













ECC-88 -271-REP-03-D

ENVIRONMENTAL COMPLIANCE REPORT FOR EPL 5402

Votorantim Metals Namibia (Pty) Ltd



MARCH 2020



TITLE AND APPROVAL PAGE

Project Name: Environmental Clearance Certificate Renewal- EPL 5402 Audit of Compliance

Project Number ECC-88 -271-REP-03-D

Client Name: Votorantim Metals Namibia (Pty) Ltd

Ministry Reference: Environmental Clearance Certificate as Attached

Status of Report: Final submitted to the government

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Review Period NA

Environmental Compliance Consultancy Contact Details:

We welcome any enquiries regarding this document and its content please contact:

Stephan Bezuidenhout Jessica Mooney

Director & Principal Environmental Practitioner Director & Principal Environmental Practitioner

Tel: +264 81 669 7608 Tel: +264 81 669 7608

Email: stephan@eccenvironmental.com Email: jessica@eccenvironmental.com

www.eccenvironmental.com www.eccenvironmental.com

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DEFINITIONS AND ABBREVIATIONS

ECC Environmental Compliance Consultancy
EMA Environmental Management Act
EMP Environmental Management Plan
EPL Exclusive Prospecting Licence

Ha Hectares

IP Induced Polarization

MET Ministry of Environment and Tourism

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1 INTRODUCTION

1.1 Purpose of Report

The purpose of this report is to present the findings of an environmental compliance audit for the activities that have occurred on the Exclusive Prospecting Licence (EPL) 5402 over the reporting period. The reporting period is from August 2017 – August 2019. This report accompanies the renewal application for the environmental clearance certificate, submitted to the Ministry of Environment and Tourism (MET). The commitments contained in the Environmental Management Plan (EMP) approved in terms of the Environmental Management Act, No. 7 of 2007 have been used for the audit, which is included in chapter 3.

1.2 PROJECT INTRODUCTION

Votorantim Metal Namibia (Pty) Ltd holds the EPL 5402 and conducts exploration activities for base and rare metals, industrial minerals, and precious metals. In terms of the Environmental Management Act, No.7 of 2007 a renewal application for the project's environmental clearance certificate is required. As part of this application, an environmental compliance review of the works undertaken on-site and compliance with the revised EMP is to be submitted to the MET.

The EPL 5402 covers an area of approximately 36024 ha and is located approximately 40km northwest of Otavi in the Otjozondjupa Region (refer to FIGURE 1).

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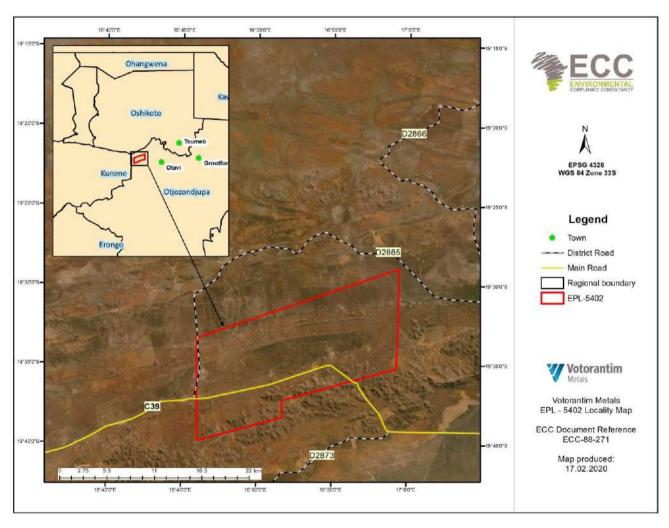


FIGURE 1 – A SATELLITE IMAGE INDICATING THE LOCATION OF EPL 5402



1.3 ENVIRONMENTAL CONSULTANCY

Environmental Compliance Consultancy (ECC), a Namibian consultancy registration number 2013/11401, has prepared this report on behalf of the proponent. ECC operates exclusively in the environmental, social, health and safety fields for clients in Namibia in the public and private sector. ECC is independent of the proponent and has no vested or financial interest in the project, except for fair remuneration for professional services rendered.

