where such a person's objections will be put in writing.

MR K LESERWANE

MUNISIPALE BESTUURDER/MUNICIPAL MANAGER

Burgersentrum/Civic Centre, Posbus/PO Box 1001, Kathu, 8446

06 August 2021

APPENDIX 6.3
SITE NOTICE

NOTIFICATION OF PUBLIC PARTICIPATION PROCESS

FOR THE PROPOSED TAWANA HOTAZEL MINE

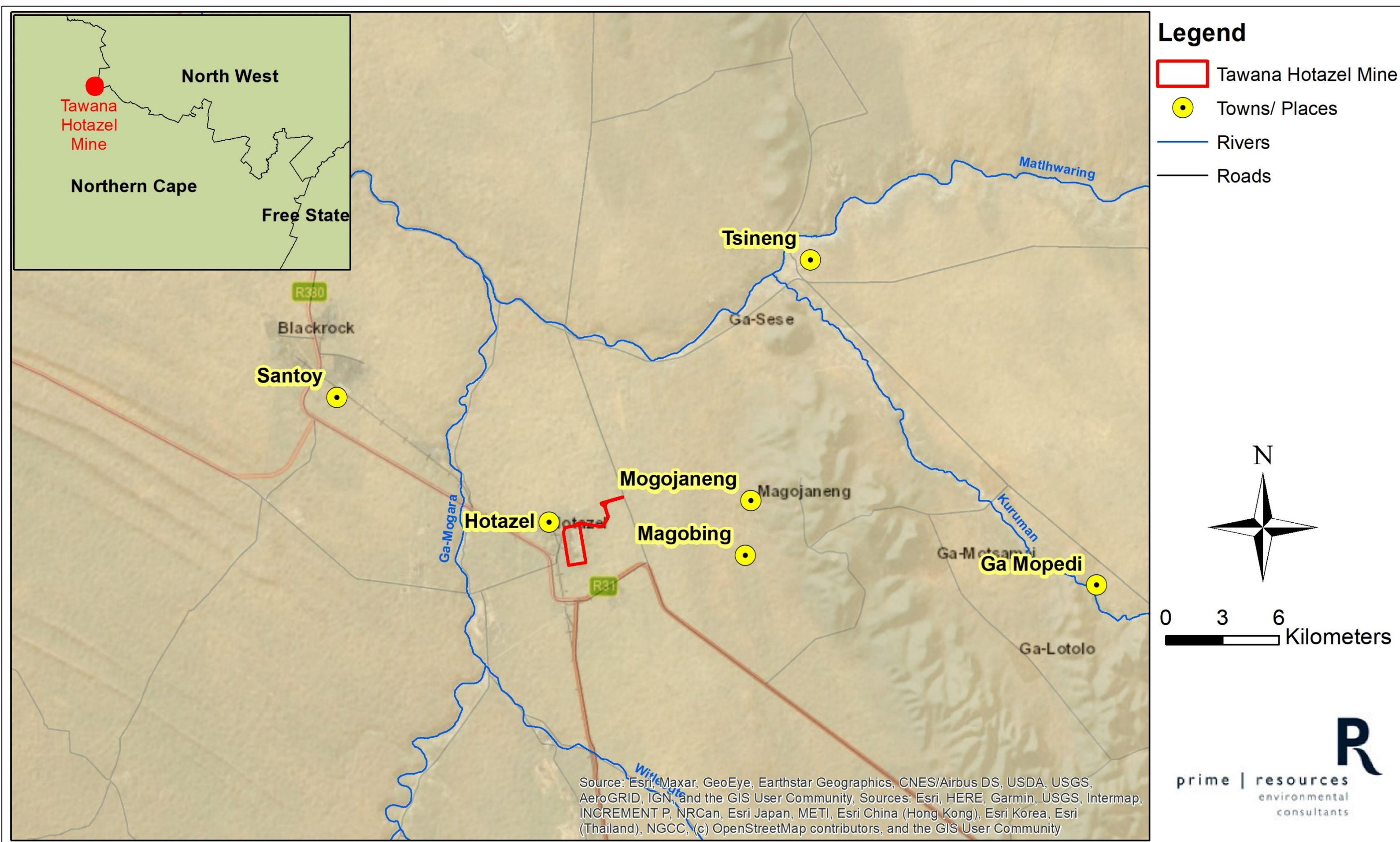
JOE MOROLONG LOCAL MUNICIPALITY, NORTHERN CAPE

The Dept. of Mineral Resources and Energy (DMRE) has accepted an application for a mining right made by Tawana Hotazel Mining (Pty) Ltd (THM) in terms of S22 of the Mineral and Petroleum Resources Development Act, 2002 (MPRDA), to mine manganese and associated minerals over two farms (Hotazel 280 and York 279) located approximately 1 km south-east of the town of Hotazel.

THM is applying for Environmental Authorisation (EA) in terms of S24 of the National Environmental Management (NEM) Act, 1998, the 2014 EIA Regulations (*as amended*) and the NEM: Waste Act, 2008 for proposed mining and associated activities and infrastructure incl. activities: 14, 21F, 24, 27 and 56 of LN1 (GNR983); 6 and 17 of LN2 (GNR984) and 7, 10 and 11 of Category B of GNR921 (list of Waste Management Activities). A Scoping and EIA process will be followed and all documentation will be submitted to the competent authority (DMRE) for approval.

THM is also applying for a Water Use Licence (WUL) from the Dept. of Water and Sanitation in terms of S40 of the National Water Act, 1998 for water uses to be undertaken in terms of S21 incl. mine dewatering, dust suppression, product stockpiling, mine residue handling and disposal and facilities for the separation and handling of clean and dirty water incl. pollution control dams, trenches and berms.

Prime Resources (Pty) Ltd has been appointed as the Environmental Assessment Practitioner in terms of S12 of the NEM Act to facilitate the above processes.



REGISTER AS AN INTERESTED AND AFFECTED PARTY (IAP) OPPORTUNITY TO PARTICIPATE

To register as an IAP, make representation, or request additional information, SMS or WhatsApp "**Hotazel Mine**" followed by your name and contact information to **076 403 3386** or email prime@resources.co.za. Alternate contact details for the EAP: (F) 086 604 2219 (W) www.resources.co.za

Disclaimer: In accordance with the POPI Act, No. 4 of 2013, information provided by IAPs will be processed by Prime Resources insofar as is necessary to fulfill the abovementioned legal obligations. For further information, please contact the EAP.

A Scoping Report (SR) in terms of S21 of the 2014 EIA Regulations has been prepared for review and comment. The SR can be downloaded from www.resources.co.za. The SR is available for a period of 30-days for review and comment: from **10 August 2021 to 9 September 2021**. The Scoping Report can also be viewed at the Hotazel Library or provided by email upon request. Please forward comments to Prime Resources by **9 September 2021**.



Prime Resources (Pty) Ltd
The Workshop 70–7th Avenue Parktown North 2193
PO Box 2316 Parklands 2121
T +27 11 447 4888 F +27 86 604 2219 E prime@resources.co.za
www.resources.co.za



TAWANA HOTAZEL MINING (PTY) LTD

SCOPING PHASE PUBLIC PARTICIPATION: SITE NOTICE LOCATIONS, BID DROP AND PHOTOGRAPHS

AUGUST 2021

PREPARED FOR



Tawana Hotazel
Mining

124 Beyers Naude Drive
Roosevelt Park
Johannesburg
2195

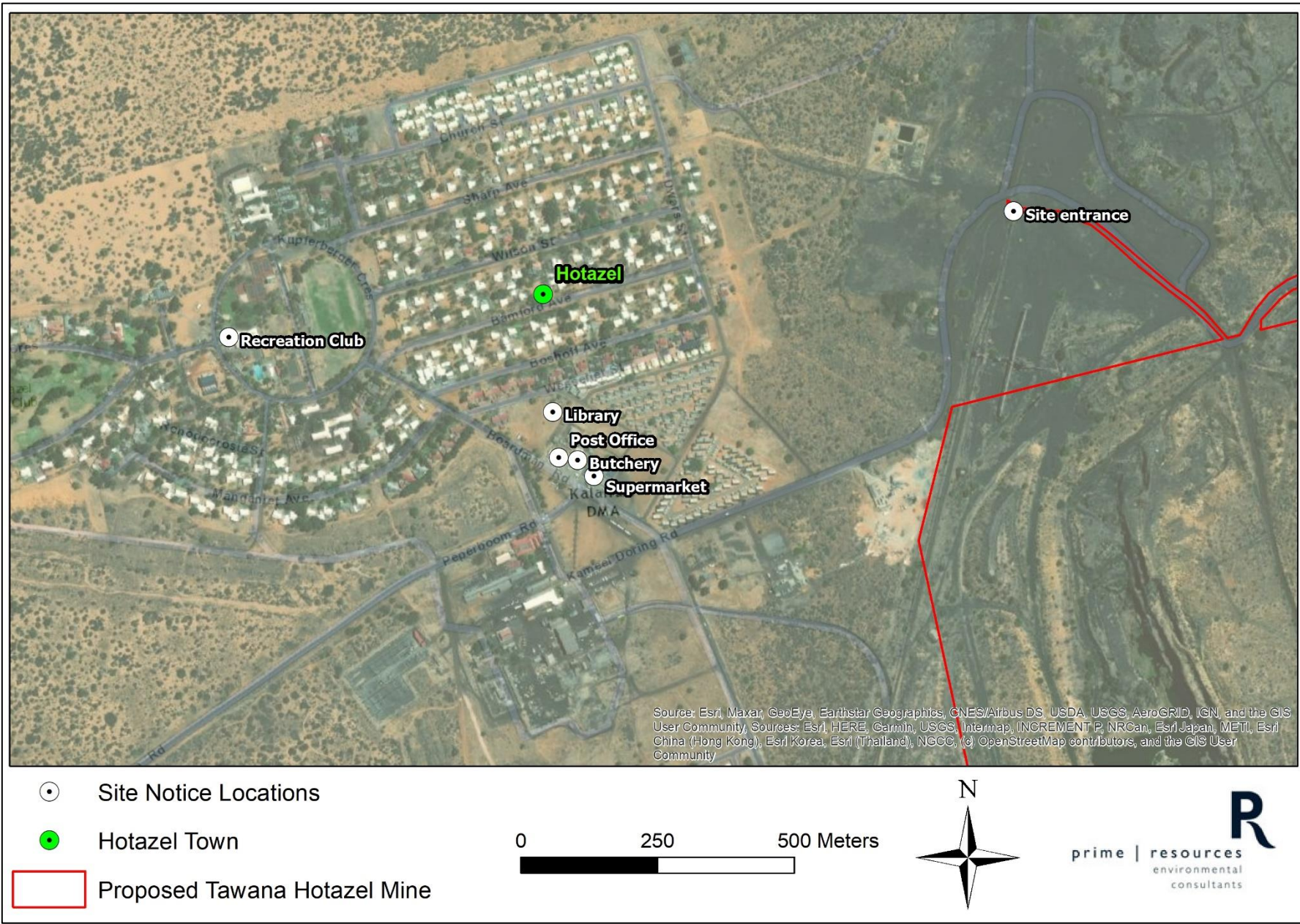


Figure 1: Site notice locations



Photo 1: Site Notice at site entrance

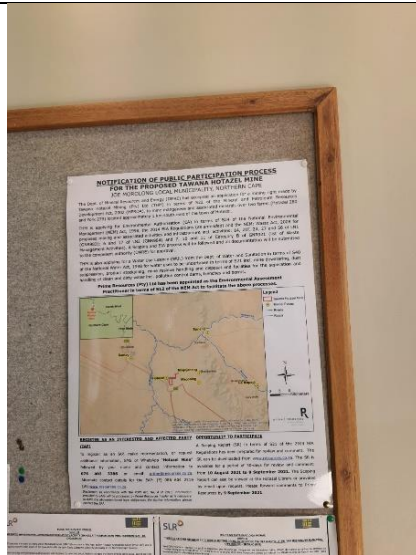


Photo 2: Site Notice at site library

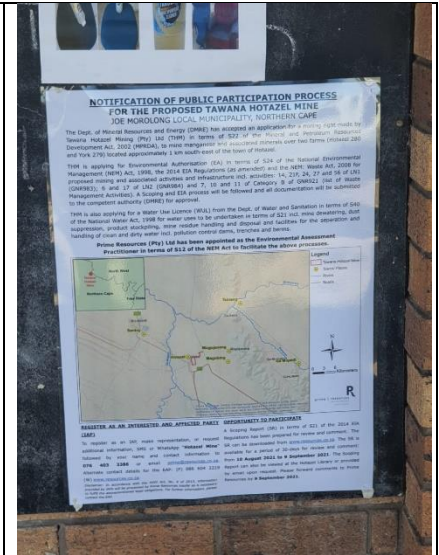


Photo 3: Site Notice at butchery

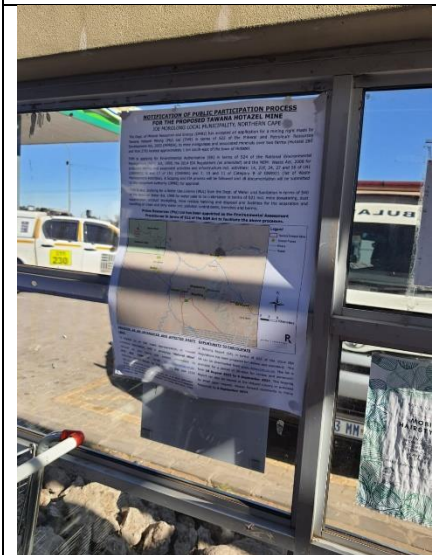


Photo 4: Site Notice at supermarket



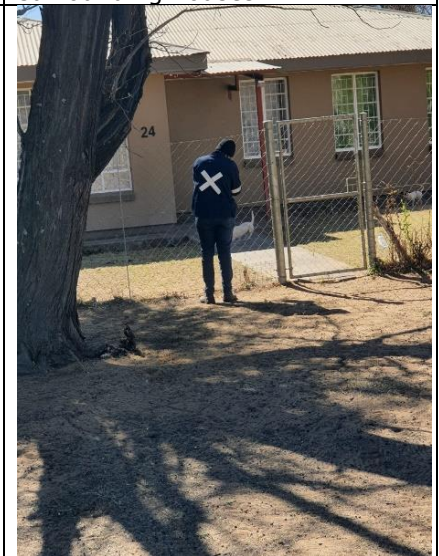
Photo 5: Site Notice at Post Office



Photo 6: BID drop at surrounding houses



Photo 7 - 9: BID drop at surrounding houses



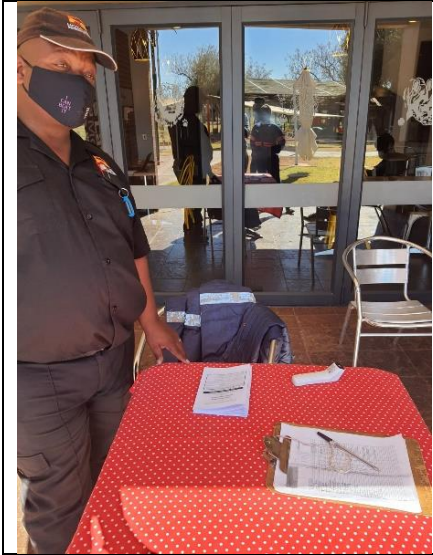


Photo 10: BIDs in Hotazel community



Photo 11: BIDs in Hotazel community

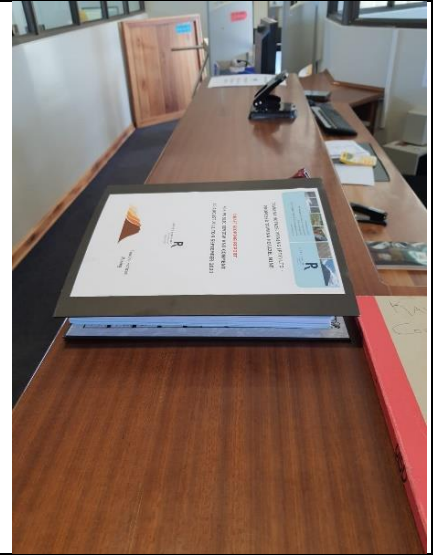


Photo 12: Draft Scoping Report at Hotazel Library

APPENDIX 6.4
SCOPING PHASE BID

Environmental Authorisation process
for the

Tawana Hotazel Mine
Northern Cape Province

Proposed by

Tawana Hotazel Mining (Pty) Ltd

Scoping Phase Public Participation

10 August 2021 to 9 September 2021

This document summarises the information currently available. Additional information will be included in the Environmental Impact Assessment (EIA) Phase Information Booklet, which is anticipated to be made available in **January / February 2022**.

The Draft Scoping Report is currently available for public review and comment.

A printed copy of the Scoping Report can be viewed at the Hotazel Public Library if the facility is open to the public (depending on the prevailing Covid-19 lockdown Alert Level and the Covid-19 protocols implemented at the proposed location). A copy can also be requested via email or can be downloaded from the Prime Resources website (www.resources.co.za).

You are invited to review the Scoping Report and/or this Background Information Booklet.

Please submit comments by 9 September 2021.

All comments submitted will be included into the final documentation to be sent to the Department of Mineral Resources and Energy (DMRE) for consideration during the decision-making process.

Project Description

Tawana Hotazel Mining (Pty) Ltd has submitted an application for a Mining Right to the DMRE for the proposed Tawana Hotazel Mine (THM) to mine manganese and associated minerals.

The THM covers portions of two farms within the Joe Morolong Local Municipality in the Northern Cape Province; Hotazel 280 and York 279 and is located approximately 1 km south-east of the town of Hotazel. The THM largely incorporates the historical Hotazel Manganese Mine (HMM), including the residual opencast void, surface dumps of low-grade material and the mothballed processing plant and rail loadout facility. HMM stopped production in 1989. The area was historically mined by both opencast and underground means and yielded high grade manganese ore. All current plans for the project specifically exclude underground mining.

The overall area applied for is approximately 154 Ha (inclusive of the MR application area and access road). Surface infrastructure will include the opencast pit (incorporating the historical HMM void and further expansion of the opencast footprint), in-pit waste dumps (residue material), surface residue handling / storage, vehicle yard, workshop, access and haul roads, offices, stores, processing plant for the crushing and screening of mined ore, product stockpile area, run of mine pad, refuel bay and water management infrastructure. There will be two main access points into the mine and all-weather access roads (12 m wide) will need to be upgraded / constructed. The main transport route to the east will be for Heavy Vehicles (HVs), potentially 80 – 100 trucks per day, and the main entrance to the west (near Hotazel) will be for Light Delivery Vehicles (LDV's). In addition, on-site access roads (12 m wide) will be required for use by the secondary support fleets and earthmoving haul trucks.

The proposed THM will be an opencast mine with a 30-year life of mine. THM will employ approximately 177 people (inclusive of outsourced service providers).

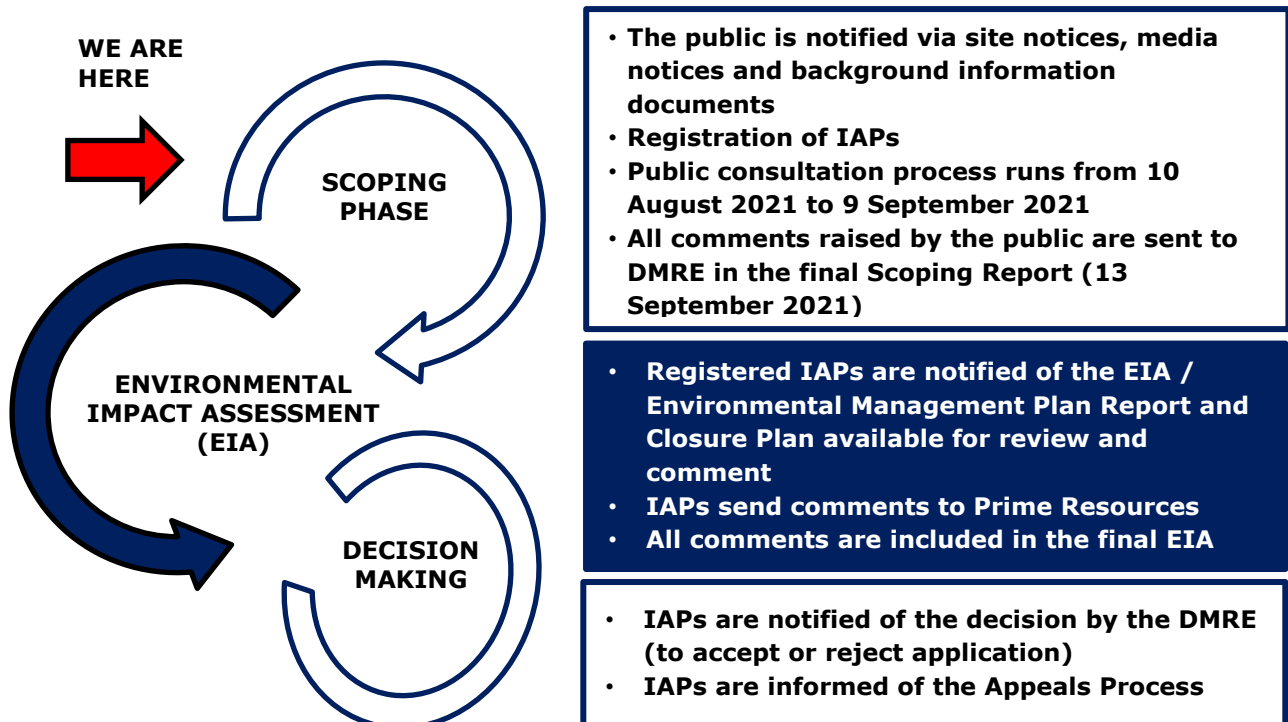
Please refer to the maps on the final pages

Process to be followed

South Africa's main environmental law is the **National Environmental Management Act, 1998 (NEMA)**. NEMA contains Regulations, which include lists of activities, which have been identified as potentially harmful to the environment. These are referred to as "listed activities". Before undertaking any of these activities, an applicant is required to apply for Environmental Authorisation (EA) for these activities. Depending on the nature of these activities, a *Basic Assessment* (BA) or *Scoping and Environmental Impact Assessment* (EIA) process will be required to inform and support the application for EA.

For the proposed THM, a **Scoping and EIA process is required**. The two phases - Scoping and EIA - each have a 30-day commenting period (allowing review of documents and raising of comments / questions / concerns – which need to be included in the final documentation).

The **DMRE** is considered the Competent Authority (decision-maker) for this process because the activities are related to a mining application. All of the information gathered during the Scoping and EIA phases and all comments made by the public are provided to the DMRE. The DMRE decides whether to grant or refuse Environmental Authorisation for the activities based on information presented in the various reports submitted.



Prime Resources has been appointed as the independent Environmental Assessment Practitioner (EAP) to conduct the regulated environmental processes for the project. Independent specialists have been appointed to undertake studies for the project. Neither the EAP nor the specialists have any vested interest in the project proceeding.

Environmental Authorisation

The THM will undertake the following activities that are NEMA listed activities (i.e. those that require authorisation from the DMRE):

- Mining and processing of minerals and the construction and operation of infrastructure related to mining;
- Development and operation of facilities or infrastructure, for the storage and handling, of a dangerous good (i.e. fuel, chemicals and explosives);
- Development and widening of roads required to exercise the Mining Right;
- Clearing vegetation for infrastructure and for mining; and
- Development of facilities or infrastructure for any process or activity which requires a permit or licence in terms of national or provincial legislation governing the generation or release of emissions, pollution or effluent.

In particular, Tawana Hotazel Mining (Pty) Ltd has applied for the following NEMA listed activities:

- Listing Notice 1 activities 14, 21F, 24, 27 and 56
- Listing Notice 2 activities 6 and 17

Waste Management Licence

Tawana Hotazel Mining (Pty) Ltd also require a Waste Management Licence in order to develop the in-pit waste dumps (residue material), surface residue handling / storage area and ore stockpiles that are needed for the project. A Waste Management Licence is issued in terms of the **National Environmental Management: Waste Act, 2008 (NEMWA)**. In particular, Tawana Hotazel Mining (Pty) Ltd has applied for the following NEMWA listed activities:

- GNR921 of 2013, Category B activities 7, 10 and 11

Water Use Licence

A Water Use Licence (WUL), which is applied for from the Department of Water and Sanitation (DWS) is also required in terms of S40 of the National Water Act, 1998 for water uses to be undertaken in terms of S21 including mine dewatering, dust suppression, product stockpiling, mine residue handling and disposal and facilities for the separation and handling of clean and dirty water including pollution control dams, trenches and berms.

How will the project impact on the environment and communities?

At the Scoping Phase, potential impacts are identified. Specialists and the EAP will assess these impacts, and any other impacts raised by the community during public participation process. Another round of public participation will take place in September/ October 2021 to inform registered Interested and Affected Parties (IAPs) of the findings of the impact assessments. The **potential positive and negative impacts** of the project which have been identified for further investigation may include, but are not limited to:

Negative impacts

Surface preparation, clearing of land and construction of surface infrastructure including the construction of new on-site hauls roads and widening of the existing access roads may result in the following impacts:

- Air quality impacts due to dust and particulate matter / gaseous emissions.
- Further reduction in floral and faunal diversity, increased alien vegetation proliferation and encroachment and edge effects.
- Displacement of fauna due to habitat loss or transformation, disturbance to and mortality of fauna.
- Loss of subterranean / previously unidentified heritage and paleontological resources.
- Erosion from stormwater runoff.
- Contamination of soils or groundwater from machinery and spills.
- Greenhouse gas emissions and climate change impacts.
- The site has a low agricultural sensitivity, with minimal soil present and a small portion of grazing land will be lost.

