



REPUBLIC OF NAMIBIA

MINISTRY OF ENVIRONMENT, FORESTRY AND TOURISM

DIRECTORATE OF ENVIRONMENTAL AFFAIRS

ENVIRONMENTAL AUDIT - (SELF AUDIT QUESTIONNAIRE)

Please Take Note:

- 1. All questions are mandatory and thus must be fully completed
2. knowingly providing false or misleading information is an offence as in terms of Section 43 (1) of the Environmental Management Act, Act No. 7 of 2007.

Activity:

EPL 4305, Mineral exploration for Base and Rare Metals, Industrial Minerals and Precious

metals Opuwo by Cornerstone Mining CC

1. OVERVIEW AND GENERAL INFORMATION

Table with 2 columns: Question (a-f) and Answer. Questions cover unit name/address, main activities, employee numbers, site layout plan availability, other projects, and ECC details.

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2. SITE HISTORY AND DETAILS	
a) When was the facility established?	No facility has been established yet
b) Who owns the facility/industry?	N/A
c) Who owns the land and what is the type of the land?	State Land under Opuwo local authority
d) Is the land ownership/lease document available?	Communal land
e) What is the total land area?	2943 Hectares
f) What was the previous land use of that area (commercial, residential, industrial or agricultural)?	Communal land, no agricultural activities due to mountains
g) Does the facility have any citations or complaints pending against it?	No, approval by tradition authority was obtained.
h) Has there ever been any major accidents on-site?	No

3. PROCESS REVIEW	A	N/A	Comments
a) Give a detailed description of the production process.		N/A	Project is currently in exploration phase to determine mineral deposits
b) Total production capacity of the plant/ project in terms of tonne per annum		N/A	No plant set-up yet, pending exploration findings
c) What are the inputs required in the production process (preferably in the form of a list containing name, amount/quantity required and their price?		N/A	The list of the inputs will be shared during the application of ECC for the mining license and the set-up of the processing plant.
d) What are the outputs produced (including pollutants) and their quantities?		N/A	output will be copper ore, quantities unknown pending exploration
e) Provide a list of all the machinery and utilities used on-site along with their capacities number, energy consumption and time in use.			2 Excavators, 1 bulldozer, 1 Drilling machine 1 Tipper truck, this equipments will be used during exploration All activities will be during week days between 8:00 to 17 H:00
f) consumption and time in use.			
g) How often is maintenance work carried out on-site?			Once a week during exploration, and as per EMP
h) Does any recycling/reuse of material take place on-site?			Recycling measures will be implemented

4. LICENSE AND PERMITS	A	N/A	Comments
a) Does the facility have a valid factory license? If not, has the facility applied for it? Is a copy of the application form available?		N/A	Currently the project is in exploration stage, ECC application is attached. Ancillary rights application will be applied once ECC is approved and it will be shared with MET.
b) Does the facility have a valid Consent to Operate (CTO) certificate? If not, has the facility applied for it? Is a copy of the application form available?		N/A	Consent will be applied via the traditional authority, ancillary council and all line ministries (MME, MET).
c) Does the facility generate hazardous waste? If it does, does the facility have authorization for storage, handling and transportation of hazardous waste as per the Hazardous Waste (Management and Handling) Rules? If not, has the facility applied for it? Is a copy of the application available?		N/A	Minimal hazardous waste will be produced by machines during exploration. But that will be treated as per EMP. Once a processing plant is set-up handling of hazardous waste transportation will be shared with MET.