All compliance and regulatory comments or enquire regarding this assessment document should be forwarded by email or posted to the following address:

Environmental Compliance Consultancy

PO BOX 9193

Klein Windhoek, Namibia Tel: +264 81 6697608

Email: info@eccenvironmental.com

1.4 THE PROPONENT OF THE PROPOSED PROJECT

Votorantim Metal Namibia (Pty) Ltd owns EPL 5402. Details of the proponent are provided TABLE 1.

TABLE 1 - PROPONENT DETAILS OF VOTORANTIM METALS NAMIBIA (PTY) LTD

CONTACT	POSTAL ADDRESS	EMAIL ADDRESS	TELEPHONE
Votorantim Metals Namibia (Pty) Ltd	P O Box 97957,	ext.yvonnenh@nexaresources.com	+264 61 221 016
Ms Yvonne Natalie Hass (Manager)	Maerua, Windhoek		
	Namibia		

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2 BACKGROUND AND SITE OVERVIEW

This section provides a brief overview of the exploration activities on EPL 5402. Votorantim Metals Namibia (Pty) Ltd (herein referred to as the proponent) conducts exploration activities on the above-mentioned EPL. A number of activities have already taken place on the site including core drilling and geological sampling. The objective of the exploration programmes is to generate geological data and identify possible base and rare metals, industrial minerals and precious metals. To date, work completed on the EPL includes line cutting, geochemical and geophysical surveys and, drilling.

2.1 ACTIVITIES ON EPL 5402

During the reporting period August 2017 – August 2019 the following activities were conducted:

- Geological soil (sampling on foot)
- Geological mapping
- Core drilling
- Geophysical Induced Polarization (IP) and Natural Source Audio Magneto Telluric (NSAMT) surveys on three farms (Arbeidsgenot, Blyerus and Beatry's)
- It is estimated that approximately 5km existing farm tracks were cleared along fences
- Two field teams (total 4 to 6 staff) were deployed in the field and temporary staff (up to 13) were employed for IP survey
- Approximately 40km of narrow cut lines (width 0.5 to 1.0m) were cut in bush-encroached areas to allow access for the IP Survey
- Small holes drilled in the topsoil for the IP electrodes were rehabilitated in the target areas T-13 and T-14
- Furthermore, another 40 holes were made for the finite electrodes size (0.3m x 0.3m x 0.3m), and 15 holes were made for finite electrodes (size 0.5m x 0.5m x 0.5m) in the same area. All these holes were rehabilitated after the survey. See attached maps in Appendix B.

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3 ENVIRONMENTAL COMPLIANCE AUDITS

3.1 ANNUAL COMPLIANCE AUDIT

Exploration work is carried out in compliance with the approved EMP granted in terms of the Environmental Management Act, No.7 of 2007, and the Minerals (Prospecting and Mining) Act, 1992. During the reporting period (2017-2019) several activities, including follow up groundwork (line cutting, geochemical and geophysical surveys) and drilling works were carried out on the exploration licence.

This audit was conducted through a series of desktop assessments, revision of relevant reports, and verification of owner documentation, photographs and all records made available to ECC.

3.2 Demonstration of Proactive and Best Practice Environmental Management

This section outlines proactive and good environmental management practices carried out by the proponent during the reporting period.

DRILLING REHABILITATION

The proponent ensured successful rehabilitation of all its sites at the end of each drilling programme, including:

- Access tracks that were opened manually (by-hand), to avoid the use of machinery that could remove the
 fertile soil cover and generate irregularities in the natural terrain. Priority was given to places with less
 vegetation, sparing the medium to large trees.
- The sites followed the standard requirements of the company, with the demarcation of boundaries by barricading tape, bunding (plastic protection) under the rig to avoid contamination of the soil by oils and greases (refer to Figure 3).