Mining activities including stockpiling of topsoil and subsoil, opencast mining and blasting, loading and hauling, processing and ore stockpiles may result in the following impacts:

- Air quality impacts due to dust and particulate matter / gaseous emissions.
- Nuisance noise
- Blasting damage from ground vibration, air blast and fly rock.
- Contamination of soils and groundwater from machinery, spills, mining and dirty water handling and leaching from surface stockpiles / residue.
- Erosion from stormwater runoff.
- Impacts on the surface water quality due to contaminant migration away from the mining area
- There are no water courses in close proximity to the proposed THM. The closest rivers are the Gamagara River (5 km west) and the Kuruman River (10 km north)
- Greenhouse gas emissions and climate change impacts
- Backfilling/ rehabilitation will also commence immediately after the commencement of the mining operation and this may improve the current visual landscape to a degree.
- Possible in-migration of job seekers into the area resulting in the formation of new informal settlements as well as secondary impacts of in-migration including pressure on existing infrastructure, an increase in crime and social ills and mining may lead to a reduction in property value.

Handling, storage and disposal of residue material to in pit dumps may result in the following impacts:

- Contamination of soils and groundwater from mining and dirty water handling and leaching from surface stockpiles / residue.

Storage and handling of dangerous goods (bulk fuel storage and explosives handling) may result in the following impacts:

- Contamination of soils and groundwater from spills.
- Safety risks to employees.

Dewatering of groundwater for mining purposes may result in the following impacts:

- Impact on groundwater levels of surrounding water users and contaminant migration away from the mining area.
- Potential decant from the mining area post closure can result in poor quality mine water discharging to the surface.

Transfer of ore via road may result in the following impacts:

- Deterioration in pavement quality resulting in unsafe driving conditions.
- Inadequate sight distance at intersections could cause accidents.
- Safety risks to third parties and animals.

Future closure and rehabilitation may result in the following impacts:

- Downscaling and retrenchment of employees.

Positive impacts

- Safety risks to third parties and animals on site will reduce as the mine will be fenced with access controls in place.
- Direct and indirect socio-economic benefits from the generation of employment (wages), taxes and profits and from the procurement of goods and services, and the increased spending power of employees.
- Direct and indirect socio-economic benefits from skills development and SLP initiatives.
- Greenhouse gas emissions and climate change impacts where the previously cleared areas that form part of the project will be rehabilitated resulting in a carbon sink gain.
- Backfilling/ rehabilitation of the currently disturbed area upon completion of mining may improve the visual and aesthetic features of the site while simultaneously transforming the area into a usable landform.

Scoping Report Summary

The Scoping Report is compiled at the start of the Environmental Authorisation process. It answers the following questions:

- Who is undertaking the environmental assessment process?
 - Prime Resources (Pty) Ltd – Prime Resources is a specialist environmental consulting firm providing environmental, social, and related services.
- Where will the project take place?
 - Farm York A 279 (Portion of Portion 1 (RE)) and RE Farm Hotazel 280 (Portion of RE)
 - The overall area applied for is 154 Ha
Which includes:
 - MR Application area: 145.1 Ha
 - Access road area outside of MR Application area: 8.9 Ha
 - Please refer to the map on the final page.
- What will take place on site, and do any of these require approvals or permits?
 - Please refer to 'Project Description' and 'Environmental Authorisation' sections in this booklet
- Which laws are applicable to the mining project?
 - The Scoping Report summarises the different Acts and Regulations applicable to the project as well as the municipalities' Integrated Development Plans and by-laws.
 - These include the NEMA and the EIA regulations, the National Water Act and the Minerals and Petroleum Resources Development Act.

- How long will the Environmental Authorisation be valid for?
 - The period for which authorisation is required is 30 years.
- What alternatives to the project have been considered?
 - In the development of a project, different options for location, mining method and operations are considered. No alternative sites were assessed for this project, as the proposed location was selected based on the location of the MR area as well as the location of the orezone within the property as determined from the exploration results.
- What is the public participation process?
 - The public participation process aims to conduct meaningful consultation with landowners, lawful occupiers, owners and occupiers of adjacent land, municipal councillor of the ward, organisation of ratepayers that represent the community in the area, municipality, organ of state having jurisdiction in respect of any aspect of the activity and other IAPs.
 - NEMA and NWA requires that:
 - site notices are put up at and close to the proposed mining site (at least 60 x 42 cm in size);
 - an advert is placed in a newspaper;
 - landowners, land occupiers, owners and occupiers of land adjacent to the site and authorities are informed of the project; and
 - that the reports are made available to the public.
 - Prime Resources placed a notice in 2 newspapers, put up site notices within and around the project area and summarised the Scoping Report into this Background Information Document for distribution to IAPs.
 - Meetings will be arranged where necessary and if possible, considering COVID restrictions, to describe the project and the environmental process to IAPs.
 - IAPs were notified via email and SMS (where details were available).
 - Hard copies of reports will be made available in accordance with Appendix 3 of GN650 and GN970 of 2020 which states that "reports may not be made available at any public places or premises closed to the public." Therefore, hard copies of documents will only be placed at the Hotazel Public Library if the facility is open to the public (depending on the prevailing Covid-19 lockdown Alert Level and the Covid-19 protocols implemented at the proposed location).
 - All comments received from the public and authorities via email, WhatsApp, SMS, telephone and in meetings are included into a Comments and Response Report which is sent to the DMRE and DWS for review before they make a decision regarding the next step of the authorisation process.
- The Scoping Report summarises the baseline environment - this is the status of the environment before any mining takes place. What studies have been undertaken so far?
 - Air quality
 - Greenhouse Gas Emissions and Climate Change
 - Agriculture
 - Archaeology and Cultural Heritage
 - Palaeontology
 - Noise
 - Hydrology
 - Geohydrology

- Terrestrial Biodiversity
- Aquatic Biodiversity
- Socio-economic
- Blasting and vibrations
- Traffic
- Visual Context / Landscape
- The Scoping Report considers the potential impacts the project might have on the community and environment. The public participation process also identifies what concerns the communities might have about the project.
- What happens next?
 - Further specialist studies will be undertaken to assess the potential impacts. Specialist studies are included in the EIA phase, and another report (the EIA) will be available for public review and comment at a later date.
 - IAPs will be notified of the availability of future reports.

Register as an Interested and Affected Party (IAP)

To register as an IAP, make representation, or request additional information, SMS or WhatsApp “Hotazel Mine” followed by your name and contact information to **076 403 3386** or email prime@resources.co.za. Alternate contact details for the EAP: (F) 086 604 2219 (W) www.resources.co.za

Opportunity to participate

The **Scoping Report is available for review from 10 August 2021 to 9 September 2021**. The Report is available on the Prime Resources website (www.resources.co.za) or can be provided via e-mail upon request. A printed copy of the Scoping Report can be viewed at the Hotazel Public Library if the facility is open to the public (depending on the prevailing Covid-19 lockdown Alert Level and the Covid-19 protocols implemented at the proposed location).

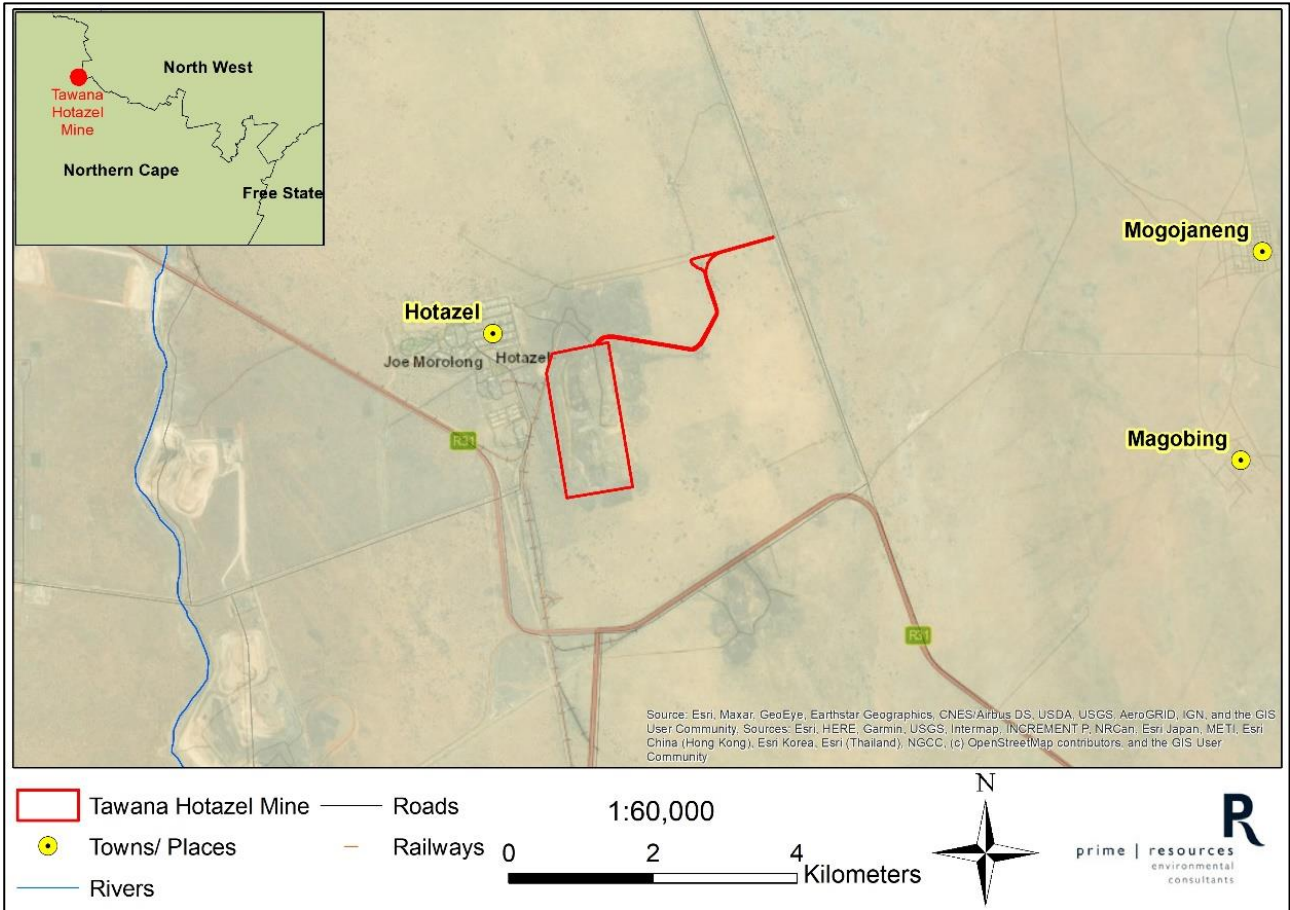
All comments regarding the proposed project are welcome. In particular, we would like to invite comments or suggestions on:

- How the project might affect you and your community;
- Information about how your land is currently used (e.g. subsistence farming, business, residential) and if you are concerned that this will be impacted by the project;
- Information on any environmental or social features that are important to you and your community and/or which may have been overlooked;
- Suggestions to lessen any anticipated environmental or social impacts; and
- Suggestions as to the standard you feel the site should be rehabilitated to.

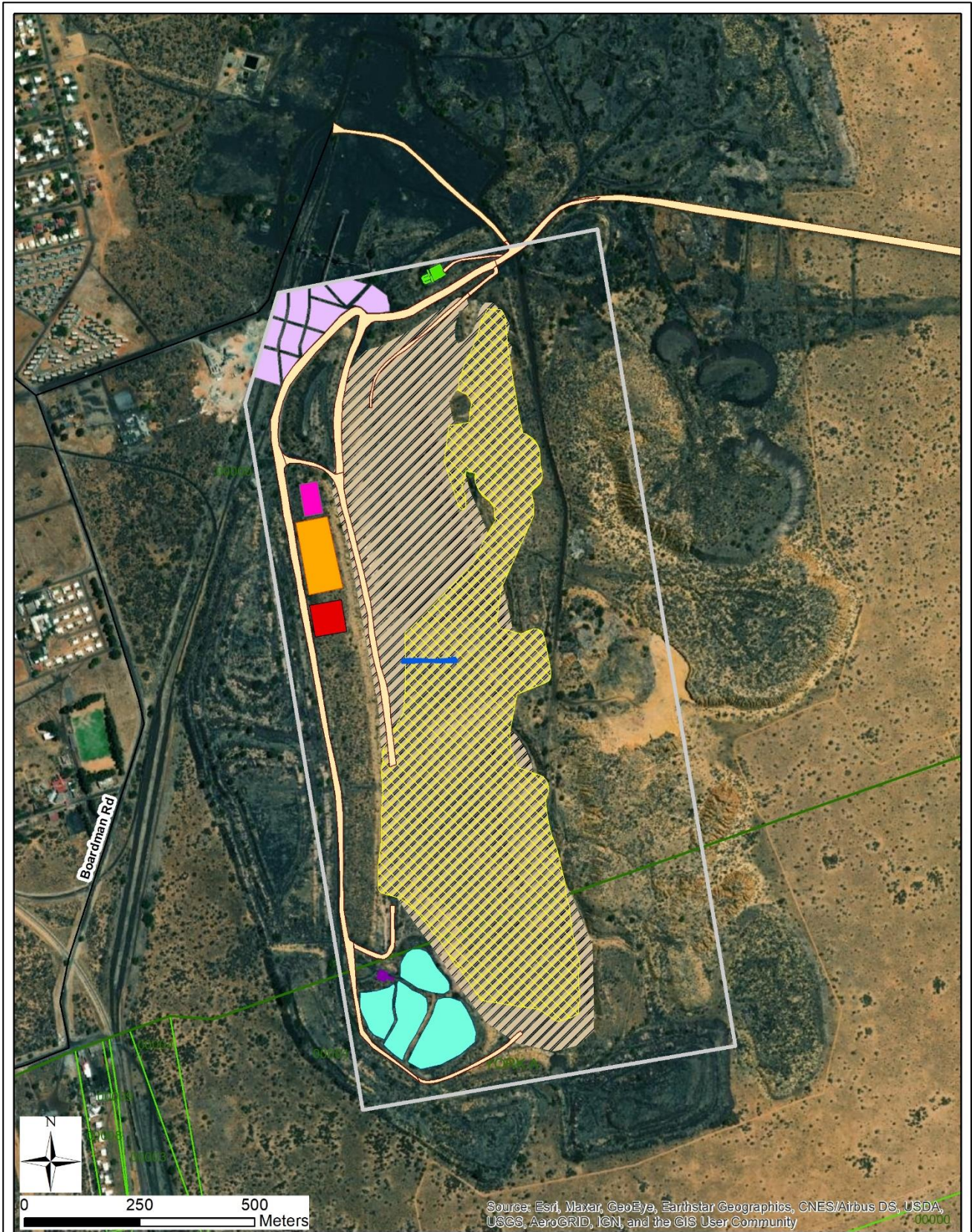
Please ensure that you submit your comments or concerns to Prime Resources by **9 September 2021**.

- Email (prime@resources.co.za)
- SMS/ WhatsApp (076 403 3386)
- Fax (086 604 2219)

Disclaimer: In accordance with the POPI Act, No. 4 of 2013, information provided by IAPs will be processed by Prime Resources insofar as is necessary to fulfill the abovementioned legal obligations. For further information, please contact the EAP.



Location of the proposed THM



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

- | | | |
|--------------------------|-------------------------|---------------------------------------|
| MR area | Refuel Bay | Processing Plant |
| Access and on-site roads | Evaporators | Pollution Control Dam |
| Office Block & Stores | Vehicle yard & Workshop | Opencast Pit |
| RoM pads | Product Stockpile Area | In-pit waste dumps (residue material) |



Layout of the proposed THM

APPENDIX 6.5
PROOF OF DISTRIBUTION OF THE
SCOPING REPORT

Louise Jones

From: Louise Jones
Sent: 10 August 2021 09:51
To: Juliak@joemorolong.gov.za; juliakatong2@gmail.com
Cc: Jonathan van de Wouw
Subject: NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine
Attachments: Tawana Hotazel Mine BID Scoping Phase-compressed.pdf; Tawana Hotazel Mine Scoping Report_compressed.pdf

Tracking:

Recipient

Delivery

Juliak@joemorolong.gov.za

juliakatong2@gmail.com

Jonathan van de Wouw

Delivered: 10/08/2021 09:51

Dear Ms Katong

The Dept. of Mineral Resources and Energy (DMRE) has accepted an application for a mining right made by Tawana Hotazel Mining (Pty) Ltd (THM) in terms of S22 of the Mineral and Petroleum Resources Development Act, 2002 (MPRDA), to mine manganese and associated minerals over two farms (Hotazel 280 and York 279) located approximately 1 km south-east of the town of Hotazel in the Joe Morolong Local Municipality, Northern Cape Province.

THM is applying for Environmental Authorisation (EA) in terms of S24 of the National Environmental Management (NEM) Act, 1998, the 2014 EIA Regulations (as amended) and the NEM: Waste Act, 2008 for proposed mining and associated activities and infrastructure incl. activities: 14, 21F, 24, 27 and 56 of LN1 (GNR983); 6 and 17 of LN2 (GNR984) and 7, 10 and 11 of Category B of GNR921 (list of Waste Management Activities). A Scoping and EIA process will be followed and all documentation will be submitted to the competent authority (DMRE) for approval.

THM is also applying for a Water Use Licence (WUL) from the Dept. of Water and Sanitation in terms of S40 of the National Water Act, 1998 for water uses to be undertaken in terms of S21 incl. mine dewatering, dust suppression, product stockpiling, mine residue handling and disposal and facilities for the separation and handling of clean and dirty water incl. pollution control dams, trenches and berms.

Prime Resources (Pty) Ltd has been appointed as the Environmental Assessment Practitioner in terms of S12 of the NEM Act to facilitate the above processes.

OPPORTUNITY TO COMMENT

In terms of S41(2)(b)(v), the EAP is required to give written notice of the application to any organ of state having jurisdiction in respect of any aspect of the activity. Therefore, as the municipal councillor of Ward 4, please refer to the attached Scoping Report and Background Information Document (BID) for more information regarding the project. The uncompressed Scoping Report as well as the appendices are available for download from the Prime Resources website (www.resources.co.za).

The public participation period for the Scoping phase will run from **10 August 2021 to 9 September 2021**. A second public participation period will be held for the Environmental Impact Assessment phase, estimated around January / February 2022. As a registered IAP, you will be notified of this as well.

Kindly furnish all comments or queries to Prime Resources (prime@resources.co.za) by **9 September 2021**. All comments raised during the Scoping phase will be captured in the final Scoping Report to be submitted to the DMR. Please feel free to forward this email to other individuals or organisations who may be considered potential IAPs.

Should you wish to be removed from the IAP database, please advise via email.

Disclaimer: In accordance with the POPI Act, No. 4 of 2013, information provided by IAPs will be processed by Prime Resources insofar as is necessary to fulfill the abovementioned legal obligations. For further information, please contact the EAP.

Kind Regards

Louise Jones
Senior Environmental Scientist

T: +27 11 447 4888

F: +27 86 604 2219

E: louise@resources.co.za



the workshop ▪ 70 - 7th avenue ▪ parktown north ▪ johannesburg ▪ 2193
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www.resources.co.za

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Louise Jones

From: Louise Jones
Sent: 10 August 2021 09:55
To: mm@joemorolong.gov.za; mmoroagae@joemorolong.gov.za; registry@joemorolong.gov.za; luvhengomulaudzi740@gmail.com; tgopetse@joemorolong.gov.za; vphiri@joemorolong.gov.za
Cc: Jonathan van de Wouw
Subject: NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine
Attachments: Tawana Hotazel Mine BID Scoping Phase-compressed.pdf; Tawana Hotazel Mine Scoping Report_compressed.pdf

Tracking:	Recipient	Delivery
	mm@joemorolong.gov.za	
	mmoroagae@joemorolong.gov.za	
	registry@joemorolong.gov.za	
	luvhengomulaudzi740@gmail.com	
	tgopetse@joemorolong.gov.za	
	vphiri@joemorolong.gov.za	
	Jonathan van de Wouw	Delivered: 10/08/2021 09:55

Dear Interested and Affected Party

The Dept. of Mineral Resources and Energy (DMRE) has accepted an application for a mining right made by Tawana Hotazel Mining (Pty) Ltd (THM) in terms of S22 of the Mineral and Petroleum Resources Development Act, 2002 (MPRDA), to mine manganese and associated minerals over two farms (Hotazel 280 and York 279) located approximately 1 km south-east of the town of Hotazel in the Joe Morolong Local Municipality, Northern Cape Province.

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OPPORTUNITY TO COMMENT

In terms of S41(2)(b)(v), the EAP is required to give written notice of the application to any organ of state having jurisdiction in respect of any aspect of the activity. Therefore, as the Joe Morolong Local Municipality, please refer to the attached Scoping Report and Background Information Document (BID) for more information regarding the project. The uncompressed Scoping Report as well as the appendices are available for download from the Prime Resources website (www.resources.co.za).

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Kind Regards

Louise Jones
Senior Environmental Scientist

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E: louise@resources.co.za



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Louise Jones

From: Louise Jones
Sent: 10 August 2021 09:58
To: Disangmolaole16@gmail.com; dmolaole@taologaetsewe.gov.za; matlhareTH@taologaetsewe.gov.za; mmsec@taologaetsewe.gov.za; mm@taologaetsewe.gov.za; vanderwesthuizen@taologaetsewe.gov.za; info@taologaetsewe.gov.za
Cc: Jonathan van de Wouw
Subject: NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine
Attachments: Tawana Hotazel Mine BID Scoping Phase-compressed.pdf; Tawana Hotazel Mine Scoping Report_compressed.pdf

Tracking:	Recipient	Delivery	Read
	Disangmolaole16@gmail.com		
	dmolaole@taologaetsewe.gov.za		
	matlhareTH@taologaetsewe.gov.z		
	mmsec@taologaetsewe.gov.za		
	mm@taologaetsewe.gov.za		
	vanderwesthuizen@taologaetsev		
	info@taologaetsewe.gov.za		
	Jonathan van de Wouw	Delivered: 10/08/2021 09:58	Read: 10/08/2021 10:01

Dear Interested and Affected Party

The Dept. of Mineral Resources and Energy (DMRE) has accepted an application for a mining right made by Tawana Hotazel Mining (Pty) Ltd (THM) in terms of S22 of the Mineral and Petroleum Resources Development Act, 2002 (MPRDA), to mine manganese and associated minerals over two farms (Hotazel 280 and York 279) located approximately 1 km south-east of the town of Hotazel in the Joe Morolong Local Municipality, Northern Cape Province.

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Kind Regards

Louise Jones
Senior Environmental Scientist

T: +27 11 447 4888
F: +27 86 604 2219
E: louise@resources.co.za



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Louise Jones

From: Louise Jones
Sent: 11 August 2021 10:25
To: Eugene Nkatlholang
Cc: Jonathan van de Wouw
Subject: NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine
Attachments: Tawana Hotazel Mine BID Scoping Phase-compressed.pdf; Tawana Hotazel Mine Scoping Report_compressed.pdf

Good day Eugene

Please see the attached documents and below email for your information.

Such emails were sent to all organs of state and IAPs for the Proposed Tawana Hotazel Mine Scoping Phase Public Participation Process.

All comments raised during the Scoping Phase will be captured in the final Scoping Report to be submitted to the DMRE for consideration.

Kind Regards
Louise

From: Louise Jones
Sent: 10 August 2021 10:24
To: 'fenin2@dws.gov.za' <fenin2@dws.gov.za>
Cc: Jonathan van de Wouw <jonathan@resources.co.za>
Subject: NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine

Dear Ms Feni

The Dept. of Mineral Resources and Energy (DMRE) has accepted an application for a mining right made by Tawana Hotazel Mining (Pty) Ltd (THM) in terms of S22 of the Mineral and Petroleum Resources Development Act, 2002 (MPRDA), to mine manganese and associated minerals over two farms (Hotazel 280 and York 279) located approximately 1 km south-east of the town of Hotazel in the Joe Morolong Local Municipality, Northern Cape Province.

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Kind Regards

Louise Jones
Senior Environmental Scientist

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E: louise@resources.co.za



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Louise Jones

From: Louise Jones
Sent: 10 August 2021 10:01
To: BCAdmin@environment.gov.za; eiaadmin@environment.gov.za
Cc: Jonathan van de Wouw
Subject: NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine
Attachments: Tawana Hotazel Mine BID Scoping Phase-compressed.pdf; Tawana Hotazel Mine Scoping Report_compressed.pdf

Tracking:	Recipient	Delivery	Read
	BCAdmin@environment.gov.za		
	eiaadmin@environment.gov.za		
	Jonathan van de Wouw	Delivered: 10/08/2021 10:01	Read: 10/08/2021 10:19

Dear Interested and Affected Party

The Dept. of Mineral Resources and Energy (DMRE) has accepted an application for a mining right made by Tawana Hotazel Mining (Pty) Ltd (THM) in terms of S22 of the Mineral and Petroleum Resources Development Act, 2002 (MPRDA), to mine manganese and associated minerals over two farms (Hotazel 280 and York 279) located approximately 1 km south-east of the town of Hotazel in the Joe Morolong Local Municipality, Northern Cape Province.

