

MSA DUE DILIGENCE MINE VISIT REPORT

COMPANY: [REDACTED]

Date visit: May 6th, 2014

MSA staff: Jean de la Paix Ngizimana, Senior Geologist

Patrick Kanyambiriri, Marketing Officer

1. Background

MSA, through its Marketing Department and Due Diligence Team, makes visits to its suppliers' mines as requested by the OECD Model Supply Chain Policy and due diligence guidance for OECD responsible Global Supply chains of Minerals from conflict and high risk area. During the visit, MSA gets to know how the mining operations are run and advises on good mining practices when necessary. The focus of the visit is also to reinforce the business relationship between MSA and the supplier. Please note that the following information relates to the date we visited the mine.

2. Company Identification

2.1 Administrative Location

Province	District	Sector	Cell
East Province	Bugesera	[REDACTED]	[REDACTED]

2.2. Company Legal status

Individual share holders	Coop	Permit / License type				Manager / Representative details	
		Exploration	Mining	Date issued	Expiry date	Names	Tel
Yes	No	Yes	No	2012	2016	[REDACTED]	[REDACTED]

2.3. Mining operation sites GPS coordinates

SN	Name	GPS coordinates / Datum : WGS 84 – Transverse Mercator				
		Easting (X)	Northing (Y)	Mineral type	Operation size	
					Artisnal	Industrial
1				Cassiterite	Yes	No
2				Mixed coltan and cassiterite	Yes	No

3. Production

3.1. Mining activities

SN		Mining history	Time visit Magnitude mining activities			
			High	Medium	Low	Closed
1		Recent	No	Yes	No	No
2		Recent	No	No	No	Yes

3.2. Mining operations type

SN	Mining Site	Type of mining operations		
		Open pit	Underground	
			Shafts	Tunnels
1		Yes	No	No
2		Yes	No	No

3.3. Production details

SN	Mining Site	Mineral concentrates: Mine book production recording					
		Period	Type	Quantity Kg / month	MSA Agent comments		
					Reasonable	Month average supply to MSA	Comment
1	██████████	2014	Cassitrite	500 kg	Yes	Cassiterite:3 684 kg from all ██████████ concessions	The company has a concession in Kigali suburbs and a concession in East Province
2	██████████	2014	Mixed coltan and cassiterite	Closed temporally	Closed temporally	Closed temporally	Tin site was first priority for the company, they will restart mining operations soon.

4. Mine workers

Total number			Permanent		Temporary / Casuals		Number worker on site at time visit		Payment			Empl o y e e s a g e r a n g e
			Mal e	Fema le	Mal e	Fe mal e	M	F	Month salary		Kg produced	
									Ban k acc oun t	Cash	Amount (RwF) / kg	
██████████		100	23	2	75	0	70	30	-	-	3000	

5. Mineral processing

Minerals washing water availability					Type of minerals processing				Comment
Gravity water	Pumping	EWASA	Water truck	Water jerry cans	Ground sluicing	Wood sluice	Concrete sluice	Plant	-
No	Yes	No	No	No	Yes	No	No	No	

6. Mining safety

Mining site	Open pit mining safety risk factors			Underground Pit / tunnels mining safety risk factors			Injury accident recorded	Death accident recorded
	Steep walls	Falling rocks	Fence around deep pit	Wood support	Unstable hanging rocks	Underground water		
	No	No	No	Yes	No	No	0	0
	No	No	No	No	No	No	0	0

7. Environment protection

7.1. Negative Environmental mining practices

Erosion by water booming to remove overburden (Kunihura)	Washing ore minerals / releasing waste in stream	Landscape degradation (digging anarchy holes)	Unauthorized cutting trees / deforestation
No	No	No	No

7.2. Positive Environmental mining practices

Settling dams (Number)	Minerals waste dumping site /	Waste solid rock dumping site	Nursery / Planting trees / Anti erosive terraces	Comment
1	No	No	No	-

8. Health and Safety

8.1. Personnel Protection Equipment (PPE)

Total Number working at site		Number workers wearing overalls	Number workers wearing helmets	Number workers wearing rain boots	Number workers wearing gloves	Number workers wearing dust masks
██████████	100	100	100	100	20	20

8.2. First Aid kit

First aid kit available on mining site	Number Trained workers in team for first aid help
Yes	4

8.3. Health Insurance

Total Number working at site		Number workers affiliated to Rwanda Social Security Board (RSSB)	Number workers affiliated to other insurance company	Toilets	Bathing shelter		Working clothing changing room	
					Male	Female	Male	Female
██████████	100	8	5	Yes	Yes	Yes	Yes	Yes
██████████	-	closed	closed	closed	closed	closed	closed	closed

9. Conclusions and recommendations

a. Production

██████████ concession in Bugesera is a northern extension of ██████████ tin concession which has been mined from colonial time with the same type of tin bearing quartz veins hosted in schist and sandstone; therefore, this ██████████ concession may contain tin potentials.