GOOD RELATIONSHIPS WITH LANDOWNERS

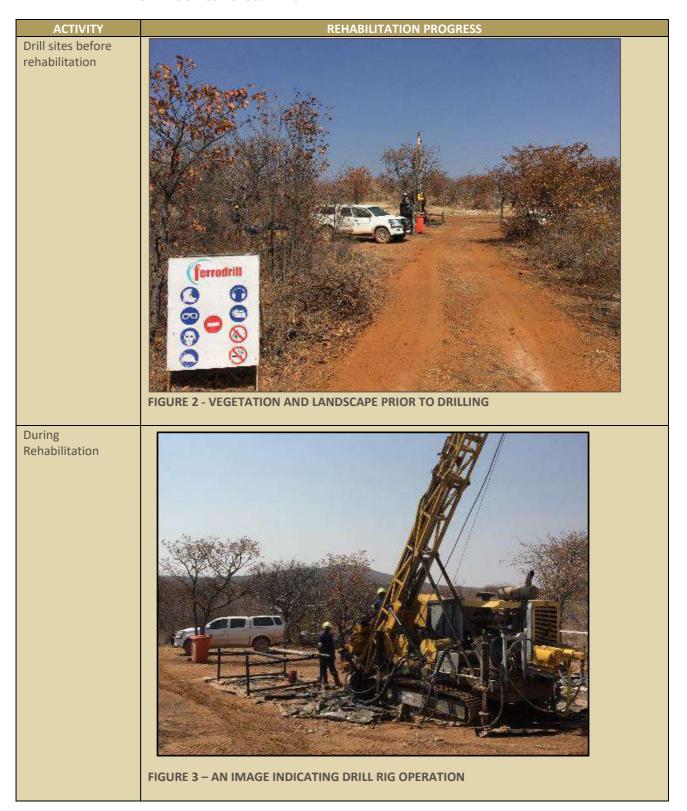
- All access tracks made (1.2km 1.77km) were made with the consent of private landowners, in areas that were bush encroached for drilling access.
- Access tracks are maintained for future exploration activities and all farmers are aware of the recovery methods used.

Drill holes were rehabilitated, closed/capped and the site was cleaned.

Table 2 shows the rehabilitation progress across the site during the reporting period.

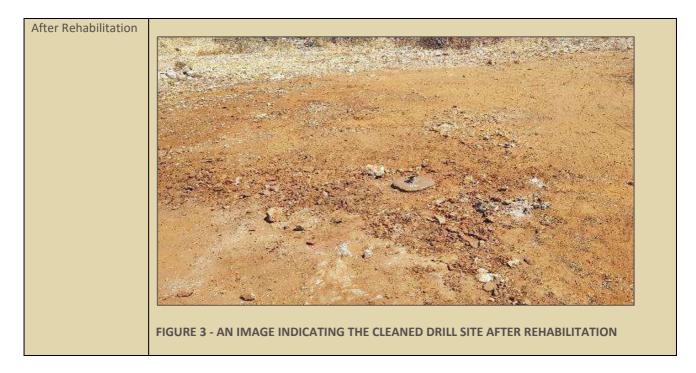


TABLE 2 - REHABILITAION PROGRESS ACROSS THE SITE



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3.3 COMPLIANCE AUDIT FINDINGS

The section outlines the findings of the environmental audit completed for the project. It addresses obligations in terms of the key acts that govern the activities on the site, the commitments made in the EMP, and presents the findings and recommended corrective actions where applicable.

This audit was conducted through a series of desktop assessments, revision of relevant reports, and verification of owner documentation, photographs and all records made available to ECC.



TABLE 3 – EXPLORATION EMP AUDIT FOR EPL 5402

REFERENCE	ASPECT AND IMPACT	MITIGATION ACTIONS AND MANAGEMENT COMMITMENTS	MONITORING	FINDINGS/ OBSERVATIONS	COMPLIANCE	RECOMMENDED ACTIONS
Use of vehicles and equipment	 Hygiene and Safety 	- Amenities (e.g. portable toilets) shall be provided and set up in a suitable location (if required) (in accordance with the EMP, p.17)	- Implementation of the EMP		Compliant	
	– Emissions	 All vehicles and machinery/ equipment to be shut down or throttled back between periods of use (in accordance with the EMP, p.17) 	 Implementation of the EMP 		Compliant	