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Kind Regards

Louise Jones
Senior Environmental Scientist

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F: +27 86 604 2219

E: louise@resources.co.za



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Louise Jones

From: Louise Jones
Sent: 10 August 2021 10:21
To: fenin2@dws.gov.za
Cc: Jonathan van de Wouw
Subject: NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine
Attachments: Tawana Hotazel Mine BID Scoping Phase-compressed.pdf; Tawana Hotazel Mine Scoping Report_compressed.pdf

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Kind Regards

Louise Jones
Senior Environmental Scientist

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F: +27 86 604 2219

E: louise@resources.co.za



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Louise Jones

From: Louise Jones
Sent: 10 August 2021 10:09
To: jacolinema@daff.gov.za
Cc: Jonathan van de Wouw
Subject: NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine
Attachments: Tawana Hotazel Mine BID Scoping Phase-compressed.pdf; Tawana Hotazel Mine Scoping Report_compressed.pdf

Tracking:	Recipient	Delivery	Read
	jacolinema@daff.gov.za		
	Jonathan van de Wouw	Delivered: 10/08/2021 10:10	Read: 10/08/2021 10:19

Dear Ms Mans

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Kind Regards

Louise Jones
Senior Environmental Scientist

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F: +27 86 604 2219

E: louise@resources.co.za



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Louise Jones

From: Louise Jones
Sent: 10 August 2021 10:20
To: lwamodise@ncpg.gov.za; bfisher@ncpg.gov.za; sdelafontaine@gmail.com; Tmthombeni@ncpg.gov.za; Mangalane.DuToit@drdlr.gov.za; ryan.oliver@drdlr.gov.za
Cc: Jonathan van de Wouw
Subject: NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine
Attachments: Tawana Hotazel Mine BID Scoping Phase-compressed.pdf; Tawana Hotazel Mine Scoping Report_compressed.pdf

Dear Interested and Affected Party

The Dept. of Mineral Resources and Energy (DMRE) has accepted an application for a mining right made by Tawana Hotazel Mining (Pty) Ltd (THM) in terms of S22 of the Mineral and Petroleum Resources Development Act, 2002 (MPRDA), to mine manganese and associated minerals over two farms (Hotazel 280 and York 279) located approximately 1 km south-east of the town of Hotazel in the Joe Morolong Local Municipality, Northern Cape Province.

THM is applying for Environmental Authorisation (EA) in terms of S24 of the National Environmental Management (NEM) Act, 1998, the 2014 EIA Regulations (as amended) and the NEM: Waste Act, 2008 for proposed mining and associated activities and infrastructure incl. activities: 14, 21F, 24, 27 and 56 of LN1 (GNR983); 6 and 17 of LN2 (GNR984) and 7, 10 and 11 of Category B of GNR921 (list of Waste Management Activities). A Scoping and EIA process will be followed and all documentation will be submitted to the competent authority (DMRE) for approval.

THM is also applying for a Water Use Licence (WUL) from the Dept. of Water and Sanitation in terms of S40 of the National Water Act, 1998 for water uses to be undertaken in terms of S21 incl. mine dewatering, dust suppression, product stockpiling, mine residue handling and disposal and facilities for the separation and handling of clean and dirty water incl. pollution control dams, trenches and berms.

Prime Resources (Pty) Ltd has been appointed as the Environmental Assessment Practitioner in terms of S12 of the NEM Act to facilitate the above processes.

OPPORTUNITY TO COMMENT

In terms of S41(2)(b)(v), the EAP is required to give written notice of the application to any organ of state having jurisdiction in respect of any aspect of the activity. Therefore, as the Northern Cape Province Department: Agriculture, Environmental Affairs, Land Reform and Rural Development, please refer to the attached Scoping Report and Background Information Document (BID) for more information regarding the project. The uncompressed Scoping Report as well as the appendices are available for download from the Prime Resources website (www.resources.co.za).

The public participation period for the Scoping phase will run from **10 August 2021 to 9 September 2021**. A second public participation period will be held for the Environmental Impact Assessment phase, estimated around January/February 2022. As a registered IAP, you will be notified of this as well.

Kindly furnish all comments or queries to Prime Resources (prime@resources.co.za) by **9 September 2021**. All comments raised during the Scoping phase will be captured in the final Scoping Report to be submitted to the DMRE. Please feel free to forward this email to other individuals or organisations who may be considered potential IAPs.

Should you wish to be removed from the IAP database, please advise via email.

Disclaimer: In accordance with the POPI Act, No. 4 of 2013, information provided by IAPs will be processed by Prime Resources insofar as is necessary to fulfill the abovementioned legal obligations. For further information, please contact the EAP.

Kind Regards

Louise Jones
Senior Environmental Scientist

T: +27 11 447 4888

F: +27 86 604 2219

E: louise@resources.co.za



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po box 2316 ▪ parklands ▪ 2121

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Louise Jones

From: Louise Jones
Sent: 10 August 2021 14:31
To: nhiggitt@sahra.org.za; atimothy@nc.sahra.org.za; rtimothy@nbkb.org.za
Cc: Jonathan van de Wouw
Subject: NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine
Attachments: Tawana Hotazel Mine BID Scoping Phase-compressed.pdf; Tawana Hotazel Mine Scoping Report_compressed.pdf

Tracking:	Recipient	Delivery	Read
	nhiggitt@sahra.org.za		
	atimothy@nc.sahra.org.za		
	rtimothy@nbkb.org.za		
	Jonathan van de Wouw	Delivered: 10/08/2021 14:32	Read: 10/08/2021 14:32

Dear Interested and Affected Party

The Dept. of Mineral Resources and Energy (DMRE) has accepted an application for a mining right made by Tawana Hotazel Mining (Pty) Ltd (THM) in terms of S22 of the Mineral and Petroleum Resources Development Act, 2002 (MPRDA), to mine manganese and associated minerals over two farms (Hotazel 280 and York 279) located approximately 1 km south-east of the town of Hotazel in the Joe Morolong Local Municipality, Northern Cape Province.

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Prime Resources (Pty) Ltd has been appointed as the Environmental Assessment Practitioner in terms of S12 of the NEM Act to facilitate the above processes.

OPPORTUNITY TO COMMENT

In terms of S41(2)(b)(v), the EAP is required to give written notice of the application to any organ of state having jurisdiction in respect of any aspect of the activity. Therefore, as the Heritage Resources Agency, please refer to the attached Scoping Report and Background Information Document (BID) for more information regarding the project. The uncompressed Scoping Report as well as the appendices are available for download from the Prime Resources website (www.resources.co.za). Please also note that a Heritage Case (CaseID: 16938) titled: **Mining Right Application and Environmental Authorisation process on farm Hotazel 280 and York 279** has been created on SAHRIS.

The public participation period for the Scoping phase will run from **10 August 2021 to 9 September 2021**. A second public participation period will be held for the Environmental Impact Assessment phase, estimated around January/February 2022. As a registered IAP, you will be notified of this as well.

Kindly furnish all comments or queries to Prime Resources (prime@resources.co.za) by **9 September 2021**. All comments raised during the Scoping phase will be captured in the final Scoping Report to be submitted to the DMRE. Please feel free to forward this email to other individuals or organisations who may be considered potential IAPs.

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Kind Regards

Louise Jones
Senior Environmental Scientist

T: +27 11 447 4888

F: +27 86 604 2219

E: louise@resources.co.za



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Louise Jones

From: Louise Jones
Sent: 10 August 2021 10:30
To: MakaleKM@eskom.co.za; MdunyeNC@eskom.co.za; geerinjh@eskom.co.za; Pienaar@eskom.co.za
Cc: Jonathan van de Wouw
Subject: NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine
Attachments: Tawana Hotazel Mine BID Scoping Phase-compressed.pdf; Tawana Hotazel Mine Scoping Report_compressed.pdf

Dear Interested and Affected Party

The Dept. of Mineral Resources and Energy (DMRE) has accepted an application for a mining right made by Tawana Hotazel Mining (Pty) Ltd (THM) in terms of S22 of the Mineral and Petroleum Resources Development Act, 2002 (MPRDA), to mine manganese and associated minerals over two farms (Hotazel 280 and York 279) located approximately 1 km south-east of the town of Hotazel in the Joe Morolong Local Municipality, Northern Cape Province.

THM is applying for Environmental Authorisation (EA) in terms of S24 of the National Environmental Management (NEM) Act, 1998, the 2014 EIA Regulations (as amended) and the NEM: Waste Act, 2008 for proposed mining and associated activities and infrastructure incl. activities: 14, 21F, 24, 27 and 56 of LN1 (GNR983); 6 and 17 of LN2 (GNR984) and 7, 10 and 11 of Category B of GNR921 (list of Waste Management Activities). A Scoping and EIA process will be followed and all documentation will be submitted to the competent authority (DMRE) for approval.

THM is also applying for a Water Use Licence (WUL) from the Dept. of Water and Sanitation in terms of S40 of the National Water Act, 1998 for water uses to be undertaken in terms of S21 incl. mine dewatering, dust suppression, product stockpiling, mine residue handling and disposal and facilities for the separation and handling of clean and dirty water incl. pollution control dams, trenches and berms.

Prime Resources (Pty) Ltd has been appointed as the Environmental Assessment Practitioner in terms of S12 of the NEM Act to facilitate the above processes.

OPPORTUNITY TO COMMENT

In terms of S41(2)(b)(v), the EAP is required to give written notice of the application to any organ of state having jurisdiction in respect of any aspect of the activity. Therefore, as Eskom, please refer to the attached Scoping Report and Background Information Document (BID) for more information regarding the project. The uncompressed Scoping Report as well as the appendices are available for download from the Prime Resources website (www.resources.co.za).

The public participation period for the Scoping phase will run from **10 August 2021 to 9 September 2021**. A second public participation period will be held for the Environmental Impact Assessment phase, estimated around January/February 2022. As a registered IAP, you will be notified of this as well.

Kindly furnish all comments or queries to Prime Resources (prime@resources.co.za) by **9 September 2021**. All comments raised during the Scoping phase will be captured in the final Scoping Report to be submitted to the DMRE. Please feel free to forward this email to other individuals or organisations who may be considered potential IAPs.

Should you wish to be removed from the IAP database, please advise via email.

Disclaimer: In accordance with the POPI Act, No. 4 of 2013, information provided by IAPs will be processed by Prime Resources insofar as is necessary to fulfill the abovementioned legal obligations. For further information, please contact the EAP.

Kind Regards

Louise Jones
Senior Environmental Scientist

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F: +27 86 604 2219

E: louise@resources.co.za



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Louise Jones

From: Louise Jones
Sent: 10 August 2021 10:35
To: StrohL@caa.co.za
Cc: Jonathan van de Wouw
Subject: NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine
Attachments: Tawana Hotazel Mine BID Scoping Phase-compressed.pdf; Tawana Hotazel Mine Scoping Report_compressed.pdf

Tracking:	Recipient	Delivery	Read
	StrohL@caa.co.za		
	Jonathan van de Wouw	Delivered: 10/08/2021 10:35	Read: 10/08/2021 11:54

Dear Lizell Stroh

The Dept. of Mineral Resources and Energy (DMRE) has accepted an application for a mining right made by Tawana Hotazel Mining (Pty) Ltd (THM) in terms of S22 of the Mineral and Petroleum Resources Development Act, 2002 (MPRDA), to mine manganese and associated minerals over two farms (Hotazel 280 and York 279) located approximately 1 km south-east of the town of Hotazel in the Joe Morolong Local Municipality, Northern Cape Province.

THM is applying for Environmental Authorisation (EA) in terms of S24 of the National Environmental Management (NEM) Act, 1998, the 2014 EIA Regulations (as amended) and the NEM: Waste Act, 2008 for proposed mining and associated activities and infrastructure incl. activities: 14, 21F, 24, 27 and 56 of LN1 (GNR983); 6 and 17 of LN2 (GNR984) and 7, 10 and 11 of Category B of GNR921 (list of Waste Management Activities). A Scoping and EIA process will be followed and all documentation will be submitted to the competent authority (DMRE) for approval.

THM is also applying for a Water Use Licence (WUL) from the Dept. of Water and Sanitation in terms of S40 of the National Water Act, 1998 for water uses to be undertaken in terms of S21 incl. mine dewatering, dust suppression, product stockpiling, mine residue handling and disposal and facilities for the separation and handling of clean and dirty water incl. pollution control dams, trenches and berms.

Prime Resources (Pty) Ltd has been appointed as the Environmental Assessment Practitioner in terms of S12 of the NEM Act to facilitate the above processes.

OPPORTUNITY TO COMMENT

In terms of S41(2)(b)(v), the EAP is required to give written notice of the application to any organ of state having jurisdiction in respect of any aspect of the activity. Therefore, as the South African Civil Aviation Authority, please refer to the attached Scoping Report and Background Information Document (BID) for more information regarding the project. The uncompressed Scoping Report as well as the appendices are available for download from the Prime Resources website (www.resources.co.za).

The public participation period for the Scoping phase will run from **10 August 2021 to 9 September 2021**. A second public participation period will be held for the Environmental Impact Assessment phase, estimated around January/February 2022. As a registered IAP, you will be notified of this as well.

Kindly furnish all comments or queries to Prime Resources (prime@resources.co.za) by **9 September 2021**. All comments raised during the Scoping phase will be captured in the final Scoping Report to be submitted to the DMRE. Please feel free to forward this email to other individuals or organisations who may be considered potential IAPs.

Should you wish to be removed from the IAP database, please advise via email.

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Kind Regards

Louise Jones
Senior Environmental Scientist

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Louise Jones

From: Louise Jones
Sent: 10 August 2021 10:36
To: cabangile.zulu@transnet.net; frank.oly@transnet.net
Cc: Jonathan van de Wouw
Subject: NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine
Attachments: Tawana Hotazel Mine BID Scoping Phase-compressed.pdf; Tawana Hotazel Mine Scoping Report_compressed.pdf

Tracking:	Recipient	Delivery	Read
	cabangile.zulu@transnet.net		
	frank.oly@transnet.net		
	Jonathan van de Wouw	Delivered: 10/08/2021 10:36	Read: 10/08/2021 11:54

Dear Interested and Affected Party

The Dept. of Mineral Resources and Energy (DMRE) has accepted an application for a mining right made by Tawana Hotazel Mining (Pty) Ltd (THM) in terms of S22 of the Mineral and Petroleum Resources Development Act, 2002 (MPRDA), to mine manganese and associated minerals over two farms (Hotazel 280 and York 279) located approximately 1 km south-east of the town of Hotazel in the Joe Morolong Local Municipality, Northern Cape Province.

THM is applying for Environmental Authorisation (EA) in terms of S24 of the National Environmental Management (NEM) Act, 1998, the 2014 EIA Regulations (as amended) and the NEM: Waste Act, 2008 for proposed mining and associated activities and infrastructure incl. activities: 14, 21F, 24, 27 and 56 of LN1 (GNR983); 6 and 17 of LN2 (GNR984) and 7, 10 and 11 of Category B of GNR921 (list of Waste Management Activities). A Scoping and EIA process will be followed and all documentation will be submitted to the competent authority (DMRE) for approval.

THM is also applying for a Water Use Licence (WUL) from the Dept. of Water and Sanitation in terms of S40 of the National Water Act, 1998 for water uses to be undertaken in terms of S21 incl. mine dewatering, dust suppression, product stockpiling, mine residue handling and disposal and facilities for the separation and handling of clean and dirty water incl. pollution control dams, trenches and berms.

Prime Resources (Pty) Ltd has been appointed as the Environmental Assessment Practitioner in terms of S12 of the NEM Act to facilitate the above processes.

OPPORTUNITY TO COMMENT

In terms of S41(2)(b)(v), the EAP is required to give written notice of the application to any organ of state having jurisdiction in respect of any aspect of the activity. Therefore, as Transnet, please refer to the attached Scoping Report and Background Information Document (BID) for more information regarding the project. The uncompressed Scoping Report as well as the appendices are available for download from the Prime Resources website (www.resources.co.za).

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Kindly furnish all comments or queries to Prime Resources (prime@resources.co.za) by **9 September 2021**. All comments raised during the Scoping phase will be captured in the final Scoping Report to be submitted to the DMRE. Please feel free to forward this email to other individuals or organisations who may be considered potential IAPs.

Should you wish to be removed from the IAP database, please advise via email.

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Kind Regards

Louise Jones
Senior Environmental Scientist

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F: +27 86 604 2219

E: louise@resources.co.za



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Louise Jones

From: Louise Jones
Sent: 10 August 2021 10:39
To: KNogwili@ncpg.gov.za; emodise@vodamail.co.za
Cc: Jonathan van de Wouw
Subject: NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine
Attachments: Tawana Hotazel Mine BID Scoping Phase-compressed.pdf; Tawana Hotazel Mine Scoping Report_compressed.pdf

Tracking:	Recipient	Delivery	Read
	KNogwili@ncpg.gov.za		
	emodise@vodamail.co.za		
	Jonathan van de Wouw	Delivered: 10/08/2021 10:39	Read: 10/08/2021 11:54

Dear Interested and Affected Party

The Dept. of Mineral Resources and Energy (DMRE) has accepted an application for a mining right made by Tawana Hotazel Mining (Pty) Ltd (THM) in terms of S22 of the Mineral and Petroleum Resources Development Act, 2002 (MPRDA), to mine manganese and associated minerals over two farms (Hotazel 280 and York 279) located approximately 1 km south-east of the town of Hotazel in the Joe Morolong Local Municipality, Northern Cape Province.

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THM is also applying for a Water Use Licence (WUL) from the Dept. of Water and Sanitation in terms of S40 of the National Water Act, 1998 for water uses to be undertaken in terms of S21 incl. mine dewatering, dust suppression, product stockpiling, mine residue handling and disposal and facilities for the separation and handling of clean and dirty water incl. pollution control dams, trenches and berms.

Prime Resources (Pty) Ltd has been appointed as the Environmental Assessment Practitioner in terms of S12 of the NEM Act to facilitate the above processes.

OPPORTUNITY TO COMMENT

In terms of S41(2)(b)(v), the EAP is required to give written notice of the application to any organ of state having jurisdiction in respect of any aspect of the activity. Therefore, as the Northern Cape Province Department: Roads and Public Works, please refer to the attached Scoping Report and Background Information Document (BID) for more information regarding the project. The uncompressed Scoping Report as well as the appendices are available for download from the Prime Resources website (www.resources.co.za).

The public participation period for the Scoping phase will run from **10 August 2021 to 9 September 2021**. A second public participation period will be held for the Environmental Impact Assessment phase, estimated around January/February 2022. As a registered IAP, you will be notified of this as well.

Kindly furnish all comments or queries to Prime Resources (prime@resources.co.za) by **9 September 2021**. All comments raised during the Scoping phase will be captured in the final Scoping Report to be submitted to the DMRE. Please feel free to forward this email to other individuals or organisations who may be considered potential IAPs.

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Kind Regards

Louise Jones
Senior Environmental Scientist

T: +27 11 447 4888

F: +27 86 604 2219

E: louise@resources.co.za



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Louise Jones

From: Louise Jones
Sent: 10 August 2021 10:40
To: AbrahamsN@nra.co.za
Cc: Jonathan van de Wouw
Subject: NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine
Attachments: Tawana Hotazel Mine BID Scoping Phase-compressed.pdf; Tawana Hotazel Mine Scoping Report_compressed.pdf

Tracking:	Recipient	Read
	AbrahamsN@nra.co.za	
	Jonathan van de Wouw	Read: 10/08/2021 11:54

Dear Ms Abrahams

The Dept. of Mineral Resources and Energy (DMRE) has accepted an application for a mining right made by Tawana Hotazel Mining (Pty) Ltd (THM) in terms of S22 of the Mineral and Petroleum Resources Development Act, 2002 (MPRDA), to mine manganese and associated minerals over two farms (Hotazel 280 and York 279) located approximately 1 km south-east of the town of Hotazel in the Joe Morolong Local Municipality, Northern Cape Province.

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OPPORTUNITY TO COMMENT

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Kind Regards

Louise Jones
Senior Environmental Scientist

T: +27 11 447 4888

F: +27 86 604 2219

E: louise@resources.co.za



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Louise Jones

From: Louise Jones
Sent: 10 August 2021 10:42
To: ositangk@gamagara.co.za
Cc: Jonathan van de Wouw
Subject: NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine
Attachments: Tawana Hotazel Mine BID Scoping Phase-compressed.pdf; Tawana Hotazel Mine Scoping Report_compressed.pdf

Tracking:	Recipient	Read
	ositangk@gamagara.co.za	
	Jonathan van de Wouw	Read: 10/08/2021 11:54

Dear Kagiso Ositang

The Dept. of Mineral Resources and Energy (DMRE) has accepted an application for a mining right made by Tawana Hotazel Mining (Pty) Ltd (THM) in terms of S22 of the Mineral and Petroleum Resources Development Act, 2002 (MPRDA), to mine manganese and associated minerals over two farms (Hotazel 280 and York 279) located approximately 1 km south-east of the town of Hotazel in the Joe Morolong Local Municipality, Northern Cape Province.

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Prime Resources (Pty) Ltd has been appointed as the Environmental Assessment Practitioner in terms of S12 of the NEM Act to facilitate the above processes.

OPPORTUNITY TO COMMENT

In terms of S41(2)(b)(v), the EAP is required to give written notice of the application to any organ of state having jurisdiction in respect of any aspect of the activity. Therefore, as Gamagara Water, please refer to the attached Scoping Report and Background Information Document (BID) for more information regarding the project. The uncompressed Scoping Report as well as the appendices are available for download from the Prime Resources website (www.resources.co.za).

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Kindly furnish all comments or queries to Prime Resources (prime@resources.co.za) by **9 September 2021**. All comments raised during the Scoping phase will be captured in the final Scoping Report to be submitted to the DMRE. Please feel free to forward this email to other individuals or organisations who may be considered potential IAPs.

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Kind Regards

Louise Jones
Senior Environmental Scientist

T: +27 11 447 4888

F: +27 86 604 2219

E: louise@resources.co.za



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Louise Jones

From: Louise Jones
Sent: 23 August 2021 13:00
To: Pelo.toto@gmail.com
Cc: Jonathan van de Wouw
Subject: NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine
Attachments: Tawana Hotazel Mine BID Scoping Phase-compressed.pdf; Tawana Hotazel Mine Scoping Report_compressed.pdf

Dear Pelonomi Toto

The Dept. of Mineral Resources and Energy (DMRE) has accepted an application for a mining right made by Tawana Hotazel Mining (Pty) Ltd (THM) in terms of S22 of the Mineral and Petroleum Resources Development Act, 2002 (MPRDA), to mine manganese and associated minerals over two farms (Hotazel 280 and York 279) located approximately 1 km south-east of the town of Hotazel in the Joe Morolong Local Municipality, Northern Cape Province.

THM is applying for Environmental Authorisation (EA) in terms of S24 of the National Environmental Management (NEM) Act, 1998, the 2014 EIA Regulations (as amended) and the NEM: Waste Act, 2008 for proposed mining and associated activities and infrastructure incl. activities: 14, 21F, 24, 27 and 56 of LN1 (GNR983); 6 and 17 of LN2 (GNR984) and 7, 10 and 11 of Category B of GNR921 (list of Waste Management Activities). A Scoping and EIA process will be followed and all documentation will be submitted to the competent authority (DMRE) for approval.

THM is also applying for a Water Use Licence (WUL) from the Dept. of Water and Sanitation in terms of S40 of the National Water Act, 1998 for water uses to be undertaken in terms of S21 incl. mine dewatering, dust suppression, product stockpiling, mine residue handling and disposal and facilities for the separation and handling of clean and dirty water incl. pollution control dams, trenches and berms.

Prime Resources (Pty) Ltd has been appointed as the Environmental Assessment Practitioner in terms of S12 of the NEM Act to facilitate the above processes.

OPPORTUNITY TO COMMENT

In terms of S41(2)(b), the EAP is required to give written notice of the application to, amongst others, the Traditional Authority over the area under application. Therefore, on behalf of the Bathlaro Ba Ga Motlhwane, please refer to the attached Scoping Report and Background Information Document (BID) for more information regarding the project. The uncompressed Scoping Report as well as the appendices are available for download from the Prime Resources website (www.resources.co.za).

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Kind Regards

Louise Jones
Senior Environmental Scientist

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Louise Jones

From: Louise Jones
Sent: 10 August 2021 15:10
To: dennis.chinasamy@south32.net; Alex.Mooya@south32.net
Cc: Jonathan van de Wouw; Tebogo Louw; Mahlogonolo Kgothadi
Subject: NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine
Attachments: Tawana Hotazel Mine BID Scoping Phase-compressed.pdf; Tawana Hotazel Mine Scoping Report_compressed.pdf

Tracking:	Recipient	Delivery	Read
	dennis.chinasamy@south32.net		
	Alex.Mooya@south32.net		
	Jonathan van de Wouw	Delivered: 10/08/2021 15:10	Read: 10/08/2021 15:10
	Tebogo Louw		
	Mahlogonolo Kgothadi		

Dear Dennis and Alex

As representatives, on behalf of the landowner of the farms Hotazel 280 and York 279, and further to correspondence provided to you on 30 July 2021 regarding the acceptance of the Mining Right application made by Tawana Hotazel Mining (Pty) Ltd (THM) over the aforementioned farms, we herewith invite you to review and comment on the attached Scoping Report and Background Information Document (BID) for more information regarding the project. The uncompressed Scoping Report as well as the appendices are available for download from the Prime Resources website (www.resources.co.za).

The public participation period for the Scoping phase will run from **10 August 2021 to 9 September 2021**. A second public participation period will be held for the Environmental Impact Assessment phase, estimated around January/February 2022. As registered IAPs, you will be notified of this as well.

Kindly furnish all comments or queries to Prime Resources (prime@resources.co.za) by **9 September 2021**. All comments raised during the Scoping phase will be captured in the final Scoping Report to be submitted to the DMRE.