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5. AIR EMISSIONS	A	N/A	Comments
a) What are the sources of stack and fugitive emissions in the facility?		N/A	Air pollutant measures will be put in place once mining and
b) Has stack and ambient monitoring carried out?		N/A	processing starts. Mining license application will indicate the measures to be put in place.
c) Does emissions meet standards specified in the CTO certificates?		N/A	
d) Are monitoring records/reports maintained?		N/A	Quarterly reports will be submitted to MET on annual basis
e) What are the air pollution control device that has been installed?		N/A	
f) What is the frequency of cleaning and maintaining the air pollution control device?		N/A	
g) Are site processes and operations free of significant fugitive air emissions?	Yes		Exploration does not emits significant pollution

6. Water consumption and wastewater generation

6.1 Freshwater	A	N/A	Comments
a) What is the source of freshwater? Is it metered or not?	Yes		Borehole water, once ECC is approved, installation as per regulations by MAWF
b) How many boreholes are installed in the site?		N/A	None so far, as no exploration has commenced pending ECC
c) How many flow meters are installed in the plant? What are their readings?		N/A	
d) Schematic of a raw water treatment plant and DM plant e.g Sceptic tanks, filtering systems etc		N/A	Will be issued to MET once ECC is approved and ancillary rights approved
e) Latest groundwater quality test reports		N/A	Water tanks and sceptic tanks to be installed at site will be shared with MET once ECC is approved
f) Specify average daily water consumption of the entire plant and in township/colony (m3/day):		N/A	Water testing results will be shared once ECC is approved for exploration
g) Has the plant / activity studied the impact of its water consumption on respective surface water source and/or groundwater table?		N/A	
h) Break-up of average freshwater consumed for last two financial years?		N/A	
i) Specific water consumption values for last two financial years (in m3/tonne or m3/Mwh, etc.):		N/A	
j) Chemicals used in water treatment plant with quantity and price:		N/A	
k) What is the capacity of the demineralization (DM) plant? What is then average quantity of water treated in DM plant (m3/day)?		N/A	
l) Does the plant/ project have rainwater harvesting (RWH) system? If it does, is it rooftop, paved or unpaved?	Yes		Once exploration commence and employees quarters and all structures are constructed RWH systems will be placed on top
m) Method of harvesting rainwater—Storage in artificial tanks/recharge into the pit/ trench/well	Yes		Rainwater harvesting methods will be set up noting that Kunene is dry
n) Total rainwater harvesting potential of the plant			
o) Rainwater harvesting potential of the site developed by the plant:		N/A	
p) Total rainwater harvesting done by the plant		N/A	
q) Frequency of monitoring of the groundwater quality and quantity (pre- and post-monsoon) and frequency of cleaning the rainwater harvesting catchment/storage system		N/A	

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r) How is the harvested rainwater utilized by the plant/ project?		N/A	
s) Key measures taken by the plant/project for water conservation in the past three years and water saving achieved in terms of m3		N/A	

6.2 Wastewater	A	N/A	Comments
a) Schematic diagram of an Effluent Treatment Plant (ETP) and Sewage Treatment Plant (STP) along with their capacities (attach)	N/A		ETP plant will be established once exploration is completed and mining license obtained, provided that a significant plant is required with a substantial number of employees.
b) Latest laboratory test reports of ETP and STP inlet/outlet streams			
c) Does the plant/ project have separate ETP for its different products?			
d) Total effluent generated by plant/ project (including all products) in last two financial years			
e) Total sewerage generated by plant/ project and colony in last two financial years			
f) Provide the details of wastewater generation and recycling in the entire facility			
g) Does the plant/ project monitor the impact of wastewater on the receiving waterbody/ land?			
h) What is the total number of outlets for effluent discharge from the plant/ project?			
i) Name of WTP unit/s (filtration unit/softening unit/reverse osmosis plant etc.) and its capacity and average quantity of water treated in filtration plant (m3/day)			

7. NOISE POLLUTION	A	N/A	Comments
a) Does the facility have a valid factory license? If not, has the facility applied for it? Is a copy of the application form available?		N/A	Not yet as project is at exploration stage

8. FUEL CONSUMPTION	A	N/A	Comments
a) List the different type of fuel used in different areas of the plant/ project	Yes		Fuel and lubricant grease
b) Quantification of fuel used in each process and its calorific value		N/A	
c) How is the industry storing the different types of fuel?	Yes		Fuel will be kept in steel drums for exploration and once mining license is obtained a temporary fuel depot will be set up on site.
d) If they are using:			
Gas—Is the supply regular? If not, mention the number of hours.			
Biomass—Is it available for the entire year?			
Coal—Are they using low ash coke or high coke and the supply is regular or not?			