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REFERENCE	ASPECT AND IMPACT	MITIGATION ACTIONS AND MANAGEMENT COMMITMENTS	MONITORING	FINDINGS/ OBSERVATIONS	COMPLIANCE	RECOMMENDED ACTIONS
	- The potential loss of oil and fuel causing ground contaminati on	- Refueling shall be undertaken in a designated area - All stationary vehicles and machinery must have drip trays to collect leakages of lubricants and oil - In the event of pollution, polluted soils must be collected and disposed of at an approved site - Drill chemicals need to be approved to be non-	- Implementation of the EMP - Implementation	- No evidence on non-compliance	Compliant	
	contaminati on	hazardous and biodegradable - Water during drilling should be retained in a lined pond to prevent pollution - A 'good housekeeping' policy shall be adopted across the construction and maintenance working area (in accordance with the EMP, p.17)	of the EMP	- No evidence on non-compliance	Compilant	
	– Dust generation	 Use existing access roads and tracks where possible Apply dust suppression methods such as water spraying during drilling operations 	- Implementation of the EMP	– No evidence on non-compliance	Compliant	

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REFERENCE	ASPECT AND IMPACT	MITIGATION ACTIONS AND MANAGEMENT COMMITMENTS	MONITORING	FINDINGS/ OBSERVATIONS	COMPLIANCE	RECOMMENDED ACTIONS
		 Restricted speeds (<30km/h), and Specific activities that may generate dust and impact on residents shall be avoided during high wind events (in accordance with the EMP, p.17). 				
	- Noise generation	 Noise shall be minimised as much as possible during the exploration works No hammering of drill rods with steel hammers in proximity to nearby farmhouses Drill equipment shall be suitably positioned to ensure that noisy equipment is away from human receptors Noise suppression measures shall be applied if drilling occurs in locations that may affect residents and during evening periods Residents shall be provided at least two weeks' notice of drilling operations within 1 km of their property, and Continual engagement with residents shall be 	- Implementation of the EMP	No evidence on non-compliance, no noise complaints have been recorded during the reporting period.	Compliant	

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REFERENCE	ASPECT AND IMPACT	MITIGATION ACTIONS AND MANAGEMENT COMMITMENTS undertaken with the proponent (in accordance with the EMP, p.17)	MONITORING	FINDINGS/ OBSERVATIONS	COMPLIANCE	RECOMMENDED ACTIONS
Vegetation clearance	 Reduced soil quality Removal of vegetation, and Loss of flora and fauna, protected/i mportant species. 	- Use existing tracks where possible (in accordance with the EMP, p.18) - Route new tracks around established and protected trees, and clumps of vegetation (in accordance with the EMP, p.18) - Identify rare, endangered, threatened and protected species. Demarcate and avoid cutting down, and highlight to exploration workers so that they are avoided (in accordance with the EMP, p.18)	- Implementation of the EMP	 Access tracks were opened manually (byhand) where possible, in order to avoid use of machinery that could remove the fertile soil cover and generate irregularities in the natural terrain. Priority was given to places with less vegetation (bush), sparing the medium to large trees 	Compliant	
Fuel handling and storage	- Loss of containmen t leading to ground or groundwat er contaminati on	 Safe Delivery and handling: Training employees and toolbox talks Good housekeeping across the site Fuel is handled with care Spill kits to be available for use during refueling, fuel delivery or use. Absorption material should be available. Where 	 Implementation of the EMP 	 The sites followed the standard requirements of the company, with, bunding (plastic protection) under the rig to avoid contamination of the soil by oils and greases 	Compliant	