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Louise Jones
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Louise Jones

From: Louise Jones
Sent: 10 August 2021 10:47
To: Jonathan van de Wouw
Subject: NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine
Attachments: Tawana Hotazel Mine BID Scoping Phase-compressed.pdf; Tawana Hotazel Mine Scoping Report_compressed.pdf

Tracking:	Recipient	Delivery	Read
	Jonathan van de Wouw	Delivered: 10/08/2021 10:47	Read: 10/08/2021 11:54
	'Zandri.Hill@abo-wind.com'		
	'dale@cape-eaprac.co.za'		
	'Tshifhiwa.ravele@assmang.co.za'		
	'Bonolo.Lekwa@assmang.co.za'		
	'mnariansamy@slrconsulting.com'		
	'seneoseleka@yahoo.com'		
	'Fouriedawie3@gmail.com'		
	'tbhenguo@umk.co.za'		
	'danie.lourens@umk.co.za'		
	'nomadlozi.mashinini@kmr.co.za'		
	'schalkvdm@webmail.co.za'		
	'yoland.prinsloo@bhpbilliton.com'		
	'sekretaris@agrikur.co.za'		
	'hotazeltrucktors@gmail.com'		
	'Fouriedawie2@gmail.com'		
	'classengert@gmail.com'		
	'admin@klk.co.za'		
	'arnold@klk.co.za'		
	'hotazel@klk.co.za'		
	'schalkvdm@webmail.co.za'		
	'vandermerwe@asiaminerals.com'		
	'wessanc@yahoo.com'		
	'info@birdlife.org.za'		

Dear Interested and Affected Party

The Dept. of Mineral Resources and Energy (DMRE) has accepted an application for a mining right made by Tawana Hotazel Mining (Pty) Ltd (THM) in terms of S22 of the Mineral and Petroleum Resources Development Act, 2002 (MPRDA), to mine manganese and associated minerals over two farms (Hotazel 280 and York 279) located approximately 1 km south-east of the town of Hotazel in the Joe Morolong Local Municipality, Northern Cape Province.

THM is applying for Environmental Authorisation (EA) in terms of S24 of the National Environmental Management (NEM) Act, 1998, the 2014 EIA Regulations (as amended) and the NEM: Waste Act, 2008 for proposed mining and associated activities and infrastructure incl. activities: 14, 21F, 24, 27 and 56 of LN1 (GNR983); 6 and 17 of LN2

(GNR984) and 7, 10 and 11 of Category B of GNR921 (list of Waste Management Activities). A Scoping and EIA process will be followed and all documentation will be submitted to the competent authority (DMRE) for approval.

THM is also applying for a Water Use Licence (WUL) from the Dept. of Water and Sanitation in terms of S40 of the National Water Act, 1998 for water uses to be undertaken in terms of S21 incl. mine dewatering, dust suppression, product stockpiling, mine residue handling and disposal and facilities for the separation and handling of clean and dirty water incl. pollution control dams, trenches and berms.

Prime Resources (Pty) Ltd has been appointed as the Environmental Assessment Practitioner in terms of S12 of the NEM Act to facilitate the above processes.

OPPORTUNITY TO COMMENT

In terms of S41(2)(b)(v), the EAP is required to give written notice of the application to any organ of state having jurisdiction in respect of any aspect of the activity. Therefore, as an identified Stakeholder, please refer to the attached Scoping Report and Background Information Document (BID) for more information regarding the project. The uncompressed Scoping Report as well as the appendices are available for download from the Prime Resources website (www.resources.co.za).

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Kindly furnish all comments or queries to Prime Resources (prime@resources.co.za) by **9 September 2021**. All comments raised during the Scoping phase will be captured in the final Scoping Report to be submitted to the DMRE. Please feel free to forward this email to other individuals or organisations who may be considered potential IAPs.

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Kind Regards

Louise Jones
Senior Environmental Scientist

T: +27 11 447 4888
F: +27 86 604 2219
E: louise@resources.co.za



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APPENDIX 6.6
COPIES OF THE COMMENTS RECEIVED
AND RESPONDED TO DURING THE
SCOPING PHASE PUBLIC
PARTICIPATION PROCESS

Louise Jones

From: Dale Holder <dale@cape-eaprac.co.za>
Sent: 10 August 2021 11:08
To: Louise Jones; Jonathan van de Wouw
Subject: RE: NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine

Follow Up Flag: Follow up
Flag Status: Flagged

Thank you Louise.

I confirm receipt of the notification.

Best Regards,

Dale Holder | 082 448 9225
SENIOR CONSULTANT | ECO | GIS
Ndip Nat. Con. (Pretoria Tech)

T: 044 874 0365
F: 044 874 0432
17 Progress Street, George
PO Box 2070, George 6530



From: Louise Jones <louise@resources.co.za>
Sent: 10 August 2021 10:47 AM
To: Jonathan van de Wouw <jonathan@resources.co.za>
Subject: NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine

Dear Interested and Affected Party

The Dept. of Mineral Resources and Energy (DMRE) has accepted an application for a mining right made by Tawana Hotazel Mining (Pty) Ltd (THM) in terms of S22 of the Mineral and Petroleum Resources Development Act, 2002 (MPRDA), to mine manganese and associated minerals over two farms (Hotazel 280 and York 279) located approximately 1 km south-east of the town of Hotazel in the Joe Morolong Local Municipality, Northern Cape Province.

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Kind Regards

Louise Jones
Senior Environmental Scientist

T: +27 11 447 4888
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E: louise@resources.co.za



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Louise Jones

From: Louise Jones
Sent: 10 August 2021 13:11
To: John Geeringh
Cc: Jonathan van de Wouw
Subject: RE: NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine
Attachments: Proposed Tawana Hotazel Mine.kmz

Good afternoon John

Thank you for your response, the content of which is noted.

As requested, please find attached a KMZ showing the proposed footprint of the mine.

Kind Regards
Louise

From: John Geeringh <GeerinJH@eskom.co.za>
Sent: 10 August 2021 13:00
To: Louise Jones <louise@resources.co.za>
Subject: RE: NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine

Please send me a KMZ file of the proposed mining area. Please find attached Eskom requirements for works at or near Eskom infrastructure and servitudes. Eskom is planning major network expansion in the Hotazel area for the future and would like to check how this may impact on such development. Eskom has previously received authorisation for route corridors in the area.

Kind regards

John Geeringh (Pr Sci Nat) Reg. EAP (EAPASA)
Senior Consultant Environmental Management
Grid Planning: Land and Rights
Eskom Transmission Division
Megawatt Park, D1Y42, Maxwell Drive, Sunninghill, Sandton.
P O Box 1091, Johannesburg, 2000.
Tel: 011 516 7233
Cell: 083 632 7663
Fax: 086 661 4064
E-mail: john.geeringh@eskom.co.za



From: Louise Jones <louise@resources.co.za>
Sent: Tuesday, 10 August 2021 10:30

To: Khahliso Makale <MakaleKM@eskom.co.za>; Nomzamo Mdunyelwa <MdunyeNC@eskom.co.za>; John Geeringh <GeerinJH@eskom.co.za>; Pienaar@eskom.co.za

Cc: Jonathan van de Wouw <jonathan@resources.co.za>

Subject: [CAUTION:EXTERNAL EMAIL] - NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine

Dear Interested and Affected Party

The Dept. of Mineral Resources and Energy (DMRE) has accepted an application for a mining right made by Tawana Hotazel Mining (Pty) Ltd (THM) in terms of S22 of the Mineral and Petroleum Resources Development Act, 2002 (MPRDA), to mine manganese and associated minerals over two farms (Hotazel 280 and York 279) located approximately 1 km south-east of the town of Hotazel in the Joe Morolong Local Municipality, Northern Cape Province.

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Prime Resources (Pty) Ltd has been appointed as the Environmental Assessment Practitioner in terms of S12 of the NEM Act to facilitate the above processes.

OPPORTUNITY TO COMMENT

In terms of S41(2)(b)(v), the EAP is required to give written notice of the application to any organ of state having jurisdiction in respect of any aspect of the activity. Therefore, as Eskom, please refer to the attached Scoping Report and Background Information Document (BID) for more information regarding the project. The uncompressed Scoping Report as well as the appendices are available for download from the Prime Resources website (www.resources.co.za).

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Kind Regards

Louise Jones
Senior Environmental Scientist

T: +27 11 447 4888

F: +27 86 604 2219

E: louise@resources.co.za



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Louise Jones

From: Louise Jones
Sent: 12 August 2021 15:05
To: Lizell Stroh
Cc: Jonathan van de Wouw
Subject: RE: NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine

Good day Lizell

Thank you for your response. The information will be shared with Tawana Hotazel Mining (Pty) Ltd.

We will be in contact should we require further assistance.

Kind Regards
Louise

From: Lizell Stroh <Strohl@caa.co.za>
Sent: 10 August 2021 12:10
To: Louise Jones <louise@resources.co.za>
Cc: Jonathan van de Wouw <jonathan@resources.co.za>
Subject: RE: NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine

Good day Louise, please find an extract to the SACAA Regulations to Obstructions (obstacles) towards Aviation operations, find some guidance documentation for your information.

Please follow the Obstacle application procedure as Part 139.01.30 extract Regulation, guide and the said Mine falls within the criteria ad structures proposed requires approval.

<http://www.caa.co.za/Pages/Obstacles/Urgent-notice.aspx>

<http://www.caa.co.za/Obstacles%20Forms/CA139-27.pdf>

kind regards



Lizell Stroh
Obstacle Inspector
PANS-OPS Section
Air Navigation Services Department
Tel: +27 11 545 1232 | **Mobile:** +27 083 461 6660
Email: Strohl@caa.co.za | www.caa.co.za
Foll us on    



“We spend most of our waking lives at work, so it's important that we do what we love and love what we do.”

Richard Branson

From: Louise Jones <louise@resources.co.za>

Sent: Tuesday, 10 August 2021 10:35

To: Lizell Stroh <Strohl@caa.co.za>

Cc: Jonathan van de Wouw <jonathan@resources.co.za>

Subject: NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine

Dear Lizell Stroh

The Dept. of Mineral Resources and Energy (DMRE) has accepted an application for a mining right made by Tawana Hotazel Mining (Pty) Ltd (THM) in terms of S22 of the Mineral and Petroleum Resources Development Act, 2002 (MPRDA), to mine manganese and associated minerals over two farms (Hotazel 280 and York 279) located approximately 1 km south-east of the town of Hotazel in the Joe Morolong Local Municipality, Northern Cape Province.

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OPPORTUNITY TO COMMENT

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Kind Regards

Louise Jones
Senior Environmental Scientist

T: +27 11 447 4888

F: +27 86 604 2219

E: louise@resources.co.za



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Louise Jones

From: Louise Jones
Sent: 18 August 2021 08:50
To: Shalot Sekonko
Cc: PMakitla@environment.gov.za; Aulicia Maifo
Subject: RE: NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine

Dear Ms Sekonko

Thank you for your email.

We have updated our IAP database to include Ms Makitla and Ms Maifo.

Kind Regards

Louise Jones
Senior Environmental Consultant

T: +27 11 447 4888
F: +27 86 604 2219
E: louise@resources.co.za



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From: Shalot Sekonko <sekonkoshalot@gmail.com>
Sent: 18 August 2021 08:38
To: Louise Jones <louise@resources.co.za>
Cc: PMakitla@environment.gov.za; Aulicia Maifo <amaifo@environment.gov.za>
Subject: NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine

Dear Ms Jones

DFFE Directorate: Biodiversity Conservation hereby acknowledge receipt of the invitation to review and comment on the Scoping Report for the proposed Tawana Hotazel Mine. Kindly note that the project has been allocated to Ms Makitla and Ms Maifo (both copied on this email).

Please note: All Public Participation Process documents related to Biodiversity EIA review and any other Biodiversity EIA queries will be submitted to the Directorate: Biodiversity Conservation at
Email: BCAdmin@environment.gov.za for the attention of Mr Seoka Lekota.

Regards
Ms Sekonko

Louise Jones

From: Louise Jones
Sent: 16 August 2021 15:17
To: khakhane@gmail.com; bfisher@ncpg.gov.za; mlathat@yahoo.com; CGoA
Cc: Jonathan van de Wouw
Subject: RE: Air Quality Comments Tawana

Good afternoon Mr Khakhane

Thank you for your email and the comments from the Department Environment & Nature Conservation, Air Quality & Climate Change Unit. These will be incorporated into the Final Scoping Report to be submitted to the DMRE and will also be addressed in the Phase 2 EIA Air Quality study.

Kind Regards

Louise Jones
Senior Environmental Consultant

T: +27 11 447 4888
F: +27 86 604 2219
E: louise@resources.co.za



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From: david khakhane <khakhane@gmail.com>
Sent: 16 August 2021 12:34
To: Fern Smook <fern@resources.co.za>
Cc: BFisher <bfisher@ncpg.gov.za>; mlathat <mlathat@yahoo.com>; CGoA <cgoa@ncpg.gov.za>
Subject: Air Quality Comments Tawana

Greetings; Please find comments on the Tawana development in the Hotazel area.

A full air quality impact assessment specialist study must be undertaken (is required), the said area is already plagued by high levels of dust and particulates, and also based on the close proximity to receptor communities. The study should highlight assessment of potential health impact.

Air quality must be assessed not only for Tawana's individual contribution, but in terms of its additive contribution to baseline ambient air quality i.e. cumulative effects must be considered.

A comprehensive dust management plan (as per the NDCR 2013) must be developed and submitted to the department for approval, the plan should include all the phases of development from road construction to total ROM.

A dustfall monitoring programme must be clearly outlined as per section 4 & 5 of the NDCR 2013; and a reporting regime established.

NAEIS registration and reporting must be established and undertaken.

Thanking you in advance

--

Thank You, Kind Regards..... 

GREATER IS COMING

David Khakhane
Department Environment
& Nature Conservation.
Air Quality & Climate Change Unit
90 Long Street, Kimberley, 8301
053 8077497 / 0795253853

Louise Jones

From: Louise Jones
Sent: 23 August 2021 10:10
To: botshwanomokgwabone@gmail.com
Cc: Jonathan van de Wouw
Subject: RE: Registering as Affected Party

Good day Mrs B.G.Mokgwabone

We hereby acknowledge receipt of your email and confirm that you have been added to the Interested and Affected Party (IAP) database for the Tawana Hotazel Mining Project.

Your dispute letter will be sent to Tawana Hotazel Mining (Pty) Ltd for their consideration.

Kind Regards

Louise Jones
Senior Environmental Consultant

T: +27 11 447 4888
F: +27 86 604 2219
E: louise@resources.co.za



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From: Botshwano Mokgwabone <botshwanomokgwabone@gmail.com>
Sent: 22 August 2021 17:02
To: Fern Smook <fern@resources.co.za>
Subject: Registering as Affected Party

Dear Sir/ Madam

Please find attached letter with corrected date

I hope you find this in order

B.G. Mokgwabone
Cell Number 0723350444

Equiries: Mr K.L Tshwenyane
Cell Number: 060 915 0203 /0723350444
Email: botshwanomokgwabone@gmail.com

Tsineng Village
Private Bag x526
Kuruman
8460
10 August 2021

Lodging a dispute against mining on the farms claimed by Tsineng Community

Tsineng Communal Property Association (CPA), Tsineng Community together with Tsineng Chieftainship under Kgosi T.Shuping is lodging a dispute regarding mining on the following farms: Hotazel 280 and York 279 by Tawana Hotazel Mining (Pty) Ltd.

The above farms have already been claimed by CPA Chairperson Mr Kenyaditse Looseboy Tshwenyane on behalf of Tsineng Community on 14 December 1998

The Tsineng CPA, Tsineng Community and Chieftainship is requesting meeting with Tawana Hotazel Mining (Pty) Ltd.

I hope you find this in order

B.G.Mokgwabone (Mrs)

Cell Number 0723350444

botshwanomokgwabone@gmail.com

Louise Jones

From: Jonathan van de Wouw
Sent: 01 September 2021 11:52
To: botshwanomokgwabone@gmail.com
Cc: Louise Jones
Subject: RE: Registering as Affected Party
Attachments: Letter to Tsineng Village.pdf

Importance: High

Good day

We kindly draw your attention to the attached response from the Applicant, Tawana Hotazel Mining, in response to matters raised in your below correspondence.

Kind Regards

Jonathan van de Wouw
Principal Environmental Consultant
Reg. EAP (EAPASA) No 2019/909

T: +27 11 447 4888
F: +27 86 604 2219
E: jonathan@resources.co.za



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From: Botshwano Mokgwabone <botshwanomokgwabone@gmail.com>
Sent: 22 August 2021 17:02
To: Fern Smook <fern@resources.co.za>
Subject: Registering as Affected Party

Dear Sir/ Madam

Please find attached letter with corrected date

I hope you find this in order

B.G. Mokgwabone
Cell Number 0723350444



Tawana Mining Hotazel

11 Beyers Naude Drive, Montgomery Park, Johannesburg, Gauteng, 2195
Tel: + 27 11 782 4322 Fax: + 27 11 782 3401
Company Registration: 2019/384957/07

Tsineng Village
Private Bag x526
Kuruman
8460

1 September 2021

By email: botshwanomokgwabone@gmail.com

Attention: Mrs B G Mokgwabone

RE: Lodging a dispute against mining on the farms claimed by Tsineng Community

1. We refer to your letter dated 10 August 2021 and the cover page of the Land Claim Research Project research document attached thereto as received by email addressed to the Environmental Assessment Practitioner on 22 August 2021.
2. Current use of- and access to- the properties in question by Tawana Hotazel Mining for the current exploration and planned future mining activities are subject to a Land-Use and Access Agreement with the landowner as reflected on the Title Deeds T3049/2010 and T2426/2010.
3. It is therefore kindly requested that you please direct all future correspondence regarding your land claim to the landowner.
4. We hope you find the above in order.

Kind regards

Hlogi Kgothadi
Legal and Compliance Officer

SAHRIS

[MyDashboard](#) [Explore](#) [Create](#) [Calendar](#) [Maps](#) [Help](#)

A message has been sent to [natasha.higgitt](#).

SAHRIS Case ID 16938

Between you and [natasha.higgitt](#)

[natasha.higgitt](#) Sep 3

Good afternoon,

Please note that an Interim Comment has been issued on SAHRIS Case ID 16938. Please see link to the case.

Kind regards,
Natasha Higgitt

CaseReference:

[Mining Right Application and Environmental Authorisation process on farm Hotazel 280 and York 279](#)

Add message to tracker:

You 45 min ago

Good morning Natasha

Thank you for your Interim Comment, the content of which is noted.

As requested, please note that the PIA report has been uploaded to SAHRIS, together with the Phase 1 HIA report for review and comment.

In terms of the age and significance of the "historical Hotazel Manganese Mine (HMM)" and associated historical mining structures within the proposed development area, further detail is provided in the Phase 1 HIA report, which included a field-survey.

We also note that further comments will be issued by SAHRA upon receipt of the above reports and the draft EIA inclusive of appendices. We will upload the draft EIA and appendices to SAHRIS at the start of the second public participation period.

Kind Regards
Louise Jones

CaseReference:

[Mining Right Application and Environmental Authorisation process on farm Hotazel 280 and York 279](#)

Add message to tracker:

[natasha.higgitt](#) 40 min ago

Good morning,

I take note of the above. I will change the status of the case to Studies Pending. Once the draft EIA and appendices have been uploaded, please change the status of the case to SUBMITTED or Studies Submitted. Further comments will be issued when this is completed.

Kind regards,
Natasha Higgitt

Add message to tracker:

You 7 sec ago

Good morning Natasha

Thank you and noted, we will do so. The draft EIA will likely be made available in January/ February 2022.

Kind Regards
Louise Jones

CaseReference:

[Mining Right Application and Environmental Authorisation process on farm Hotazel 280 and York 279](#)

Add message to tracker:

Reply

CaseReference

ADD ANOTHER ITEM

Message

Add message to tracker

After the message is send, automatically create Case Tracking with message content.

Chat (10)

Our Ref:



an agency of the
Department of Arts and Culture

T: +27 21 462 4502 | F: +27 21 462 4509 | E: info@sahra.org.za
South African Heritage Resources Agency | 111 Harrington Street | Cape Town
P.O. Box 4637 | Cape Town | 8001
www.sahra.org.za

Enquiries: Natasha Higgitt
Tel: 021 462 4502
Email: nhiggitt@sahra.org.za
CaseID: 16938

Date: Friday September 03, 2021
Page No: 1

Interim Comment

In terms of Section 38(3), 38(8) of the National Heritage Resources Act (Act 25 of 1999)

Attention: Tawana Hotazel Mining (Pty) Ltd

The proposed Tawana Hotazel Mine (THM) is located approximately 1 km south-east of the town of Hotazel in the Northern Cape Province. The THM largely incorporates the historical Hotazel Manganese Mine (HMM), including the residual opencast void, surface dumps of low-grade material and the mothballed processing plant and rail loadout facility. HMM stopped production in 1989. The area was historically mined by both opencast and underground means and yielded high grade manganese ore. All current plans for the project specifically exclude underground mining. The overall area applied for is approximately 154 Ha (inclusive of the MR application area and access road). Surface infrastructure will include the opencast pit (incorporating the historical HMM void and further expansion of the opencast footprint), in-pit waste dumps (residue material), surface residue handling / storage, vehicle yard, workshop, access and haul roads, offices, stores, processing plant for the crushing and screening of mined ore, product stockpile area, run of mine pad, refuel bay and water management infrastructure.

Prime Resources (Pty) Ltd has been appointed by Tawana Hotazel Mining (Pty) Ltd to conduct an Environmental Authorisation (EA) Application for proposed mining activities on portion of portion 1 (RE) of the farm York A 279 and RE Farm Hotazel 280 (Portion of RE), near Hotazel, Northern Cape Province (NC 30/5/1/2/2/10197MR).

A draft Scoping Report (DSR) has been submitted in terms of the National Environmental Management Act, 1998 (NEMA) and the 2017 EIA Regulations for activities that trigger the Mineral and Petroleum Resources Development Act, 2002 (MPRDA)(As amended). The proposed mining activities incorporate the historical Hotazel Manganese Mine. Surface infrastructure will include the open cast pit, in-pit waste dumps, surface residue handling/storage, vehicle yard, workshop, access and haul roads, widening of existing access roads, offices, stores, processing plant, product stockpile area, run of mine pad, refuel bay and water management infrastructure.

Archaetnos Culture and Cultural Resource Consultants has been appointed to provide heritage specialist input into the EA process as required by section 24(4)b(iii) of NEMA and section 38(8) of the National Heritage Resources Act, Act 25 of 1999 (NHRA).

Our Ref:



an agency of the
Department of Arts and Culture

T: +27 21 462 4502 | F: +27 21 462 4509 | E: info@sahra.org.za
South African Heritage Resources Agency | 111 Harrington Street | Cape Town
P.O. Box 4637 | Cape Town | 8001
www.sahra.org.za

Enquiries: Natasha Higgitt
Tel: 021 462 4502
Email: nhiggitt@sahra.org.za
CaseID: 16938

Date: Friday September 03, 2021
Page No: 2

Van Vollenhoven, A. C. 2020. Baseline Report for the Heritage Impact Assessment related to the Proposed Tawane Hotazel Mine, Northern Cape Province.

The desktop study found that heritage in the surrounding area includes highly significant Stone Age sites, historical structures associated with colonial settlements and early mining activities, and graves. The proposed mining area is almost entirely disturbed and thus no finds are expected. A Chance Finds Procedure is recommended.

The draft Scoping report refers to a Palaeontological Impact Assessment (PIA), however, no assessment has been submitted to SAHRA for review and comment.

Interim Comment

The SAHRA Archaeology, Palaeontology and Meteorites (APM) Unit notes submitted HIA, however requested clarity on the age and significance of the "historical Hotazel Manganese Mine (HMM)" and any associated historical mining structures within the proposed development area. If the historical HMM proves to be defined as a heritage resource, a revised HIA inclusive of field-survey must be conducted as part of the DEIA phase of the EA application process.

The conducted PIA must be submitted to SAHRA for review and comment.

Further comments will be issued upon receipt of the above requested reports and the draft EIA inclusive of appendices.

Should you have any further queries, please contact the designated official using the case number quoted above in the case header.

Yours faithfully

Natasha Higgitt
Heritage Officer

**Mining Right Application and Environmental Authorisation process on farm
Hotazel 280 and York 279**

Our Ref:



an agency of the
Department of Arts and Culture

T: +27 21 462 4502 | F: +27 21 462 4509 | E: info@sahra.org.za
South African Heritage Resources Agency | 111 Harrington Street | Cape Town
P.O. Box 4637 | Cape Town | 8001
www.sahra.org.za

Enquiries: Natasha Higgitt
Tel: 021 462 4502
Email: nhiggitt@sahra.org.za
CaseID: 16938

Date: Friday September 03, 2021
Page No: 3

South African Heritage Resources Agency

Phillip Hine
Manager: Archaeology, Palaeontology and Meteorites Unit
South African Heritage Resources Agency

ADMIN:

Direct URL to case: <https://sahris.sahra.org.za/node/579757>
(DMR - NC, Ref: NC 30/5/1/2/2/10197MR)

Louise Jones

From: Louise Jones
Sent: 13 August 2021 10:24
To: Chinasamy, Dennis; Mooya, Alex; Chetty, Yogen
Cc: Jonathan van de Wouw; Tebogo Louw; Mahlogonolo Kgothadi
Subject: RE: NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine

Good day Dennis and Alex

Thank you for your responses and for circulating the documents to the relevant internal stakeholders.