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9. CHEMICAL HANDLING AND STORAGE	A	N/A	Comments
a) What are the various types of chemicals stored on-site?			
b) Is a list of chemicals available?			not yet as its exploration stage currently
c) How are chemicals transported?			Chemicals will be transported by truck in ensuring safety standards
d) What kind of containers are there for storing the chemicals?		N/A	once plant is put up, chemicals will be stored in steel drums
e) Are there any above or underground chemical storage tanks on-site?		N/A	No chemicals will be stored underground
f) Are any of the chemicals toxic or harmful? How many of them are hazardous?			
g) Are all the chemicals labelled?			
h) Are the chemical containers' lid closed after use?		N/A	Chemicals will be stored in steel drums that close
i) Are records of chemicals and dyes usage maintained in the logbook?		N/A	All chemicals that will be on site will be kept on record and records will be shared with all relevant stakeholders e.g MET, MME, Nampol

10. SOLID AND HAZARDOUS WASTE MANAGEMENT	A	N/A	Comments
a) What kinds of solid waste are generated on-site?			Tailing, dump and heap leach wastes, and waste rocks
b) What is the quantity of solid waste generated?		N/A	Depend on resource after exploration
c) How is the solid waste disposed of?			Back filling of open pits
d) Is any of the waste reused or recycled?			Usage of waste materials for construction materials for locals
e) What are the sources of hazardous waste generation on-site?			Ore that contain copper
f) What is the quantity of hazardous waste generated?		N/A	Depend on ore to be processed
g) How is the hazardous waste disposed of?			Use for building materials and construction of roads etc
h) Are hazardous waste disposal records maintained?			yes, records will be kept and they will be shared with relevant stakeholders
i) Are any of the hazardous wastes treated on-site?			Yes, use to back fill pits
j) Where are the hazardous wastes stored before disposal?			on site

11. OCCUPATIONAL HEALTH AND SAFETY	A	N/A	Comments
a) Does the facility have a site emergency plan?		N/A	An emergency site will be established on site
b) If yes, then has this plan been documented?		N/A	Once ECC is obtained a plan will be shared with MET of the emergency site and exploration is to commence, as per the attached draft plan layout.
c) What are the recognized hazards in the facility?		N/A	Once Mining license is obtained all hazards will be identified

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d)	Are fire extinguishers available in the facility?	Yes	All mining equipments such as trucks and mine site will be equipt with fire extinguishers
e)	What type of fire extinguisher is available?		Firemate steel CO2, will be procured
f)	Are the fire extinguishers functional?	N/A	
g)	Are facility personnel trained in its use?	Yes	All employees undergo a safety training before commencement including having a safety officer on site
h)	Is personal protective equipment (PPE) available for use?	Yes	
i)	Do the workers use PPE?	Yes	All employees will be issued with PPE
j)	Are health check-ups for workers conducted?	Yes	Health checks will be compulsory for all employess on a monthly basis
k)	Do the workers know whom to contact in case of an emergency?	Yes	Safet officer office will be on site and all emergencies will be directed and communicated to that office.
l)	Has any accident ever occurred on-site?	No	Considering that exploration didn't yet commence pending ECC approval

Declarations

I, Matti L Shigweelha.....(full name of **PROPONENT**) understand and agree that the information that I have provided in this questionnaire will be used by the Environmental Commissioner. I accept that the Environmental Commissioner will hold me accountable for any inaccurate or misleading information knowingly provided in this questionnaire, and acknowledge that the provision of such information will impede the lawful carrying out of the responsibilities and functions of the Environmental Commissioner.

I declare that the information that I have provided in this questionnaire is to the best of my knowledge, true and

Reliable.

Signature: M Shigweelha.....

Date: 28/02/2024.....

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