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REFERENCE	ASPECT AND IMPACT	MITIGATION ACTIONS AND MANAGEMENT COMMITMENTS	MONITORING	FINDINGS/ OBSERVATIONS	COMPLIANCE	RECOMMENDED ACTIONS
		sawdust is used it should be cleaned up immediately and not left for long periods Any spill is to be reported to the Exploration Manager once containment has been achieved. Plant and equipment to be well maintained and serviced regularly, and In the field, the use of hydrocarbons under 200 liters can be used for mobile refueling or servicing. Fuel spills of greater than 200lts are to be reported to the MME in terms of the Petroleum Products and Energy Act, 1990 (in accordance with the EMP, p.19). Storage: All tanks to be stored on a non-porous floor and bunded area Bund to be capable of storing at least 110% of the volume of the tank All containers to be suitable for use and not damaged				

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REFERENCE	ASPECT AND IMPACT	MITIGATION ACTIONS AND MANAGEMENT COMMITMENTS	MONITORING	FINDINGS/ OBSERVATIONS	COMPLIANCE	RECOMMENDED ACTIONS
General Waste	 Nuisances (odors and visual) Land use, and Litter (nuisance and ecological risk) 	 Tanks are always locked, and Spill kits available at in suitable locations (in accordance with the EMP, p.19-20) Refueling Drip trays to be used during refueling of vehicles and on a permeable flat surface where possible, and Funnels should be available and used to avoid spillage during decanting (in accordance with the EMP, p.20) Good housekeeping across site (in accordance with the EMP, p.20) All working areas shall apply good housekeeping Implement the waste management hierarchy across site: Avoid, reuse, recycle, then disposal through burning or landfill (in accordance with the EMP, p.20) Waste shall be collected and shall be removed on a 	- Implementation of the EMP		Compliant	



REFERENCE	ASPECT AND IMPACT	MITIGATION ACTIONS AND MANAGEMENT COMMITMENTS	MONITORING	FINDINGS/ OBSERVATIONS	COMPLIANCE	RECOMMENDED ACTIONS
		regular basis to avoid pests and bad odours, and It is unlikely that hazardous material and wastes will be produced, however in the event that they do, they shall be managed in a safe and responsible manner to prevent contamination of soils, pollution of water and/or harm to people or animals as a result of the use of these materials. Hazardous and non-hazardous waste shall always be stored separately (in accordance with the EMP, p.20).				
General exploration activities	 Loss of access or access affected to the farm and farm areas, and Farm operations 	 Access to farms and all farm areas shall always be made available, and Water holes and feeding areas to remain unaffected (in accordance with the EMP, p.19). 	 Implementation of the EMP 	All access tracks were made with the consent of private landowners	Compliant	

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REFERENCE	ASPECT AND IMPACT	MITIGATION ACTIONS AND MANAGEMENT COMMITMENTS	MONITORING	FINDINGS/ OBSERVATIONS	COMPLIANCE	RECOMMENDED ACTIONS
Resource use	Inefficient use of water	 Use water effectively and efficiently (in accordance with the EMP, p.20). 	 Implementation of the EMP 	 Water was used sparingly mostly for human consumption, toilet, drilling and other uses. 	Compliant	
Job creation	Employment creation and skills development opportunities during the exploration phase.	 Maximise local employment and local business opportunities (in accordance with the EMP, p.20) Enhance the use of local labour and local skills as far as reasonably possible (in accordance with the EMP, p.20) Ensure that goods and services are sourced from 	- Implementation of the EMP	 Field teams, temporary staff and contract workers were employed during the reporting period 	Compliant	

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ENVIRONMENTAL COMPLIANCE REPORT EPL 5402

REFERENCE	ASPECT AND IMPACT	MITIGATION ACTIONS AND MANAGEMENT COMMITMENTS	MONITORING	FINDINGS/ OBSERVATIONS	COMPLIANCE	RECOMMENDED ACTIONS
		the local and regional economy as far as reasonably possible (in accordance with the EMP, p.20)				

3.4 CHANGES CONTAINED IN THIS RENEWAL APPLICATION

Votorantim has updated and standardized its EMP. The EMP attached to this application supersedes prior EMP's and its now followed on site.



4 CONCLUSION AND RECOMMENDATIONS

Exploration work is carried out in compliance with the relevant requirements of the Minerals (Prospecting and Mining) Act, 1992. Up until now, no significant impacts resulting from the current activities have been identified and management and mitigation measures are in place for potential risks.