We have updated our IAP database to remove Dennis and have included the various additional stakeholders as per your emails.

We await the comments from your team.

Kind Regards
Louise

From: Chinasamy, Dennis <dennis.chinasamy@south32.net>
Sent: 12 August 2021 16:43
To: Mooya, Alex <Alex.Mooya@south32.net>; Louise Jones <louise@resources.co.za>; Chetty, Yogen <yogen.chetty@south32.net>
Cc: Jonathan van de Wouw <jonathan@resources.co.za>; Tebogo Louw <tebogo@sebiloresources.co.za>; Mahlogonolo Kgothadi <hlogi@sebiloresources.co.za>
Subject: RE: NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine

Hello Louise and team,

I acknowledge receipt of your email and confirm that I have forwarded the email on Tuesday, 10 August 2021 to my colleague Yogen Chetty. Yogen has replaced me as Manager HSER at South32 Manganese. I have transferred to another South32 Asset.

I have copied Yogen in this response and she will review the email.

Keep safe and well.

Regards
Dennis Chinasamy

From: Mooya, Alex
Sent: Thursday, August 12, 2021 4:10 PM
To: Louise Jones <louise@resources.co.za>; Chinasamy, Dennis <dennis.chinasamy@south32.net>
Cc: Jonathan van de Wouw <jonathan@resources.co.za>; Tebogo Louw <tebogo@sebiloresources.co.za>; Mahlogonolo Kgothadi <hlogi@sebiloresources.co.za>
Subject: RE: NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine

Dear Louise,

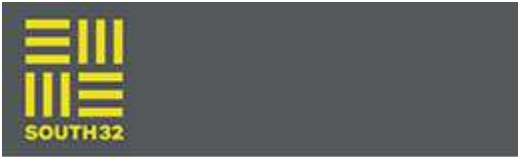
We acknowledge receipt of the email below and attached regarding the subject matter. It has been circulated to internal stakeholders as requested in the email below.

I will also peruse the attached documents and tender my comments before the due date.

Regards,

Alex Mooya
PAV(Reg.7371/0)

Principal: Mining & Property Rights Africa Region



39 Melrose Boulevard, Melrose Arch,
Johannesburg, 2076, South Africa

Mailto: alex.mooya@south32.net

Internet: <http://www.south32.net>

Phone: +27 11 376 2511

Mobile: +27 76 979 5713

Please consider the environment before printing this email

From: Louise Jones <louise@resources.co.za>

Sent: Tuesday, August 10, 2021 15:10

To: Chinasamy, Dennis <dennis.chinasamy@south32.net>; Mooya, Alex <Alex.Mooya@south32.net>

Cc: Jonathan van de Wouw <jonathan@resources.co.za>; Tebogo Louw <tebogo@sebiloresources.co.za>; Mahlogonolo Kgothadi <hlogi@sebiloresources.co.za>

Subject: NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine

Dear Dennis and Alex

As representatives, on behalf of the landowner of the farms Hotazel 280 and York 279, and further to correspondence provided to you on 30 July 2021 regarding the acceptance of the Mining Right application made by Tawana Hotazel Mining (Pty) Ltd (THM) over the aforementioned farms, we herewith invite you to review and comment on the attached Scoping Report and Background Information Document (BID) for more information regarding the project. The uncompressed Scoping Report as well as the appendices are available for download from the Prime Resources website (www.resources.co.za).

The public participation period for the Scoping phase will run from **10 August 2021 to 9 September 2021**. A second public participation period will be held for the Environmental Impact Assessment phase, estimated around January/February 2022. As registered IAPs, you will be notified of this as well.

Kindly furnish all comments or queries to Prime Resources (prime@resources.co.za) by **9 September 2021**. All comments raised during the Scoping phase will be captured in the final Scoping Report to be submitted to the DMRE.

Please feel free to distribute this email internally as necessary. Should you wish to be removed from the IAP database, please advise via email.

Disclaimer: In accordance with the POPI Act, No. 4 of 2013, information provided by IAPs will be processed by Prime Resources insofar as is necessary to fulfill the abovementioned legal obligations. For further information, please contact the EAP.

Kind Regards

Louise Jones
Senior Environmental Scientist

T: +27 11 447 4888

F: +27 86 604 2219
E: louise@resources.co.za



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Louise Jones

From: Louise Jones
Sent: 09 September 2021 14:38
To: Sigwebela, Wonder
Cc: Qamata, Xolani; McCarthy, James; Mooya, Alex; Makoele, Sylvia; Van de Merwe, Delaille; Kamwendo, Marko; Chetty, Yogen; Jonathan van de Wouw
Subject: RE: NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine...AM

Good afternoon Wonder

Thank you for your email, we hereby acknowledge receipt of your comments.

Your comments and concerns raised will be incorporated into the final Scoping Report to be submitted to the DMRE and will also be addressed within the EIA, to be made available at a later stage for your further review.

Kind Regards

Louise Jones
Senior Environmental Consultant

T: +27 11 447 4888
F: +27 86 604 2219
E: louise@resources.co.za



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From: Sigwebela, Wonder <Wonder.Sigwebela@south32.net>
Sent: 09 September 2021 14:20
To: Louise Jones <louise@resources.co.za>
Cc: Qamata, Xolani <Xolani.Qamata@south32.net>; McCarthy, James <James.McCarthy@south32.net>; Mooya, Alex <Alex.Mooya@south32.net>; Makoele, Sylvia <Sylvia.Makoele@south32.net>; Van de Merwe, Delaille <Delaille.Vandemerwe@south32.net>; Kamwendo, Marko <Marko.Kamwendo@south32.net>; Chetty, Yogen <yogen.chetty@south32.net>
Subject: RE: NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine...AM

Good afternoon Louise

Please receive our comments on your scoping report, as stated below. Spreadsheet document has all comments but I included your report where comments were made for clarity.

Regards
Wonder

From: Mooya, Alex <Alex.Mooya@south32.net>
Sent: Thursday, August 12, 2021 2:29 PM
To: Makoele, Sylvia <Sylvia.Makoele@south32.net>; Sigwebela, Wonder <Wonder.Sigwebela@south32.net>; Clark, Sharon <Sharon.Clark@south32.net>; Van de Merwe, Delaille <Delaille.Vandemerwe@south32.net>; Chaplin Da Silva, Britta (Quest) <Britta.ChaplinDaSilva@south32.net>
Cc: Qamata, Xolani <Xolani.Qamata@south32.net>; McCarthy, James <James.McCarthy@south32.net>; louise@resources.co.za
Subject: FW: NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine...AM

Dear All,

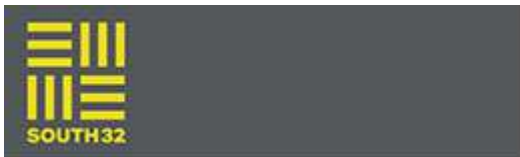
Email below and attached for your attention on the subject matter. We have up to 9 September 2021 to participate in the Scoping phase and EIA assessment phase estimated to be in Jan/Feb next year as per email below as a n IAP.

Your furnishing of all comments, concerns or queries to Louise Jones/Prime Resources (copied herein) should be done by 9 September 2021 therefore our timely attention to this will be highly appreciated.

Regards,

Alex Mooya
PAV(Reg.7371/0)

Principal: Mining & Property Rights Africa Region



39 Melrose Boulevard, Melrose Arch,
Johannesburg,2076, South Africa
Mailto alex.mooya@south32.net
Internet <http://www.south32.net>
Phone +27 11 376 2511
Mobile +27 76 979 5713

Please consider the environment before printing this email

From: Louise Jones <louise@resources.co.za>
Sent: Tuesday, August 10, 2021 15:10
To: Chinasamy, Dennis <dennis.chinasamy@south32.net>; Mooya, Alex <Alex.Mooya@south32.net>
Cc: Jonathan van de Wouw <jonathan@resources.co.za>; Tebogo Louw <tebogo@sebiloresources.co.za>; Mahlogonolo Kgothadi <hlogi@sebiloresources.co.za>
Subject: NOTICE OF SCOPING PHASE PUBLIC PARTICIPATION PROCESS | Proposed Tawana Hotazel Mine

Dear Dennis and Alex

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Kindly furnish all comments or queries to Prime Resources (prime@resources.co.za) by **9 September 2021**. All comments raised during the Scoping phase will be captured in the final Scoping Report to be submitted to the DMRE.

Please feel free to distribute this email internally as necessary. Should you wish to be removed from the IAP database, please advise via email.

Disclaimer: In accordance with the POPI Act, No. 4 of 2013, information provided by IAPs will be processed by Prime Resources insofar as is necessary to fulfill the abovementioned legal obligations. For further information, please contact the EAP.

Kind Regards

Louise Jones
Senior Environmental Scientist

T: +27 11 447 4888
F: +27 86 604 2219
E: louise@resources.co.za



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	<p>The uncompressed Scoping Report as well as the appendices are available for download from the Prime Resources website (www.resources.co.za). The public participation period for the Scoping phase will run from 10 August 2021 to 9 September 2021. A second public participation period will be held for the Environmental Impact Assessment phase, estimated around January/ February 2022. As registered IAPs, you will be notified of this as well. Kindly furnish all comments or queries to Prime Resources (prime@resources.co.za) by 9 September 2021. All comments raised during the Scoping phase will be captured in the final Scoping Report to be submitted to the DMRE.</p>		
#	Theme	Issue	Comments
1	Old mine infrastructure	Surface dumps of low-grade material	What exactly is within their MR? identify exact coordinates
		Mothballed processing plant	Where is it located exactly within their MR?
2	Proposed Mine layout _infrastructure	Weighbridge is not a listed activity but it will be nice to see its position as it is excluded from the mine layout plan provided Infrastructure seem to be proposed on top existing topsoil dump, is Tawana planning to relocate the dump and to	
3	Access roads and Traffic	1. Heavy vehicles route connection to DR3463 closed with the sand heap 2. Upgrade and expansion of the farm gravel road 3. R31 and DR3463	Removal of vegetation and trees for widening of excess road- is there an offsetting strategy for protected species Intersection is curving and poses high vehicles accidents in particular to road trucks that will be coming from mine site for the transportation of ore to Lohatla. Is Tawana looking into impact of traffic on big intersection?
		Light vehicles R31 intersection to Broadman road Hotazel	Currently high vehicle accident area and increase of vehicles intersecting during peak hours. Traffic impact?
	Noise	Project will generate nuisance noise (Blasting and mobile crushing and screening, Operational traffic, Product loading / hauling). mine and plant will operate on a continuous basis, with 330 working days per annum.	Hotazel town is fully occupied by mine workers and others working shifts and the noise from mining activities will have an impact on their sleeping patterns and fatigue recovery.
	Blasting	Blasting damage from ground vibration, air blast and fly rock. Committed blasting limitations ground vibration- max of peak particulate velocity of 6mm/s to the closest house Fly rock range- within a range of 300m radius Lesser sensitive or medium sensitivity is the 500 m to 1500 m reference area. The 1500m radius is considered as a range where influence may be less but still requires active monitoring.	Compensation strategy for possible building damages and injuries from fly rock How far is the closest house from a closest blasting block? How will it be monitored? What will be a blasting impact on Provest plant close to mine workings?
	Ore and processing	Due to the scarcity of water in the area, a dry processing plant was selected as the preferred option.	Will it not create more dust to nearby community?
	Dust	Dust generation from the following activities: 1. blasting 2. hauling roads 3. crushing and screening 4. Fines and stockpile area	What other controls are being considered other than suppression on hauling roads? Positioning location of product stockpiles and fines vs community houses direction? Dust exposure surveys within households to understand level of exposure and establishment of dust monitoring station to monitor PM10 due to sensitive receptors?
	Landfill area	Further expansion of pit	
		The municipal waste dump will remain in place due to factors regarding closure- and rehabilitation of the existing site, identifying a suitable alternative location and cost / permitting aspects entailed in closure and rehabilitation of both old- and new sites	When will S32 have to cease using landfill?
	Avifauna	It is likely the disturbance associated with the noise of the drilling equipment and the vehicle and pedestrian traffic at the prospecting site, may have temporarily displaced the eagles from the nest and the immediate area.	If it happens that during project execution phase an eagle is seen, how will it be captured and relocated?
	Electricity Supply	Mine reticulation will be provided at 11 kV from the Hotazel substation.	Capacity? Impact on Hotazel town? What are the time lines for the application approval and infrastructure installation with Eskom
	Water	Potable water will be supplied through the Vaal Gamagara water scheme via a bulk water meter, managed by Sedibeng Water; 370 m3 per day. Potable water to be used for processing plant and dust suppression Forced- water evaporation system to manage excess water	Potable water demand and supply impact on Hotazel operations and communities? It would be nice to see where the water pipeline from Gamagara will be joined, especially since there is infrastructure (Hotazel community) between open pit and pipeline. Where will evaporators be positioned and how big are they? Is any chance for them adding to noise? Excess water management through evaporation system- is it the best practical practice while there is water scarcity in the country and in the region?
	Sewage treatment plant	Access to the nearby sewerage works will be sought from HMM for human waste generated on site.	What happens if capacity of current sewage does not allow? Any discussion with S32 with regards to possible sewage accessing?
	Impacts Identified	Potential impact - Blasting damage from ground vibration, air blast and fly rock.	Vibration travels faster than noise and there is community next to the pit, why would its impact be minimal? Is there no chance of cracking sewage facility?
		Tawana Hotazel Mine Groundwater Study Baseline Report compiled by Future Flow Groundwater and Project Management (February 2021)	Can we have copy?

	Employment opportunities	Mine will employ approximately 177 people (inclusive of outsourced service providers).	Hotazel/Magobing/Magojaneng residents are the closest local community, how will they ensure local employment?
	Airstrip	Proposed THM is located within 8 km of the Hotazel Airstrip desktop analysis identified several existing structures within the 8 km of the aerodrome reference point which may be considered obstacles restricting the overhead movement of air traffic (including the processing plant, power lines, telecommunication tower, rail loadout facility railway structures)	What is mining impact? (blasting)?
	SLP	The THM SLP makes provision for the following proposed LED initiatives: <ul style="list-style-type: none"> • Enterprise Development • Refurbishment of Rural Village Infrastructure • Water Infrastructure Development 	Any opportunities for collaboration to be more impactful? Can we see plan and projects?

Louise Jones

From: Marielle Penwarden <Marielle.Penwarden@abo-wind.com>
Sent: 10 September 2021 08:41
To: Louise Jones
Cc: Jonathan van de Wouw; Zandri Hill
Subject: RE: Comment on the Draft Scoping Report for the proposed Tawana Hotazel Mine, Northern Province (Ref No.: NC 30/5/1/2/2/10197MR)

Thanks, Louise!

Warm regards

Marielle Penwarden

Project Manager

ABO Wind renewable energies (Pty) Ltd.
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Century City
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South Africa

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Company registration number 2018/062901/07 | Tax registration number 4370284061

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From: Louise Jones <louise@resources.co.za>
Sent: Friday, 10 September 2021 08:26
To: Marielle Penwarden <Marielle.Penwarden@abo-wind.com>; Zandri Hill <Zandri.Hill@abo-wind.com>
Cc: Jonathan van de Wouw <jonathan@resources.co.za>
Subject: RE: Comment on the Draft Scoping Report for the proposed Tawana Hotazel Mine, Northern Province (Ref No.: NC 30/5/1/2/2/10197MR)

Good morning Marielle

Thank you for your email, we hereby acknowledge receipt of your comments.

Your comments and concerns raised will be incorporated into the final Scoping Report to be submitted to the DMRE and will also be addressed within the EIA, to be made available at a later stage for your further review.

Kind Regards

Louise Jones
Senior Environmental Consultant

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From: Marielle Penwarden <Marielle.Penwarden@abo-wind.com>

Date: 09 September 2021 at 16:14:51 SAST

To: Fern Smook <fern@resources.co.za>

Cc: Zandri Hill <Zandri.Hill@abo-wind.com>

Subject: Comment on the Draft Scoping Report for the proposed Tawana Hotazel Mine, Northern Province (Ref No.: NC 30/5/1/2/2/10197MR)

To Whom it May Concern

Thank you for the notification regarding the availability of the Draft Scoping Report (DSR) for comment. This comment pertains to the potential adverse impacts that the abovementioned proposed mine could have on the Hotazel Solar PV facilities to the south/south-east of the site, for which two cadastral boundaries are shared. Kindly acknowledge receipt of this mail.

The proposed mine is indicated to be located a minimum of approximately 535m from the Hotazel Solar PV facilities, with the key mine components located nearby being the open-cast mining pits, in-pit dumps and the RoM pads. Activities at these areas could pose the following risks to the Hotazel Solar PV facilities:

- Damage to infrastructure as a result of vibrations, fly rock impact and/ explosions and fire; and
- Loss of/reduced power output by the PV panels as a result of dust and possible shading.

Therefore, the relevant aspects of the proposed mining activities can be divided into the following:

- Vibration;
- Dust;
- Shading;
- Other Risks; and

- Future Risks.

In terms of **vibration**, given that the Hotazel Solar PV facilities are within the 1500m “medium sensitivity” zone, please clarify the expected vibration anticipated at the property/ cadastral boundaries shared by the proposed mine and Hotazel Solar PV facilities. Furthermore, the vibration assessment must please explicitly confirm the risk of damage to the Hotazel solar facilities infrastructure as a result of vibrations caused by the proposed mine.

Please also include the following specification in the Operational Environmental Management Programme (EMPr):

- Vibration monitoring must be done at various points (the siting of the points to be recommended by the relevant specialist) along the shared cadastral boundaries and the results of the monitoring are to be regularly provided to a representative of ABO Wind Hotazel PV (Pty) Ltd and/or Hotazel Solar Facility 2 (Pty) Ltd, or whichever entity is operating the Hotazel solar facilities (as per whatever is relevant at the time).

In terms of **dust**, please confirm the anticipated maximum height of stockpiles in RoM and in-pit waste dumps, as well as the maximum height of all structures on site (this would also assist in providing relevant information in order to consider the potential for shading on the Hotazel Solar PV facilities).

The air quality impact must please address the impact of dust on the Hotazel solar facilities, particularly detailing the anticipated average volumes of dust that would reach the facilities during each season with and without the application of mitigation measures by the mine. It is important that the specialist confirms any monthly or seasonal variation in anticipated dust volumes (noting that the specialist would need to consider *inter alia*, seasonal variation in wind, humidity, rain and mining operations).

Please also include the following specification in the Operational Environmental Management Programme:

- Dust/air quality monitoring (specifically for dust) must be done at various points along the shared cadastral boundaries (the siting of the points to be recommended by the relevant specialist) and the results of the monitoring are to be regularly provided to a representative of ABO Wind Hotazel PV (Pty) Ltd and/or Hotazel Solar Facility 2 (Pty) Ltd, or whichever entity is operating the Hotazel solar facilities (as per whatever is relevant at the time).

The specifications in the Construction Environmental Management Programme must also include mitigation measures for dust, as well as the requirement that the contractor communicate (ahead of time) with ABO Wind Hotazel PV (Pty) Ltd and/or Hotazel Solar Facility 2 (Pty) Ltd / the Hotazel solar facilities operator (whichever is applicable at the time) when activities that would produce a lot of dust (e.g., excavations, blasting, etc.) are programmed to occur. These specifications must also require that stockpiles must be located as far from the property boundary of the Hotazel solar facilities as possible (the north-east corner of the site appears to have the fewest surrounding receptors, so that would be an adequate location).

Regarding **other risks**, the DSR does not describe much in the way of potential risks of fire and explosion (beyond vibrations and blasting), therefore, it is requested that the next report please provide a more detailed explanation of potential risks in this regard, preferably by providing a map/plan indicating the location within the proposed mine that these risk events are most likely to occur and what the risk zones associated with these components are. Ideally, a Major Hazard Installation (MHI) specialist would provide comment in this regard.

Lastly, as far as future risks are concerned, the Operational EMPr must include a specification whereby the mine operator is required to notify ABO Wind Hotazel PV (Pty) Ltd and/or Hotazel Solar Facility 2 (Pty) Ltd / the Hotazel solar facilities operator when potentially hazardous or risk components are added to the scope (for example, in an instance where the Applicant wishes to include ammonium nitrate prill and emulsion silos in future).

It is understood that there is more detail, supported by specialist impact assessment reports, forthcoming through the full Scoping and Environmental Impact Assessment (S&EIA) process, so it must be noted that we reserve our right to amend our comment as further information comes to light.

Thank you for the opportunity to comment and we look forward to seeing the issues raised addressed in the Environmental Impact Assessment Report (and relevant specialist reports).

Sincerely,

Marielle Penwarden

Project Manager

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Louise Jones

From: Louise Jones
Sent: 16 September 2021 09:09
To: PMakitla@environment.gov.za
Cc: Jonathan van de Wouw
Subject: RE: DSR Tawana Hotazel Mining

Good morning Portia

Thank you for your email, we hereby acknowledge receipt of your comments.

Your comments will be incorporated into and addressed in the EIA which will be made available at a later stage for your further review.

Kind Regards

Louise Jones
Senior Environmental Consultant

T: +27 11 447 4888
F: +27 86 604 2219
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From: Portia Makitla <PMakitla@environment.gov.za>
Sent: 15 September 2021 15:01
To: Fern Smook <fern@resources.co.za>
Cc: Aulicia Maifo <amaifo@environment.gov.za>
Subject: FW: DSR Tawana Hotazel Mining



Good day.

Kindly find the attached comments for consideration.



Portia Makitla
Biodiversity & Conservation
Department of Forestry, Fisheries & the Environment
Environment House · 473 Steve Biko Road· PRETORIA
Tel: 0123999411
Email: pmakitla@environment.gov.za



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forestry, fisheries & the environment

Department:
Forestry, Fisheries and the Environment
REPUBLIC OF SOUTH AFRICA

Private Bag X 447, Pretoria, 0001, Environment House, 473 Steve Biko Road, Pretoria, Tel: +27 12 399 9000, Fax: +27 86 625 1042

Reference: NC 30/5/1/2/2/10197MR

Enquiries: Ms. Aulicia Maifo/Mrs. Portia Makitla

Telephone: 012 399 9411/9627 **E-mail:** pmakitla@environment.gov.za

Louise Jones
Prime Resources (Pty) Ltd
P O Box 2316
PARKLANDS
2121

Telephone Number: (+27) 11 447 4888
Email Address: prime@resources.co.za

PER E-MAIL

Dear Sir/Madam

COMMENTS ON THE DRAFT SCOPING REPORT FOR THE PROPOSED TAWANA HOTAZEL MINING ON THE FARMS HOTAZEL 280 AND YORK 279 WITHIN THE JOE MOROLONG LOCAL MUNICIPALITY, NORTHERN CAPE PROVINCE

The Directorate: Biodiversity Conservation has reviewed and evaluated the aforementioned report.

According to the information provided in the Draft Scoping Report (DSR), the proposed development site falls within the Savanna Biome, in the Eastern Kalahari Bushveld Bioregion and the Kathu Bushveld vegetation type, which is considered to have a conservation status of Least Threatened. The site is also located in an area where there is limited natural vegetation due to the historical mining activities that were undertaken and it is not associated with Critical Biodiversity Areas or Ecological Support Areas.

Notwithstanding the above, the final Scoping Report must include the following as guidelines considered and ensure that the proposed project is in compliance with their requirements:

- All relevant provincial biodiversity plans;
- Permits from relevant authorities must be applied for and obtained, for the removal and translocation of the nationally or provincially protected species;
- Search and rescue plan for the identified Species of Conservation Concern (SCC) must be developed and submitted for approval;
- Erosion management plan and rehabilitation plan of natural vegetation must be developed to mitigate on habitat degradation and consider all phases of the development;
- Rehabilitation plan must include the ongoing monitoring and maintenance of the surrounding natural vegetation; and



Batho pele- putting people first

COMMENTS ON THE DRAFT SCOPING REPORT FOR THE PROPOSED TAWANA HOTAZEL MINING ON THE FARMS HOTAZEL 280 AND YORK 279 WITHIN THE JOE MOROLONG LOCAL MUNICIPALITY, NORTHERN CAPE PROVINCE

- Alien Invasive Plant (AIP) species Management and Control Plan must be designed and implemented to prevent further loss of floral habitat and diversity as AIPs displace native species.

NB: The Public Participation Process documents related to Biodiversity EIA for review and queries should be submitted to the Directorate: Biodiversity Conservation at Email; BCAdmin@environment.gov.za for attention of Mr. Seoka Lekota.

Yours faithfully



Mr Seoka Lekota
Control Biodiversity Officer Grade B: Biodiversity Conservation
Department of Forestry, Fisheries & the Environment
Date: 15/09/2021





mineral resources & energy

Department:
Minerals Resources and Energy
REPUBLIC OF SOUTH AFRICA

Private Bag X 6093, Kimberley, 8300, 41 Schimidtdrift Road
Ground Floor, old Telkom Building, Kimberley 8300 Tel: 053 807 1750 Fax: 053 832 5671
Email: Eugene.Nkatlholang@dmr.gov.za Ref No: NC 30/5/1/2/2/(10197)MR

From: Mineral Regulation

Enquiries: P. Nkatlholang

The Director

Tawana Hotazel Mining (Pty) Ltd
P. O. Box 48477
Roosevelt Park
2129

Attention: **Tebogo Louw**

APPLICATION FOR AN ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998 (ACT 107 OF 1998) AS AMMENDED ("NEMA") AND THE ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS, 2014 FOR THE PROPOSED MINING ACITIVITIES/ REMOVAL AND DISPOSAL OF MINERALS ON PORTION OF PORTION 1 OF THE FARM YORK A NO. 279, AND PORTION OF PORTION 1 OF THE FARM HOTAZEL NO. 280, SITUATED IN THE MAGISTERIAL DISTRICT OF KURUMAN, NORTHERN CAPE REGION.