MSA team recommends exploration of tin in colluviums by pitting and trenching and put inclined drifts along the four mineralized veins identified in the main tunnel.

MSA team advise the company to reopen the pit on the tin and tantalum bearing pegmatite by benching a small section and checking the tantalum potentials of the two pegmatite veins; the company has already his own excavator on the site and a bulldozer.

The company should build H&B concrete sluices to be able to recycle water and protect environment because the company site is close to Lake [REDACTED].

b. Mining safety

The main tunnel is safely timber supported.

b. Health and safety at work

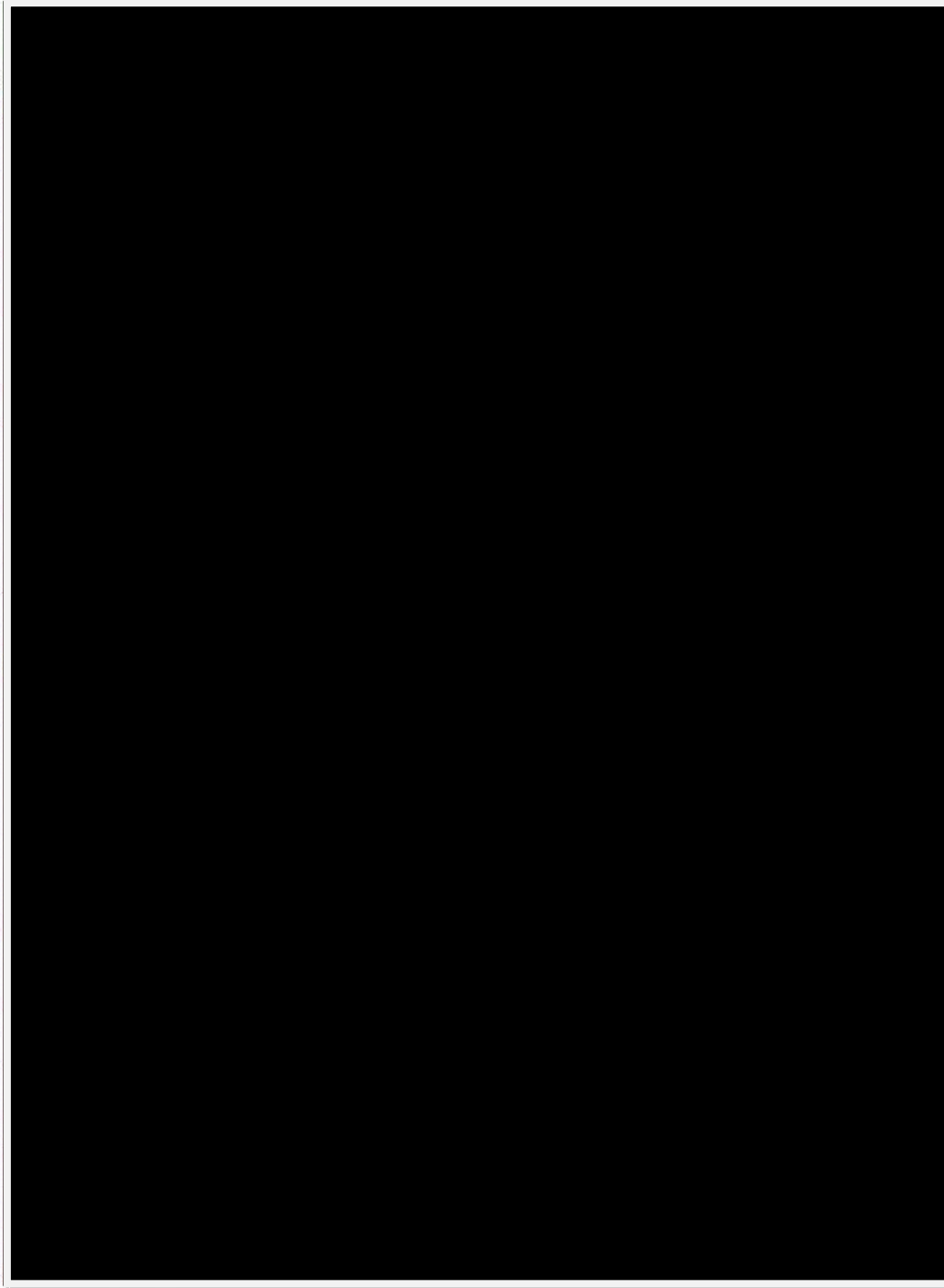
All the workers have and wear they Personnel Protection equipment (PPE) at work.

c. Environmental protection

There is no environmental problem.

ANNEXES

[REDACTED] MINES, BUGESERA DISTRICT



0 0.475 0.95 1.9 Kilometers

MSA
April 2014



Photo showing tin mine shaft at [REDACTED] Bugesera District.



Photo showing open pit mining operations at [REDACTED] Tantalum site, [REDACTED] Bugesera District.