The Final Scoping Report (FSR) and Plan of Study for Environmental Impact Assessment dated **13 September 2021** and received by the Department on **20 September 2021** refer.


1. The Department has evaluated the submitted FSR and Plan of Study for Environmental Impact Assessment dated **20 September 2021** and is satisfied that the documents comply with the minimum requirements of Appendix 2(2) of National Environmental Management Act, 1998 (as amended) (NEMA) Environmental Impact Assessment (EIA) Regulations, 2014. The SR is hereby accepted by the Department in terms of regulation 22(a) of the NEMA EIA Regulations, 2014.

2. You may proceed with the environmental impact assessment process in accordance with the tasks contemplated in the Plan of Study for Environmental Impact Assessment as required in terms of the NEMA EIA Regulations, 2014.
3. Please ensure that surrounding communities are given the opportunity to participate on the public participation process and the Draft Environmental Impact Assessment Report and is provided to the community representative for commenting purpose.
4. Please ensure that comments from all relevant stakeholders are submitted to the Department with the Environmental Impact Assessment Report (EIAR). This includes but not limited to the Provincial Heritage Resources Authority and/or South African Heritage Resources Agency, Provincial Environmental Department, Department of Agriculture, Forestry and Fisheries (DAFF), Department of Water and Sanitation (DWS), the local municipality, Local community structures (e.g Traditional Leaders, Ward Councillor's, SANCO, CPA). Proof of correspondence with the various stakeholders must be included in the EIAR. Should you be unable to obtain comments, proof of the attempts that were made to obtain comments should be submitted to the Department.
5. The applicant is hereby reminded to comply with the requirements of regulation 3 of the NEMA EIA Regulations, 2014 with regards to the period allowed for complying with the requirements of the Regulations.
6. Please ensure that the EIAR includes the A3 size locality maps of the area and illustrates the exact location of the proposed development. The maps must be of acceptable quality and as a minimum, have the following attributes:
 - Maps relatable to one another;
 - The flood line must be delineated on the topographical map;
 - Co-ordinates;
 - Legible legends;
 - Scale of 1:50000;
7. Further, it must be reiterated that, should an application for Environmental Authorisation be subjected to any permits or authorisations in terms of the

provisions of any Specific Environmental Management Acts (SEMAs), proof of such application will be required. You are hereby requested to submit, three (3) copies manually and one (1) electronic copy through SAMRAD, of an environmental impact assessment report and EMPr, inclusive of any specialist reports which have been subjected to the public participation process of at least 30 days incorporating the comments received, including all comments from the competent authority. Kindly refer to section 24N(2) of National Environmental Management Act, 1998 (Act 107 of 1998) as amended and Appendix 2, 4 and 6 of the EIA Regulations for the minimum requirements set for the aforementioned reports. The public participation process should be conducted as stipulated in chapter 6 of the EIA Regulations and taking into considerations any guideline applicable for public participation.

8. Kindly note that acceptance of your scoping report application does not grant you a right to commence with the listed activities applied for. Acceptance simply confirms that your application will be processed further and a recommendation on granting or refusal of an environmental authorisation will be forwarded to the Minister or his delegate for consideration, and the decision will be communicated as stipulated in regulation 4(1) of the EIA Regulations.
9. You should also note that commencement with a listed activity without an environmental authorisation contravenes the provisions of section 24F (1) of National Environmental Management Act, 1998 (Act 107 of 1998), as amended (NEMA) and constitutes an offence in terms of section 49A (1) (a) of NEMA.
10. Further note that in terms of regulation 45 of the EIA Regulations, your failure to submit the documents or meet any timeframes prescribed in terms of the said Regulations will result in your application deemed to have lapsed.
11. Your attention is brought to Section 24F of the NEMA which stipulates "that no activity may commence prior to an environmental authorisation being granted by the competent authority".

Yours faithfully



.....

REGIONAL MANAGER: MINERAL REGULATION

NORTHERN CAPE REGION

DATE: 05/10/2021

Louise Jones

From: telalo@reaagi.co.za
Sent: Tuesday, 05 October 2021 19:54
To: Jonathan van de Wouw; Louise Jones
Subject: FW: Provincial Road DR3463 - Kuruman to Severn
Attachments: Mine-Trucks Access Road Locality.pdf

Hi Jonathan and Louise,

FYI.

Regards,

Telalo

From: telalo@reaagi.co.za <telalo@reaagi.co.za>
Sent: Tuesday, October 5, 2021 7:34 PM
To: 'r.matsoso@vodamail.co.za' <r.matsoso@vodamail.co.za>
Cc: 'Danie Fourie' <danie@sebiloresources.co.za>; 'John Rutiri' <john@sebiloresources.co.za>
Subject: Provincial Road DR3463 - Kuruman to Severn

Good Evening Ntate Matsoso,

Our telephone discussion last week regarding road DR3463 refers.

Tawana Investment Holdings is in the process of applying for a mining right for a mine in Hotazel and plans to use DR3463 as an access road for trucks to the mine. Refer to the attached layout.

As confirmed during our discussion, road DR3463 is a provincial road, thus any proposed access to and from this road needs to be approved by the Provincial Department.

We will therefore undertake the designs for this access road in line with the Provincial requirements, and submit for approval.

We will confirm the timeframes in due course.

Regards,

Telalo Lekalake

P: 082 856 1167
E: telalo@reaagi.co.za

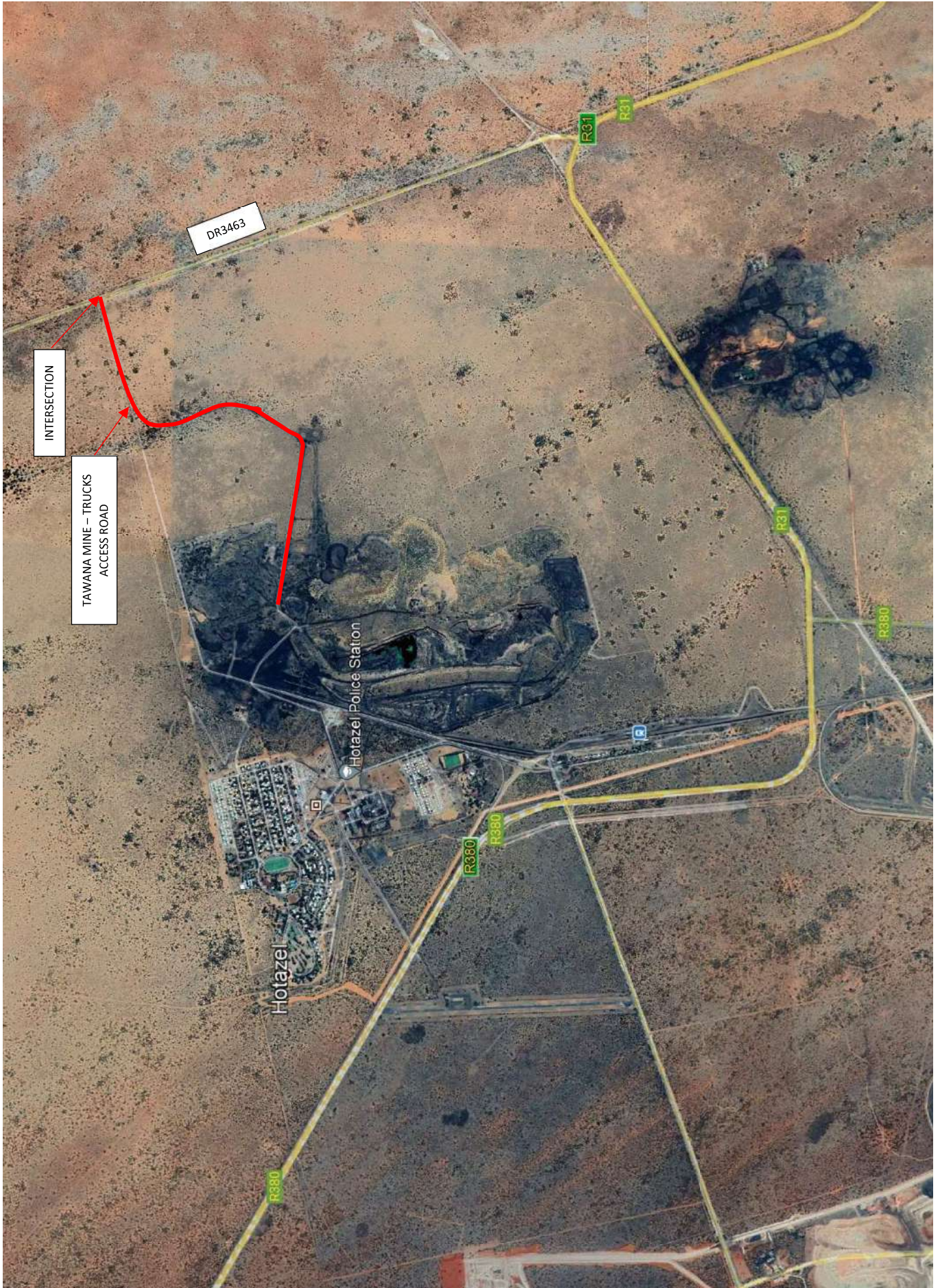


NORTHERN CAPE
8 Begonia Street
Kuruman
8460

GAUTENG
Vermont Park
Willow Ave
Craigavon
Fourways, JHB
2191

NORTH-WEST
1313 Monoane Zebediele Ave
Montshiwa
Mahikeng
2737





DR3463

INTERSECTION

TAWANA MINE - TRUCKS
ACCESS ROAD

Hotazel Police Station

Hotazel

R331

R31

R31

R380

R380

R380

R380

R

Louise Jones

From: Louise Jones
Sent: 16 September 2021 09:09
To: PMakitla@environment.gov.za
Cc: Jonathan van de Wouw
Subject: RE: DSR Tawana Hotazel Mining

Good morning Portia

Thank you for your email, we hereby acknowledge receipt of your comments.

Your comments will be incorporated into and addressed in the EIA which will be made available at a later stage for your further review.

Kind Regards

Louise Jones
Senior Environmental Consultant

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F: +27 86 604 2219
E: louise@resources.co.za



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From: Portia Makitla <PMakitla@environment.gov.za>
Sent: 15 September 2021 15:01
To: Fern Smook <fern@resources.co.za>
Cc: Aulicia Maifo <amaifo@environment.gov.za>
Subject: FW: DSR Tawana Hotazel Mining



Good day.

Kindly find the attached comments for consideration.



Portia Makitla
Biodiversity & Conservation
Department of Forestry, Fisheries & the Environment
Environment House · 473 Steve Biko Road· PRETORIA
Tel: 0123999411
Email: pmakitla@environment.gov.za



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forestry, fisheries & the environment

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Reference: NC 30/5/1/2/2/10197MR

Enquiries: Ms. Aulicia Maifo/Mrs. Portia Makitla

Telephone: 012 399 9411/9627 **E-mail:** pmakitla@environment.gov.za

Louise Jones
Prime Resources (Pty) Ltd
P O Box 2316
PARKLANDS
2121

Telephone Number: (+27) 11 447 4888
Email Address: prime@resources.co.za

PER E-MAIL

Dear Sir/Madam

COMMENTS ON THE DRAFT SCOPING REPORT FOR THE PROPOSED TAWANA HOTAZEL MINING ON THE FARMS HOTAZEL 280 AND YORK 279 WITHIN THE JOE MOROLONG LOCAL MUNICIPALITY, NORTHERN CAPE PROVINCE

The Directorate: Biodiversity Conservation has reviewed and evaluated the aforementioned report.

According to the information provided in the Draft Scoping Report (DSR), the proposed development site falls within the Savanna Biome, in the Eastern Kalahari Bushveld Bioregion and the Kathu Bushveld vegetation type, which is considered to have a conservation status of Least Threatened. The site is also located in an area where there is limited natural vegetation due to the historical mining activities that were undertaken and it is not associated with Critical Biodiversity Areas or Ecological Support Areas.

Notwithstanding the above, the final Scoping Report must include the following as guidelines considered and ensure that the proposed project is in compliance with their requirements:

- All relevant provincial biodiversity plans;
- Permits from relevant authorities must be applied for and obtained, for the removal and translocation of the nationally or provincially protected species;
- Search and rescue plan for the identified Species of Conservation Concern (SCC) must be developed and submitted for approval;
- Erosion management plan and rehabilitation plan of natural vegetation must be developed to mitigate on habitat degradation and consider all phases of the development;
- Rehabilitation plan must include the ongoing monitoring and maintenance of the surrounding natural vegetation; and



Batho pele- putting people first

COMMENTS ON THE DRAFT SCOPING REPORT FOR THE PROPOSED TAWANA HOTAZEL MINING ON THE FARMS HOTAZEL 280 AND YORK 279 WITHIN THE JOE MOROLONG LOCAL MUNICIPALITY, NORTHERN CAPE PROVINCE

- Alien Invasive Plant (AIP) species Management and Control Plan must be designed and implemented to prevent further loss of floral habitat and diversity as AIPs displace native species.

NB: The Public Participation Process documents related to Biodiversity EIA for review and queries should be submitted to the Directorate: Biodiversity Conservation at Email; BCAdmin@environment.gov.za for attention of Mr. Seoka Lekota.

Yours faithfully



Mr Seoka Lekota
Control Biodiversity Officer Grade B: Biodiversity Conservation
Department of Forestry, Fisheries & the Environment
Date: 15/09/2021



Louise Jones

From: telalo@reaagi.co.za
Sent: Tuesday, 05 October 2021 19:54
To: Jonathan van de Wouw; Louise Jones
Subject: FW: Provincial Road DR3463 - Kuruman to Severn
Attachments: Mine-Trucks Access Road Locality.pdf

Hi Jonathan and Louise,

FYI.

Regards,

Telalo

From: telalo@reaagi.co.za <telalo@reaagi.co.za>
Sent: Tuesday, October 5, 2021 7:34 PM
To: 'r.matsoso@vodamail.co.za' <r.matsoso@vodamail.co.za>
Cc: 'Danie Fourie' <danie@sebiloresources.co.za>; 'John Rutiri' <john@sebiloresources.co.za>
Subject: Provincial Road DR3463 - Kuruman to Severn

Good Evening Ntate Matsoso,

Our telephone discussion last week regarding road DR3463 refers.

Tawana Investment Holdings is in the process of applying for a mining right for a mine in Hotazel and plans to use DR3463 as an access road for trucks to the mine. Refer to the attached layout.

As confirmed during our discussion, road DR3463 is a provincial road, thus any proposed access to and from this road needs to be approved by the Provincial Department.

We will therefore undertake the designs for this access road in line with the Provincial requirements, and submit for approval.

We will confirm the timeframes in due course.

Regards,

Telalo Lekalake

P: 082 856 1167
E: telalo@reaagi.co.za

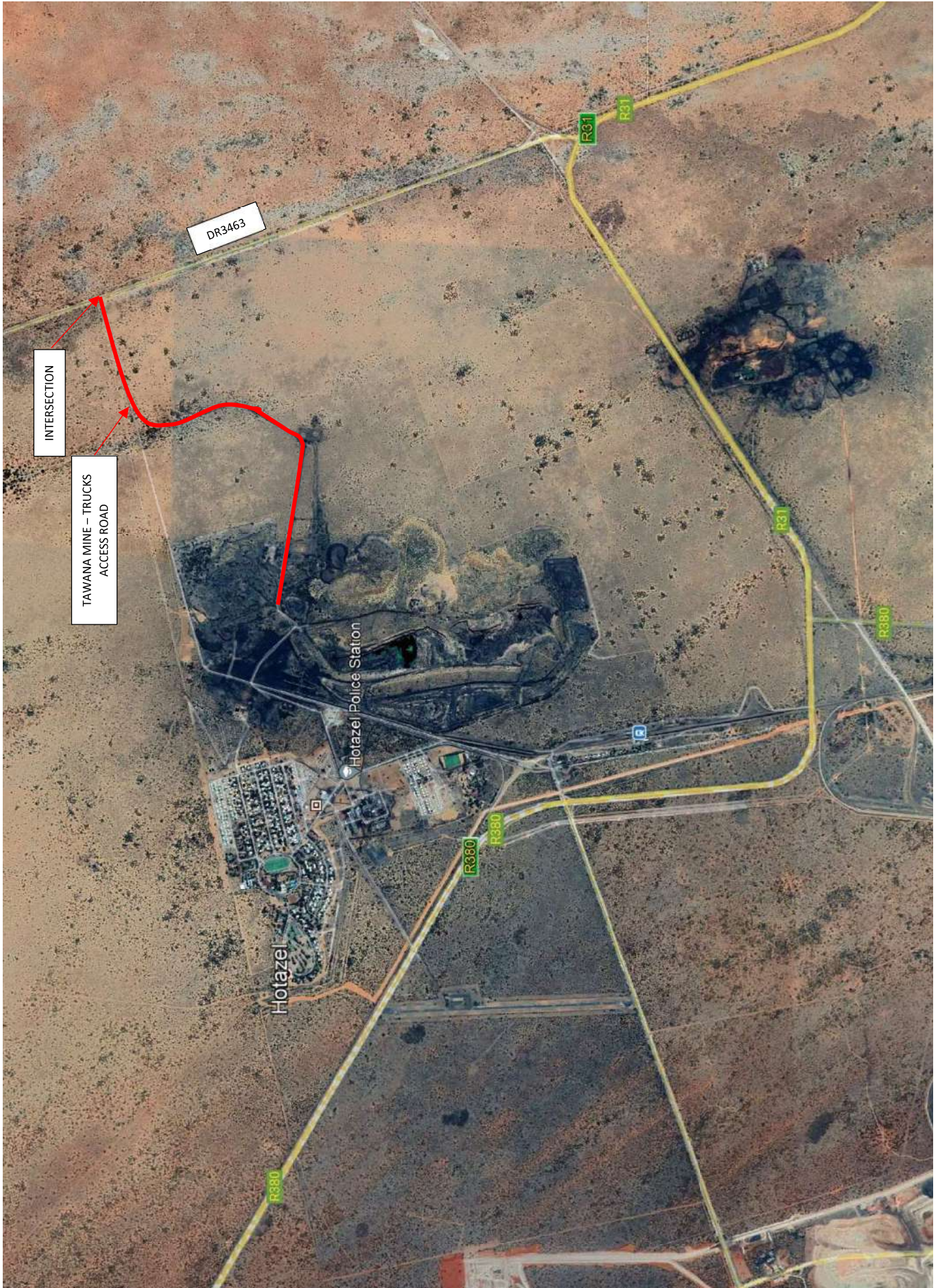


NORTHERN CAPE
8 Begonia Street
Kuruman
8460

GAUTENG
Vermont Park
Willow Ave
Craigavon
Fourways, JHB
2191

NORTH-WEST
1313 Monoane Zebediele Ave
Montshiwa
Mahikeng
2737





DR3463

INTERSECTION

TAWANA MINE - TRUCKS
ACCESS ROAD

Hotazel Police Station

Hotazel

R331

R331

R331

R380

R380

R380

R380

R



mineral resources & energy

Department:
Minerals Resources and Energy
REPUBLIC OF SOUTH AFRICA

Private Bag X 6093, Kimberley, 8300, 41 Schimidtdrift Road
Ground Floor, old Telkom Building, Kimberley 8300 Tel: 053 807 1750 Fax: 053 832 5671
Email: Eugene.Nkatlholang@dmr.gov.za Ref No: NC 30/5/1/2/2/(10197)MR

From: Mineral Regulation

Enquiries: P. Nkatlholang

The Director

Tawana Hotazel Mining (Pty) Ltd
P. O. Box 48477
Roosevelt Park
2129

Attention: **Tebogo Louw**

APPLICATION FOR AN ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998 (ACT 107 OF 1998) AS AMMENDED ("NEMA") AND THE ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS, 2014 FOR THE PROPOSED MINING ACITIVITIES/ REMOVAL AND DISPOSAL OF MINERALS ON PORTION OF PORTION 1 OF THE FARM YORK A NO. 279, AND PORTION OF PORTION 1 OF THE FARM HOTAZEL NO. 280, SITUATED IN THE MAGISTERIAL DISTRICT OF KURUMAN, NORTHERN CAPE REGION.

The Final Scoping Report (FSR) and Plan of Study for Environmental Impact Assessment dated **13 September 2021** and received by the Department on **20 September 2021** refer.


1. The Department has evaluated the submitted FSR and Plan of Study for Environmental Impact Assessment dated **20 September 2021** and is satisfied that the documents comply with the minimum requirements of Appendix 2(2) of National Environmental Management Act, 1998 (as amended) (NEMA) Environmental Impact Assessment (EIA) Regulations, 2014. The SR is hereby accepted by the Department in terms of regulation 22(a) of the NEMA EIA Regulations, 2014.

2. You may proceed with the environmental impact assessment process in accordance with the tasks contemplated in the Plan of Study for Environmental Impact Assessment as required in terms of the NEMA EIA Regulations, 2014.
3. Please ensure that surrounding communities are given the opportunity to participate on the public participation process and the Draft Environmental Impact Assessment Report and is provided to the community representative for commenting purpose.
4. Please ensure that comments from all relevant stakeholders are submitted to the Department with the Environmental Impact Assessment Report (EIAR). This includes but not limited to the Provincial Heritage Resources Authority and/or South African Heritage Resources Agency, Provincial Environmental Department, Department of Agriculture, Forestry and Fisheries (DAFF), Department of Water and Sanitation (DWS), the local municipality, Local community structures (e.g Traditional Leaders, Ward Councillor's, SANCO, CPA). Proof of correspondence with the various stakeholders must be included in the EIAR. Should you be unable to obtain comments, proof of the attempts that were made to obtain comments should be submitted to the Department.
5. The applicant is hereby reminded to comply with the requirements of regulation 3 of the NEMA EIA Regulations, 2014 with regards to the period allowed for complying with the requirements of the Regulations.
6. Please ensure that the EIAR includes the A3 size locality maps of the area and illustrates the exact location of the proposed development. The maps must be of acceptable quality and as a minimum, have the following attributes:
 - Maps relatable to one another;
 - The flood line must be delineated on the topographical map;
 - Co-ordinates;
 - Legible legends;
 - Scale of 1:50000;
7. Further, it must be reiterated that, should an application for Environmental Authorisation be subjected to any permits or authorisations in terms of the

provisions of any Specific Environmental Management Acts (SEMAs), proof of such application will be required. You are hereby requested to submit, three (3) copies manually and one (1) electronic copy through SAMRAD, of an environmental impact assessment report and EMPr, inclusive of any specialist reports which have been subjected to the public participation process of at least 30 days incorporating the comments received, including all comments from the competent authority. Kindly refer to section 24N(2) of National Environmental Management Act, 1998 (Act 107 of 1998) as amended and Appendix 2, 4 and 6 of the EIA Regulations for the minimum requirements set for the aforementioned reports. The public participation process should be conducted as stipulated in chapter 6 of the EIA Regulations and taking into considerations any guideline applicable for public participation.

8. Kindly note that acceptance of your scoping report application does not grant you a right to commence with the listed activities applied for. Acceptance simply confirms that your application will be processed further and a recommendation on granting or refusal of an environmental authorisation will be forwarded to the Minister or his delegate for consideration, and the decision will be communicated as stipulated in regulation 4(1) of the EIA Regulations.
9. You should also note that commencement with a listed activity without an environmental authorisation contravenes the provisions of section 24F (1) of National Environmental Management Act, 1998 (Act 107 of 1998), as amended (NEMA) and constitutes an offence in terms of section 49A (1) (a) of NEMA.
10. Further note that in terms of regulation 45 of the EIA Regulations, your failure to submit the documents or meet any timeframes prescribed in terms of the said Regulations will result in your application deemed to have lapsed.
11. Your attention is brought to Section 24F of the NEMA which stipulates "that no activity may commence prior to an environmental authorisation being granted by the competent authority".

Yours faithfully



.....

REGIONAL MANAGER: MINERAL REGULATION

NORTHERN CAPE REGION

DATE: 05/10/2021

APPENDIX 6.7
DWS MEETING MINUTES



Prime Resources (Pty) Ltd
The Workshop 70–7th Avenue Parktown North 2193
 PO Box 2316 Parklands 2121
 T +27 11 447 4888 F +27 86 604 2219 E prime@resources.co.za
www.resources.co.za



17 September 2021

TAWANA HOTAZEL MINING (PTY) LTD

DRAFT MINUTES OF THE VIRTUAL PRE-APPLICATION MEETING HELD WITH THE DEPARTMENT OF WATER AND SANITATION REGARDING THE PROPOSED TAWANA HOTAZEL MINE, NORTHERN CAPE PROVINCE

ATTENDEES

NO.	NAME	ORGANISATION	CONTACT NUMBER	EMAIL ADDRESS
1.	Ms Mashudu Mudau (MM)	Department of Water and Sanitation (DWS)	053 830 7609	MudauM2@dws.gov.za
3.	Mr Jonathan van de Wouw (JvdW)	Prime Resources (PR)	072 602 3164	jonathan@resources.co.za
4.	Mrs Louise Jones (LJ)		072 375 1779	louise@resources.co.za
5.	Mr Danie Fourie (DF)	Tawana Hotazel Mining (THM)		danie@sebiloresources.co.za
6.	Mr Telalo Lekaleke (TL)	ReaAgi Consulting Engineers (RCE)	082 856 1167	telalo@reaagi.co.za

DATE: 09 September 2021

VENUE: Virtual Meeting via Microsoft Teams

TIME: 10h30 – 11h30

NOTES FROM THE MEETING

The meeting was recorded.

ITEM NO.	AGENDA ITEM	MATTERS ARISING
1.	Introduction	JvdW thanked everyone for dialling in and explained that this is the pre-application meeting for the proposed Tawana Hotazel Mine in the Northern Cape Province. According to the new process flow for WUL applications we are now in Phase 1, the pre-application process.
2.	Presentation	JvdW ran through the presentation that was prepared. See attached.

ITEM NO.	AGENDA ITEM	MATTERS ARISING
		<ul style="list-style-type: none"> • Permitting • Project background and description • Mining method, waste and mine water • Baseline surface water and groundwater description • Potential water uses to be undertaken in terms of Section 21
3.	Discussion, Questions and Guidance from DWS	<p>1. Vaal Gamagara water scheme</p> <ul style="list-style-type: none"> • MM asked if an agreement is in place for the potable water that will be supplied by the Vaal Gamagara water scheme and stated that the signed agreement for the offtake must be uploaded as part of the WUL application. • MM stated that water received from the Vaal Gamagara is not a water use but that the details must still form part of the project description • MM asked where this water will be stored and that this storage is not a water use. <ul style="list-style-type: none"> ○ JvdW and DF explained that it will be stored in a raw water storage tank on site with a small volume between 5000 – 10000 L. <p>2. Dewatering</p> <ul style="list-style-type: none"> • MM asked what the volume of dewatered water will be and what will happen to this water. <ul style="list-style-type: none"> ○ JvdW explained that there are two scenarios, pre-operational dewatering to get rid of the water in the pit void and operational dewatering which will be the inflows once mining reaches steady state. ○ JvdW explained that the quality of the water is generally poor but the option to mechanically evaporate the residual pit lake is being investigated. Once the mine reaches a steady state, dewatering will be carried out with the water forming part of the mine water circuit for use on the mine and for dust suppression. ○ MM will confirm if mechanical evaporation will be a separate water use. • MM asked what the existing pit will be used for. <ul style="list-style-type: none"> ○ JvdW explained that the existing pit will form part of the opencast mine as there are resources within the pit that will be mined and the pit will be expanded outwards. In order to do this the water that has gathered in the historical pit since 1989 needs to be removed. By incorporating the existing pit into the mine, it will be rehabilitated as part of the mine and backfilled to the greatest extent possible, however the engineering designs still need to be done. The aim is to create a free-draining, stable surface by filling the void so that a pit lake is not left behind.

ITEM NO.	AGENDA ITEM	MATTERS ARISING
		<ul style="list-style-type: none"> • MM asked where water for dust suppression will come from? <ul style="list-style-type: none"> ◦ JvdW explained that this will be from PCD water from mine dewatering and from contaminated runoff. • MM stated the 21j for dewatering must go with the 21g water use for reuse and dust suppression. • MM asked about the mechanical evaporation and how it works. <ul style="list-style-type: none"> ◦ DF explained that a pump floating on a barge on the pond with a flexible hose to the evaporating fans on the edge of the pond. The water is pumped through the fans to make a fog that evaporates, within the pit limits and will settle depending on the wind direction. ◦ MM said she thinks if it is part of the pit then it will part of the pit 21g water use, however she will check with her supervisor. <p>3. Boreholes</p> <ul style="list-style-type: none"> • MM asked about any boreholes on site and whether there is planned borehole abstraction? <ul style="list-style-type: none"> ◦ JvdW explained that there are only existing monitoring boreholes on site and that the only boreholes are in the town of Hotazel. ◦ JvdW said that there is no planned borehole abstraction at this point. Normally this water would be used for potable water, however in this case there is an allocation from the Vaal Gamagara scheme so no need for borehole abstraction. • MM asked if this means that there will be no washing of minerals. <ul style="list-style-type: none"> ◦ JvdW explained that there will be dry crushing and screening, so no washing or tailings impoundment. <p>4. PCD, surface water and storm water management</p> <ul style="list-style-type: none"> • MM asked what the water in the PCD will be used for. <ul style="list-style-type: none"> ◦ JvdW explained that this water will be reused for dust suppression and as far as possible in the dry crushing and screening process to manage dust. • MM said that the PCD is a 21g water use. • MM asked how the stormwater around the mine will be managed. <ul style="list-style-type: none"> ◦ JvdW explained that there will be upstream cut-off trenches to prevent water flowing into the pit. Clean water will be discharged and dirty water will be diverted to the PCD via berms and trenches and conveyances. This will still be refined in the storm water management plan. <p>5. Stockpiles</p> <ul style="list-style-type: none"> • MM asked how many product material stockpiles are planned.

ITEM NO.	AGENDA ITEM	MATTERS ARISING
		<ul style="list-style-type: none"> ○ JvdW and DF explained that the exact number of stockpiles is not known, however the entire area over which stockpiles will be located will be applied for. ○ JvdW explained that the product stockpiles depend on what a client wants in terms of ratios between lumpy and fine material. ○ DF explained that from current practice, the product stockpiles are around 800 tons each and in total 120 000 – 160 000 tons of product on the floor with different grades to blend as per customer requirements. The RoM stockpiles will be 40 000 – 60 000 tons, with different products and 5 to 6 stockpiles to be processed separately or to be blended through the plant before reaching the product floor. • MM stated that all the stockpiles must form part of the application as a 21g water use and that each type must be explained. <ul style="list-style-type: none"> ○ JvdW explained that with the way the stockpiles will be handled, we will apply over the whole footprint as there will be one area with various stockpile within it. A 21g application will thus be made over the full extent of the product area and for the RoM with the tons and barriers. There may also be surface overburden/ waste rock stockpiles and if there are applications will be done for those. • MM stated that if there will be on surface dumps then these will also be a 21g water use. <p>6. Processing plant</p> <ul style="list-style-type: none"> • MM asked what the processing plant will be used for? <ul style="list-style-type: none"> ○ JvdW explained that the historic processing plant will not be used for now and that the mine will use a mobile crushing and screening plant. <p>7. Rehabilitation</p> <ul style="list-style-type: none"> • MM asked about the plans for rehabilitation and when it will take place. <ul style="list-style-type: none"> ○ JvdW explained that there will be concurrent rehabilitation just leaving enough space for mining operations to continue, with concurrent rehabilitation mostly being backfilling with topsoiling and revegetation happening at the end. • MM stated that the rehabilitation plan must be submitted as part of the application. <ul style="list-style-type: none"> ○ JvdW stated that a GN704 exemption will be applied for, for backfilling.

ITEM NO.	AGENDA ITEM	MATTERS ARISING
		<p>8. Waste</p> <ul style="list-style-type: none"> • MM asked about sanitary facilities. <ul style="list-style-type: none"> ○ JvdW and DF explained that there is an existing municipal sewerage connection point at the current site office and THM is in negotiations with the landowner. • MM asked about the domestic and oil waste and how this will be managed. <ul style="list-style-type: none"> ○ LJ explained that domestic and industrial waste will be stored temporarily within a hard-standing area in covered bins / skips and will be removed by a contractor. • MM stated that the agreements with the waste removal contractors must form part of the application. • MM asked about the existing infrastructure on site, the buildings to be constructed, workshops and if there will be vehicle washing on site. <ul style="list-style-type: none"> ○ DF explained that the existing roads and loco shed will be reused and the compressor house which will be converted to a workshop. The powerline will also be upgraded for power supply from Eskom. ○ DF explained that new offices, stores, refuelling bay, vehicle workshop will be the brick infrastructure to be erected. ○ DF explained that vehicle washing will take place at the vehicle yard and workshop, where the wash bay will be included. ○ DF explained that there will be two workshops. A new workshop for production machines and another where an existing compressor building exists on site and will be converted to a LDV workshop. <p>9. Land matters</p> <ul style="list-style-type: none"> • MM asked if there are any existing water use authorisations on the property as DWS does not want to authorise double water uses. <ul style="list-style-type: none"> ○ LJ and DF explained that the landowner is South 32 and that this will need to be checked with them. • MM stated that the landowner agreement must be uploaded with the application. • MM stated that the Title Deeds must also be submitted with the application. • MM stated that the land claims enquiry must be submitted with the application. <p>10. Technical and Supporting Documents</p> <ul style="list-style-type: none"> • MM asked if public participation was done for surrounding farmers and IAPs and that the public participation report must be uploaded.

ITEM NO.	AGENDA ITEM	MATTERS ARISING
		<ul style="list-style-type: none"> ○ LJ explained that the Draft Scoping Report was made available for comment and that the surrounding community was made aware of the project. A BID was also distributed. • MM stated that the IWWMP, Scoping Report, EIA and EMP, the Geohydrological study, Storm Water Management plan and Monitoring Report will be required. • MM stated that the IWWMP must include a description of the infrastructure already on site and the new infrastructure planned and the MR acceptance letter. <p>11. Site Inspection</p> <ul style="list-style-type: none"> • MM stated that a site inspection will be arranged to check the water uses and visit the site.

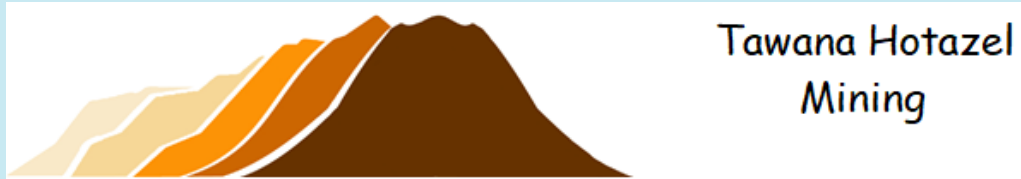
TAWANA HOTAZEL MINING (PTY) LTD

PROPOSED TAWANA HOTAZEL MINE NORTHERN CAPE PROVINCE

WU21348

DWS WUL PRE- APPLICATION VIRTUAL MEETING

9 SEPTEMBER 2021



Prime Resources (Pty) Ltd

The Workshop 70-7th Avenue Parktown North 2193

PO Box 2316 Parklands 2121

T +27 11 447 4888 F +27 86 604 2219 E prime@resources.co.za

www.resources.co.za

prime | resources
environmental
consultants



INTRODUCTION

- Mining right application accepted by DMRE 29 July 2021.
- Pre-application Water Use Licence enquiry submitted via eWULAAS on 3 August 2021.
- Request for pre-application virtual meeting on 6 September 2021 by Mashudu Mudau.
- This meeting seeks to provide the DWS with background information regarding the proposed mine and the potential water uses identified.



Phase	Description	Responsible person	Time frames
1. Pre-application process	Engagement between the applicant and DWS to determine type of authorisation, conduct site inspection and information requirements.	Applicant	No count
	Applicant submits the application, technical report supporting the application is identified. Applicant compile technical report and submit to the Department		
2. Screening of technical report	The technical reporting supporting the application is screened, resulting in its acceptance or rejected. If rejected the application is closed.	Department	90 days
3. Assessment and decision	The application and technical report are evaluated, leading to recommendations and decision.		

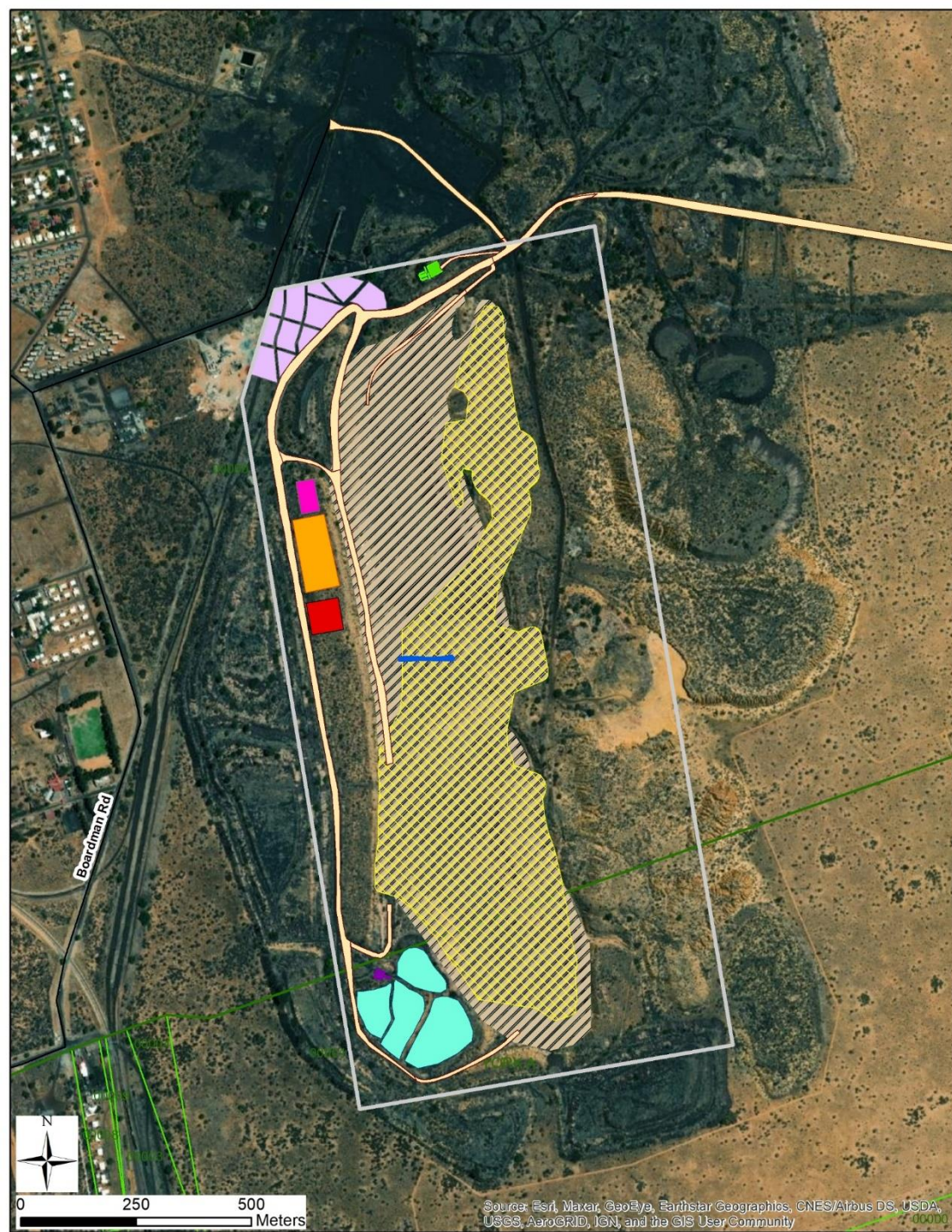
PROPOSED TAWANA HOTAZEL MINE – PERMITTING

- Mining right ito MPRDA
- NEMA Environmental Authorisation (EA) for listed activities incl.
 - Activity 6 of LN2 “development of facilities / infrastructure requiring a permit or **licence** in terms of legislation re emissions, **pollution or effluent**”
 - Activity 17 of LN2 “activities required to exercise a mining right”
 - Activity 21F of LN1 “reclamation of a residue deposit / stockpile”
- WML ito the NEM: Waste Act for activities related to residue stockpiles and deposits
- Scoping and EIA process - DMRE is the Competent Authority
- To-date DWS provided with draft Scoping Report for review and comment
 - By email; Ms. N Feni, 12 August 2021

PROPOSED TAWANA HOTAZEL MINE

- THM to mine manganese over two farms (Hotazel 280 and York 279), approx 1 km south-east of Hotazel
- Extent of THM incl. historical Hotazel Manganese Mine (HMM) (operations halted 1989):
 - Residual OC void
 - Surface dumps (low-grade material)
 - Mothballed processing plant and rail loadout facility. HMM stopped production in 1989
 - UG mining was undertaken but won't be pursued by THM
- Extent of THM is 154 Ha (incl MR application area and access road)
- Surface infrastructure to incl.:
 - Opencast pit (incorporating historical void and expansion of the OC pit)
 - In-pit residue dumps
 - Surface residue handling / storage
 - Vehicle yard, workshop offices, stores and refuel bay
 - Access and haul roads
 - Mobile crushing and screening
 - ROM / product stockpile area
 - Water management infrastructure



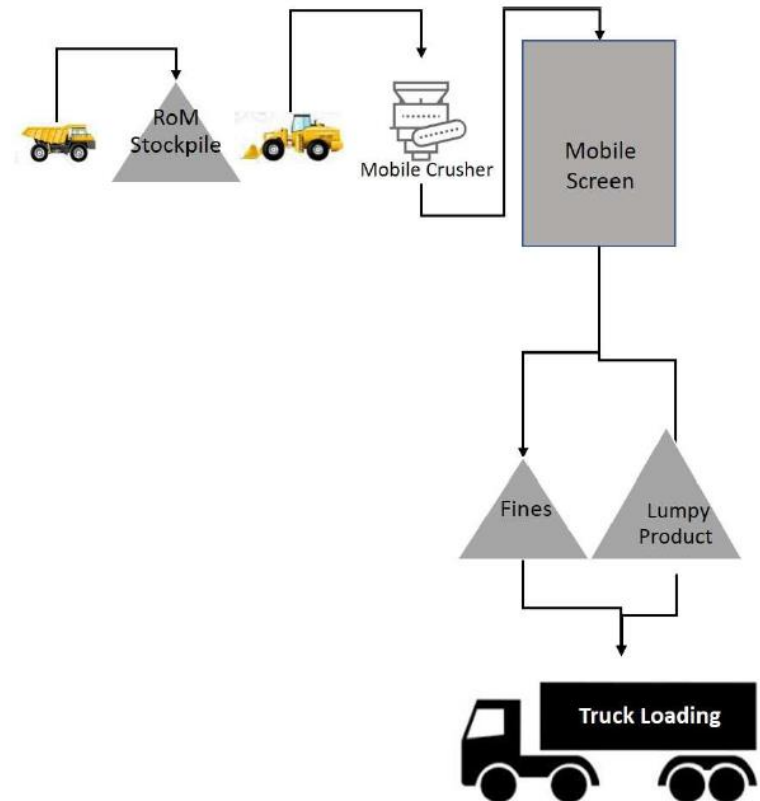


- MR area
- Access and on-site roads
- Office Block & Stores
- RoM pads
- Refuel Bay
- Evaporators
- Vehicle yard & Workshop
- Product Stockpile Area
- Processing Plant
- Pollution Control Dam
- Opencast Pit
- In-pit waste dumps (residue material)

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

MINING METHOD AND WASTE

- OC mining methods to a maximum depth of 95 m
 - Drilling and blasting
 - Truck and shovel
 - Load and haul to ROM tip
- Processing
 - Dry crushing and screening plant
 - Product stockpiling
 - Road truck loading
- Overburden and waste rock:
 - Backfill historical void / OC pit
 - Surface dumps handling
- Non-hazardous domestic and industrial waste
 - Temporary storage in designated hard-standing area with covered bins / skips
- Connection to nearby sewerage for ablutions



MINE WATER

- Potable water to be supplied through Vaal Gamagara water scheme
- Water has collected in the residual OC void and UG workings since activities ceased (1989)

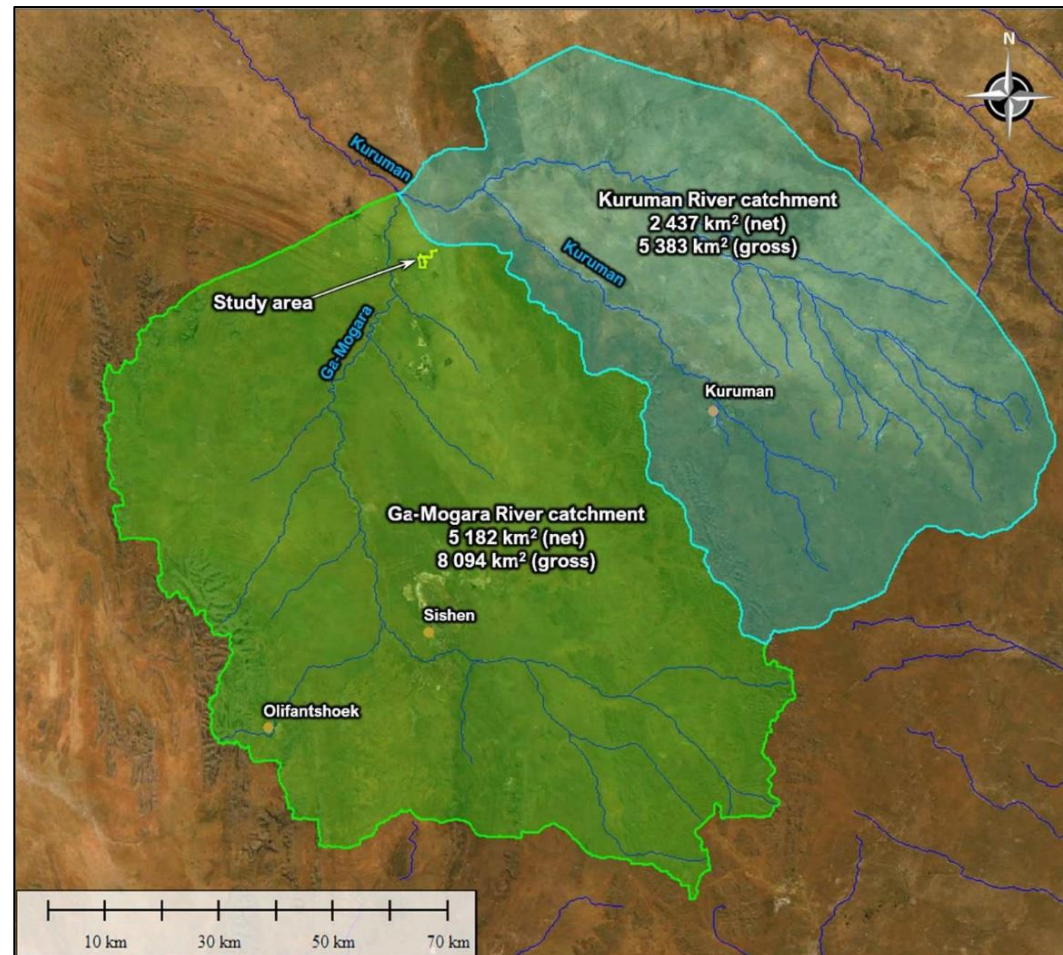
- Safe continuation of mining requires this water to be dewatered
- Current plans are to pump to a lined PCD for use in dust suppression / industrial use on site
- Mechanical dewatering via forced-evaporation may be considered



- The following two sources of raw water are anticipated:
 - Groundwater inflows - sufficient for the mine service and process water requirements.
 - This water will be pumped from the OC pit and discharged into the freshwater tank for use in the plant with any excess water discharged to the PCD.
 - Water from the storm water reticulation system.
 - Diversion trenches located above the OC pit to intercept surface flow.
 - This water will be redirected to the dedicated PCD or diverted to existing natural drainages if uncontaminated.

BASELINE ENVIRONMENT – SURFACE WATER

- THM is located in Vaal WMA, Quaternary Catchment D41K
 - No watercourses, aquatic or wetland systems within 500m
 - Gamagara River (5 km west) and the Kuruman River (10 km north)
- Topography drains to the west towards the Gamagara River, which flows from south to north.
- Existing OC void = moderately sized / relatively deep, artificial pit lake.
 - Supports aquatic vegetation that has established within the pit lake and fauna that has been artificially translocated to the pit lake.
- The mean annual precipitation of the MR area is 270 mm and the mean annual evaporation of the MR area is 2 375 mm (S-Pan).



BASELINE ENVIRONMENT – GROUNDWATER

- 3 aquifers:
 - Sandy gravel material - large portions of the study area, mostly dry. Depend on rainfall recharge
 - Fractured rock / leached banded iron formation
 - Dolomitic aquifers of the Griqualand West Sequence
 - Very low likelihood of intercepting karstic dolomite
- Aquifers classified as minor aquifers.
 - Fractured rock aquifers not high yielding
 - Dolomitic karst aquifer has high potential but doesn't occur in project area
- Supply of water to Hotazel from groundwater sources and from the Vaal-Gamagara pipeline
 - 23.2% of households rely on borehole water (2011)
- Depth to GW level avg 26.8 m
- Quality has been affected – chloride, nitrate, manganese, sodium



POTENTIAL WATER USES TO BE UNDERTAKEN IN TERMS OF SECTION 21

Surface infrastructure / activities	21 g <i>Disposing of waste in a manner which may detrimentally impact on a water resource</i>	21 a <i>Taking water from a water resource</i>	21 j <i>Removing, discharging or disposing of water found underground if it is necessary for the efficient continuation of an activity or for the safety of people</i>
Construction and management of RoM pads and product stockpiles	x		
Management of residue material – surface dumps, in-pit disposal and backfilling	x		
Pollution control dam	x		
Dewatering of ingress water from mine pit – for safe continuation of mining	x		x
Dust suppression and industrial use on site	x		
Mechanical evaporation	x		

DISCUSSION

- Requirements for technical report
- Timeframes
- Confirmation of water uses
- Site-inspection
- Timeframes – now to submission, then 90-days

APPENDIX 6.8
EIA PHASE FEEDBACK BID

Environmental Authorisation process
for the

Tawana Hotazel Mine
Northern Cape Province

Proposed by

Tawana Hotazel Mining (Pty) Ltd

EIA Phase Information Booklet

10 January 2022 – 9 February 2022

This document aims to:

- 1) Summarise the comments and questions raised to date by registered Interested and Affected Parties, and to provide responses and answers as included in the Environmental Impact Assessment (EIA) Report and Environmental Management Programme (EMPr).
- 2) Provide a brief summary of the impact assessment.

The Draft EIA and EMPr Report is available for public review and comment and can be provided digitally via email or can be accessed on the Prime Resources website: www.resources.co.za during the 30-day commenting period.

All comments submitted will be included into the final documentation to be sent to the Department of Mineral Resources and Energy (DMRE) for consideration during the decision-making process.

Please submit comments by 9 February 2022



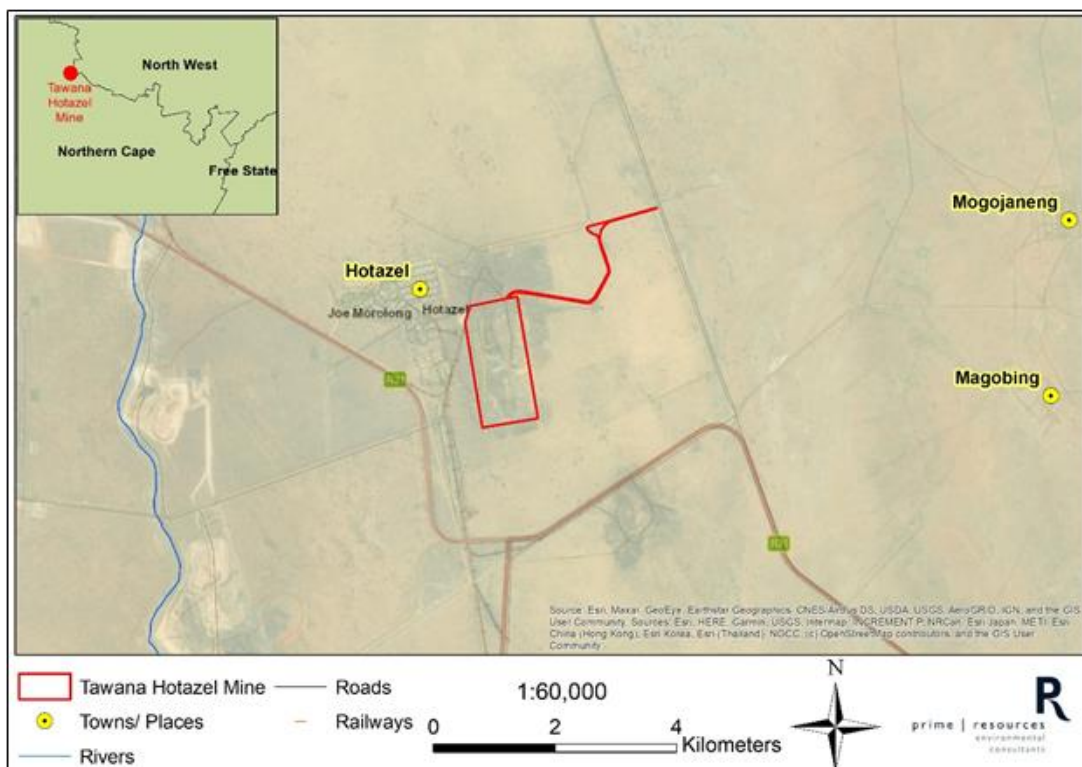
Project background

Tawana Hotazel Mining (Pty) Ltd has submitted an application for a Mining Right to the DMRE for the proposed Tawana Hotazel Mine (THM) to mine manganese and associated minerals.

The THM covers portions of two farms within the Joe Morolong Local Municipality in the Northern Cape Province; Hotazel 280 and York 279 and is located approximately 1 km south-east of the town of Hotazel. The THM largely incorporates the historical Hotazel Manganese Mine (HMM), including the residual opencast void, surface dumps of low-grade material and the mothballed processing plant and rail loadout facility. HMM stopped production in 1989. The area was historically mined by both opencast and underground means and yielded high grade manganese ore.

The overall area applied for is approximately 154 Ha (inclusive of the MR application area and access road). Surface infrastructure will include the opencast pit (incorporating the historical HMM void and further expansion of the opencast footprint), in-pit waste dumps (residue material), surface residue handling / storage, vehicle yard, workshop, access and haul roads, offices, stores, processing plant for the crushing and screening of mined ore, product stockpile area, run of mine pad, refuel bay and water management infrastructure. There will be two main access points into the mine and all-weather access roads (12 m wide) will need to be upgraded / constructed. The main transport route to the east will be for Heavy Vehicles and the main entrance to the west (near Hotazel) will be for Light Delivery Vehicles. In addition, on-site access roads will be required for use by the secondary support fleets and earthmoving haul trucks.

The proposed THM will be an opencast mine with a 30-year life of mine. Approximately 73 construction-related job opportunities will be created and approximately 177 people (inclusive of outsourced service providers) will be employed during operations.



Location of the proposed THM



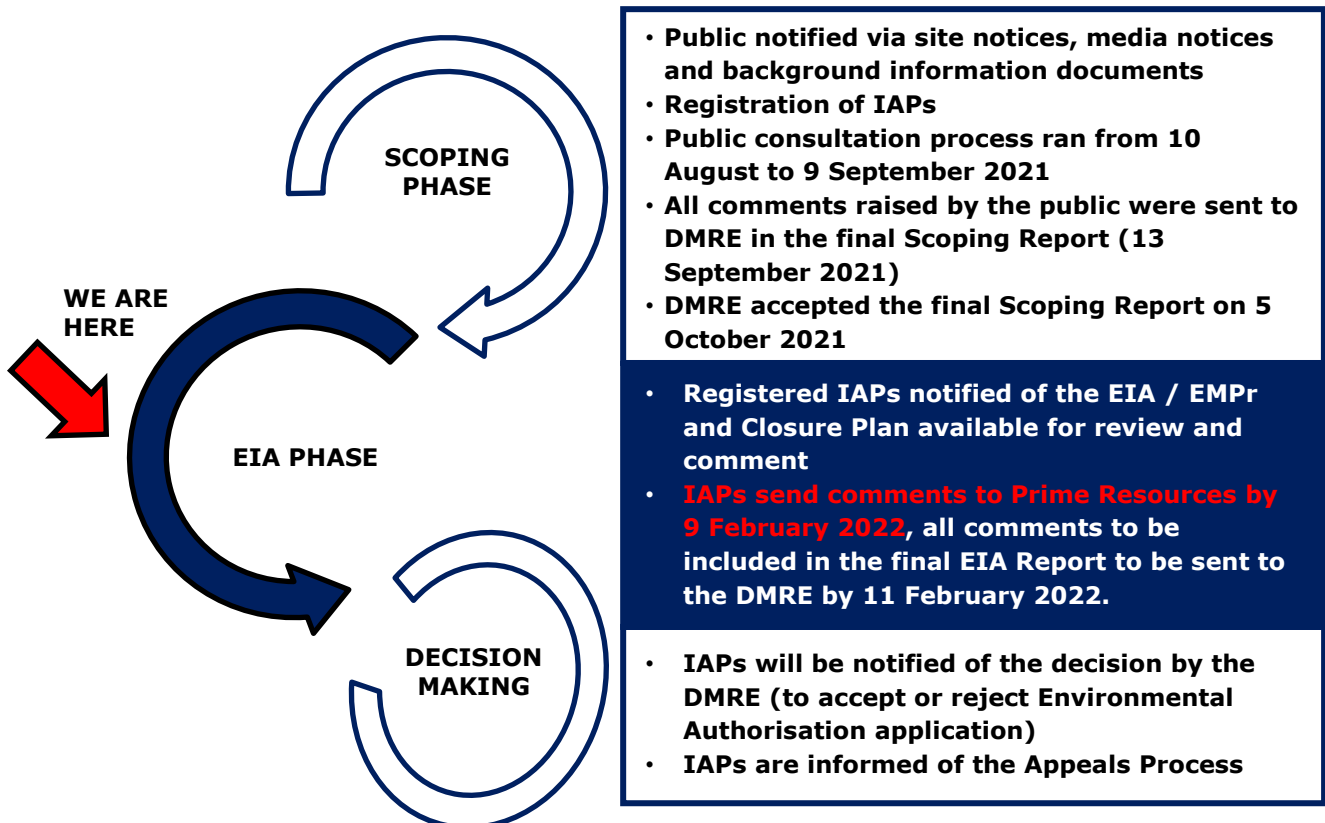
Layout of the proposed THM

Legal process

South Africa's main environmental law is the **National Environmental Management Act, 1998 (NEMA)**. NEMA contains Regulations, which include lists of activities, which have been identified as potentially harmful to the environment. These are referred to as "listed activities". Before undertaking any of these activities, an applicant is required to apply for Environmental Authorisation (EA) for these activities. Depending on the nature of these activities, a *Basic Assessment* (BA) or *Scoping and Environmental Impact Assessment* (EIA) process will be required to inform and support the application for EA.

For the proposed THM, a **Scoping and EIA process is required**. The two phases - Scoping and EIA - each have a 30-day commenting period (allowing review of documents and raising of comments / questions / concerns – which need to be included in the final documentation).

The **DMRE** is considered the Competent Authority (decision-maker) for this process because the activities are related to a mining application. All of the information gathered during the Scoping and EIA phases and all comments made by the public are provided to the DMRE. The DMRE decides whether to grant or refuse Environmental Authorisation for the activities based on information presented in the various reports submitted.



Prime Resources has been appointed as the independent Environmental Assessment Practitioner (EAP) to conduct the regulated environmental processes for the project. Independent specialists have been appointed to undertake studies for the project. Neither the EAP nor the specialists have any vested interest in the project proceeding.

Environmental Authorisation

The THM will undertake the following activities that are NEMA listed activities (i.e. those that require authorisation from the DMRE):

- Mining and processing of minerals and the construction and operation of infrastructure related to mining;
- Development and operation of facilities or infrastructure, for the storage and handling, of a dangerous good (i.e. fuel, chemicals and explosives);
- Development and widening of roads required to exercise the Mining Right;
- Clearing vegetation for infrastructure and for mining; and
- Development of facilities or infrastructure for any process or activity which requires a permit or licence in terms of national or provincial legislation governing the generation or release of emissions, pollution or effluent.
- In particular, Tawana Hotazel Mining (Pty) Ltd has applied for the following NEMA listed activities:
 - Listing Notice 1 activities 14, 21F, 24, 27 and 56
 - Listing Notice 2 activities 6 and 17

Waste Management Licence

Tawana Hotazel Mining (Pty) Ltd also require a Waste Management Licence in order to develop the in-pit waste dumps (residue material), surface residue handling / storage area and ore stockpiles that are needed for the project. A Waste Management Licence is issued in terms of the National Environmental Management: Waste Act, 2008 (NEMWA). In particular, Tawana Hotazel Mining (Pty) Ltd has applied for the following NEMWA listed activities:

- GNR921 of 2013, Category B activities 7, 10 and 11

Water Use Licence

A Water Use Licence (WUL), which is applied for from the Department of Water and Sanitation (DWS) is also required in terms of S40 of the National Water Act, 1998 for water uses to be undertaken in terms of S21 including:

- Mine dewatering, dust suppression, product stockpiling, mine residue handling and disposal, septic tank and facilities for the separation and handling of clean and dirty water including pollution control dams, trenches and berms.

Summary of comments received during the Scoping Phase

Issue / concern raised	Commentary by EAP
Is there an offsetting strategy for protected species?	Permits for the destruction or relocation of nationally and provincially protected tree, shrub and forbs species will be applied for and obtained from the relevant authorities. Where any protected species are to be rescued and relocated, this process will be overseen by a suitably qualified botanist or horticulturalist. The establishment of a site nursery where smaller plants with relocation potential, including <i>V. erioloba</i> seedlings and saplings, can be kept and propagated during the construction and operational phases will be established.
R31 and DR3463 intersection is curving and poses high vehicles accidents in particular to road trucks that will be coming from the mine site for the transportation of ore to Lohatla. Is THM looking into impact of traffic on big intersection? Currently high vehicle accident area and increase of vehicles intersecting during peak hours.	A Traffic Impact Assessment specialist study was carried out including an intersection capacity evaluation. The intersection has adequate capacity to process current traffic volumes and movements safely and efficiently on the road network and no capacity improvements are triggered. Sight distance at the intersection of R31 and DR3463 will be improved by removing trees and grass in the vicinity of the intersection. This will provide for safe turning movement of heavy vehicles at this intersection.
Hotazel town is fully occupied by mine workers and others working shifts and the noise from mining activities will have an impact on their sleeping patterns and fatigue recovery.	A Noise Impact Assessment specialist study was carried out. Noise propagation simulations indicate that noise generated during day will be detectable in Hotazel town but will likely not result in disturbance or complaints. However, due to low baseline night-time noise levels, night-time activities at THM could have a significant impact on environmental noise levels at Hotazel town during the night (22:00 to 06:00). The increase in noise levels in a large portion of Hotazel town may exceed the 3-dBA limit and complaints are expected. The increase in noise levels at receptors outside Hotazel town will be slight or mostly undetectable and complaints are not expected. Mitigation and management measures are required and will be implemented during all project phases including good engineering and operational practices, enclosure of processing plant equipment and that a noise reduction barrier, such as an earth berm, is to be constructed on the western side of the THM, between the THM operations and Hotazel town where noise receptors are located close to the operations.
How far is the closest house from a closest blasting block? How will it be monitored? What will be a blasting impact on plant close to mine workings? Vibration travels faster than noise and there is community next to the pit, why would its impact be minimal? Is there no chance of cracking sewage facility?	The nearest house is 658 m from the pit area and the expected levels of ground vibration at this point is 3.1 mm/s. This is well within the general accepted safe limit of 12.5 mm/s applied. Recommendations have been made for ground vibration, air blast and video monitoring using seismographs and video camera. The drill and blast parameters set to be used show expected vibrations of 6.6 mm/s at the closest structure at 417 m. The sewage plant is located 728 m from the pit area. The expected vibration at this point is 2.6 mm/s, which is below the

Issue / concern raised	Commentary by EAP
<p>What is mining impact? (blasting) on the airstrip?</p>	<p>general accepted safe limit. The airstrip is located 2313 m from the pit area and there is no concern with regards to ground vibration, air blast or fly rock. Communication with the airstrip must be established in terms of blasting and air traffic clearance.</p>
<p>Due to the scarcity of water in the area, a dry processing plant was selected as the preferred option. Will it not create more dust to nearby community? What other controls are being considered other than suppression on hauling roads? Positioning location of product stockpiles and fines vs community houses direction? Dust exposure surveys within households to understand level of exposure and establishment of dust monitoring station to monitor PM10 due to sensitive receptors?</p>	<p>An Air Quality Impact Assessment specialist study was carried out.</p> <p>Mitigation measures will include watering on in-pit and waste stockpiles unpaved roads, water sprays with chemicals on haul roads and access roads and water sprays at the crusher and screen.</p> <p>Indoor air quality sampling/monitoring has not been undertaken but two short fine particulate matter sampling campaigns were undertaken at two areas in Hotazel town using passive particulate matter samplers which is a very cost-effective method of sampling multiple size fractions of fine particulate matter as well as for source apportionment. Four months of dustfall sampling was also undertaken at four sites with two sites being in Hotazel town.</p>
<p>If it happens that during project execution phase an eagle is seen, how will it be captured and relocated?</p>	<p>A pre-construction inspection will be undertaken to confirm the Verreaux's Eagle nest status. Should the nest be active it is recommended that the Endangered Wildlife Trust: Birds of Prey Programme be contacted to ensure the appropriate measures are taken to incubate and/or relocate the chick and/or eggs.</p>
<p>Mine reticulation will be provided at 11 kV from the Hotazel substation. Capacity? Impact on Hotazel town? What are the time lines for the application approval and infrastructure installation with Eskom.</p>	<p>Eskom has indicated that they have capacity and an application for 4.0 mVA has been submitted. The entire processing plant will be diesel operated. Until such time as power infrastructure is installed on site a mix of solar and diesel generators will be used as an alternate supply source.</p>
<p>Potable water demand and supply impact on Hotazel operations and communities? Where will evaporators be positioned and how big are they? Is any chance for them adding to noise? Excess water management through evaporation system- is it the best practical practice while there is water scarcity in the country and in the region?</p>	<p>Sedibeng Water are responsible for the allocation of their water resources. It is assumed that if Sedibeng water approves the off-take agreement then they have done a capacity assessment with approvals accordingly. Sedibeng water should have supply agreements with their existing customers and should not allocate additional water to new customers that they cannot deliver.</p> <p>Evaporator fans will be located below the pit perimeter. Forced evaporation will be limited to dewatering the existing water body in the pit and will not be used for ongoing operational pit water management.</p>
<p>Hotazel/ Magobing/ Magojaneng residents are the closest local community, how will they ensure local employment?</p>	<p>THM will make use of local labour as far as possible in all stages and for all aspects of the project. This applies to all contractors during construction.</p>

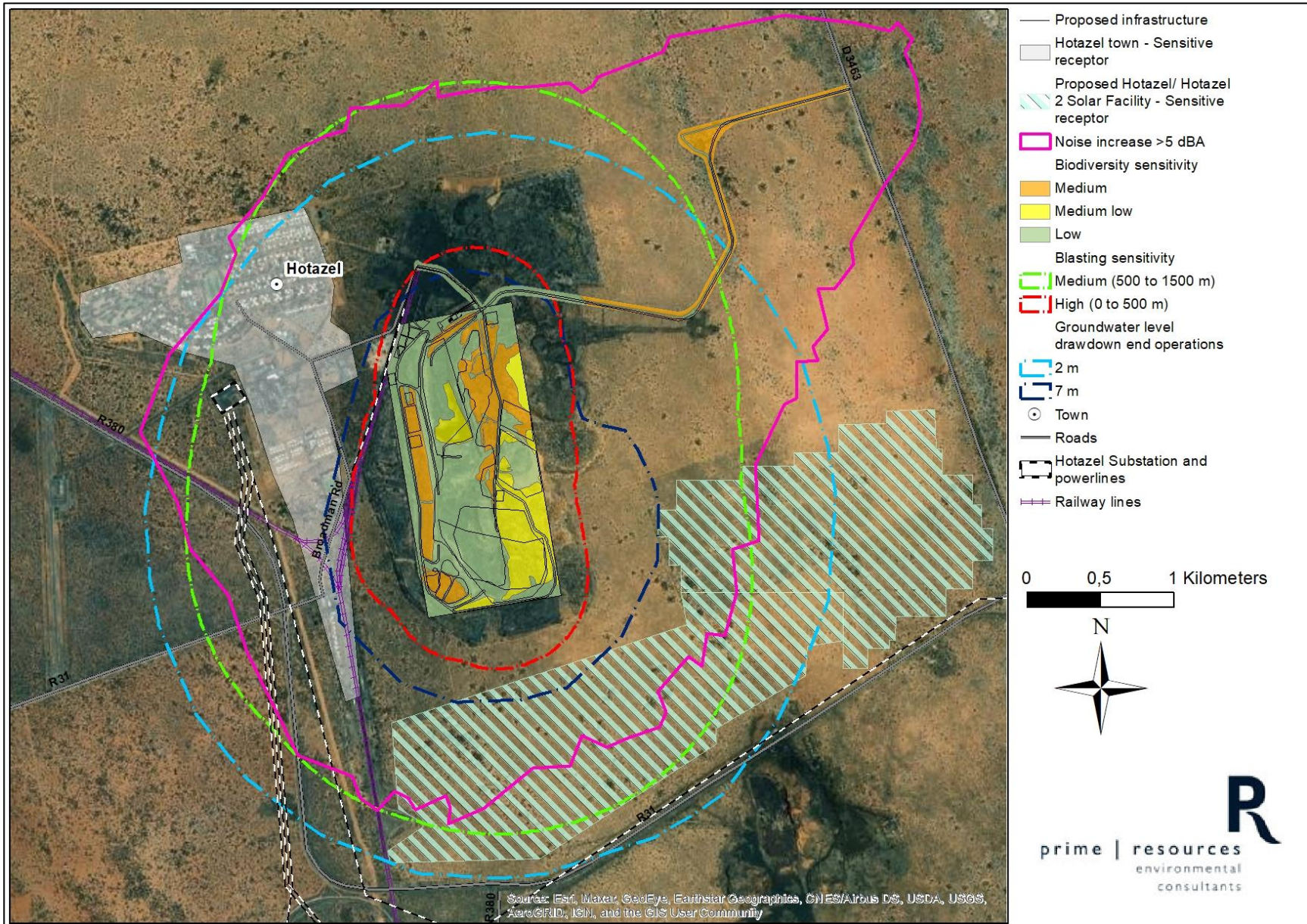
Issue / concern raised	Commentary by EAP
<p>Potential impacts in terms of vibration, dust and shading on the proposed solar facility to the south/south-east of the mine.</p>	<p>Blasting and vibrations:</p> <p>There is no specific limits for solar installations. A conservative 25 mm/s vibration and air blast 134 dB is applied. These are similar for normal well build houses where people will reside. The nearest point between the pit area and the two solar farms are 758 m and 946 m. The expected levels of ground vibration and air blast are well within accepted norms for safe blasting. Fly rock unsafe zone was calculated to 291 m. The solar facilities are located outside of this zone. However a general clearance zone of 500 m is normally applied by mines. It will however still be required by the blasting team to ensure that all is done not to create fly rock. Part of the monitoring program recommended includes two locations at closest point between the pit and the solar facilities. These points are intended to act as governing the ground vibration and air blast yielded by blasting. The monitoring positions are located such that it should be best location for strictest control. Any distance further will indicate lower levels.</p> <p>Air Quality/ Dust:</p> <p>Baseline dustfall sampling was undertaken at the proposed location of the solar facility and the highest sampled pre-development dustfall rate at this site was 673 mg/m²-day. With the highest simulated dustfall rate (103 mg/m²-day for unmitigated operations) added to that, the dustfall rates at the solar facility could be 776 mg/m²-day. Dustfall rates would increase with increased use of public roads and on-site (solar facility) support operations.</p> <p>A dustfall rates sampling network will be set up and it has been recommended that two units be located on the boarder of the solar facility. It has been recommended that progress reports should be reported to all IAPs affected by pollution and stakeholder forum/feedback meetings be scheduled and held at least on a bi-annual basis and that a complaints register must be kept at all times. Regular (maximum of 5 years) review of the mitigation, management and monitoring procedures should take place.</p>
<p>Specific concerns are addressed in the management programmes in the EIA Report and EMPr</p>	

Key findings of the impact assessment

Aspect	Potential Impact	Significance	
		Before Mitigation	After Mitigation
Air quality	Direct impact on human health may be impaired as a result of increased pollutant concentrations	Medium	Medium
	Direct impact on vegetation health and an indirect impact on animal and human health, and amenities from increased dustfall rates and pollutant concentrations	Low	Low
	Direct impact on amenities from an increase in nuisance dust fall rates	Medium	Low
Biodiversity	<ul style="list-style-type: none"> • Loss of floral and faunal habitat • Reduced floral and faunal diversity • Alien invasive species and other detrimental edge effects 	Medium	Low
	Displacement of faunal species	Medium	Medium
	Loss of species of conservation importance	High	Medium
	Ineffective backfilling and rehabilitation	Medium	Low
	Improved habitat conditions in the rehabilitated areas	Medium positive	
Heritage and palaeontology	Loss of subterranean / previously unidentified heritage and paleontological resources	Low	Low
Noise	Nuisance noise from blasting and mobile crushing and screening, traffic loading/ increased vehicle trips and product loading / hauling	Medium	Medium
Soil	<ul style="list-style-type: none"> • Contamination and reduced soil quality • Poor soil stockpiling and compaction may reduce the soil quality • Erosion 	Low	Low
Surface water	<ul style="list-style-type: none"> • Loss of surface water quality • Alteration of surface hydrology 	Low	Low
Groundwater	Lowering of the groundwater levels within the surrounding aquifers	High	Medium
	Contamination of groundwater and reduced groundwater qualities	Medium	Medium
Blasting	<ul style="list-style-type: none"> • Ground Vibration - perceptible levels • Air Blast - rattling of roofs or door or windows 	Medium	Medium
	<ul style="list-style-type: none"> • Fly Rock – safety impacts • Noxious fumes 	Medium	Low
	<ul style="list-style-type: none"> • Additional traffic loading/ increased vehicle trips generated by activities at the mine • Safety risks to third parties and animals • Surrounding road network congestion and reduced intersection capacity as well as an increase in CO₂ emissions • Deterioration of surface pavement condition/ quality of existing access roads resulting in unsafe driving conditions • Dust pollution to residential properties adjacent to access road 	Low	Low

Aspect	Potential Impact	Significance	
		Before Mitigation	After Mitigation
	<ul style="list-style-type: none"> Noise pollution to nearby residential areas within earshot 		
Socio-economic	Employment opportunities	Medium positive	
	Increased opportunities for SMMEs and stimulation of the local economy	Low positive	
	Skills development for employees and community members	Low positive	
	<ul style="list-style-type: none"> In-migration of job-seekers into the project area and associated negative impacts Decline in community health and safety 	Medium	Low
	<ul style="list-style-type: none"> Safety impacts on people and animals Pressure on existing infrastructure and services, nuisance and social ills 	Low	Low
	<ul style="list-style-type: none"> Impact on property values adjacent to the project Downscaling and retrenchment of employees. 	Medium	Medium
Visual aesthetics	Visual intrusion at night from additional lighting.	Low	Low
	In-pit waste rock dumps will remain on site resulting in a permanent change to the visual character of the area.	Medium	Low
	Backfilling/ rehabilitation of the currently disturbed area upon completion of mining may improve the visual and aesthetic features of the site while simultaneously transforming the area into a usable landform.	Medium positive	

Note that the above is a high level summary of the risks that are expected as a result of the project. Further details are available in the EIA Report.



Integrated Environmental and Social Sensitivity Map