It is recommended that the proponent continues to adhere to all environmental legislation and company standards to ensure that the best practical environmental protection continues as exploration activities progress.

On this basis, Environmental Compliance Consultancy is of the professional opinion that the proponent has been able to demonstrate compliance to the approved EMP and that the renewal for environmental clearance certificate should be granted to the proponent for the activities at the EPL 5402.

4.1 NEXT STEPS

The proponent has a development plan to continue with the exploration activities on EPL 5402 over the next period.

The proponent will continue to carry out the following activities:

- Geological Mapping Review of geological maps of the area and updating where relevant, should any further information be obtained.
- Geophysics The collection of information of the substrata, by air and ground, through sensors such as radar,
 magnetic and electromagnetic to detect any mineralisation in the area.
- Sampling Samples of soil and rock will be collected and sent for geochemical trace element analysis to
 determine if sufficient quantities of a base or precious metal or industrial mineral are present. These analyses
 are conducted by analytical chemistry laboratories.
- Drilling Holes will be drilled, and drill samples collected for analysis of major and trace elements.

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APPENDIX A: DRILL HOLES ON EPL 5402 DURING JUL-DEC REPORTING PERIOD

EPL 5402

List of Core (Diamond) Drill-holes drilled between April and June 2019:

Hole-ID	Position	E*	N*	Elev.**	Azim.	Incl.	E.O.H.***	Line
NAOTVDD0065	T13_01	688612	7830527	1415m	346.5*	-60°	386.52m	L1000E
NAOTVDD0066		688594	7830599	1416m	346.5*	-60*	236.49m	L1000E
NAOTVDD0067	T13_02	688229	7830422	1418m	346.5*	-60°	341.47m	L600E
NAOTVDD0068	T13_03	687858	7830252	1418m	346.5*	-60*	317.42m	L200E

^{*} UTM WGS84

^{**} above mean sea level

^{***} End-of-hole (drilled depth)



EPL 5402 - Drill-hole list - 2018

Drill-hole No.	X	Y	Z	Incl.	Azim.	Depth (m)
NAOTVDD0036	702942	7836977	1374	-55	180	308.19
NAOTVDD0037	689274	7830783	1430	-68	346.5	350.78
NAOTVDD0038	689370	7830810	1430	-60	346.5	317.68
NAOTVDD0039	689560	7830875	1430	-58	346.5	350.00
NAOTVDD0040	689371	7830805	1430	-71	346.5	338.68
NAOTVDD0041	689103	7830610	1430	-66	346.5	611.68
NAOTVDD0044	689188	7830709	1430	0	346.5	401.00
NAOTVDD0046	689208	7830630	1430	-68	346.5	514.68
NAOTVDD0047	702742	7836698	1380	-55	180	140.15
NAOTVDD0048	703142	7836700	1383	-55	180	116.17
NAOTVDD0049	702542	7836682	1384	-55	180	164.17
NAOTVDD0050	702542	7836846	1380	-55	180	260.17
NAOTVDD0051	689286	7830732	1428	-68	346.5	413.88
NAOTVDD0052	702344	7836568	1380	-55	180	116.19
NAOTVDD0053	688798	7830622	1427	-72	346.5	308.00
NAOTVDD0054	702143	7836600	1380	-55	180	179.34
NACTVDD0055	703542	7836729	1391	-55	180	125.37
NAOTVDD0056	704140	7836829	1380	-55	180	200.40
NAOTVDD0058	688896	7830963	1430	-60	346.5	300.00
NAOTVDD0059	704484	7836830	1380	-55	180	179.25
NAOTVDD0060	688853	7831139	1430	-60	346.5	251.78
NAOTVDD0063	688811	7831314	1430	-60	346.5	311.78
NAOTVDD0064	688789	7831412	1430	-60	346.5	190.00



Attachment to Bi-annual Report for EPL 5402 - 01 January to 30 June 2018

List of Water Borehole and Core Drillholes (drilled between 01 January and 30 June 2018)

Drill-hole type	Target	Line	Drillhole	×	Y	Z	Incl	Azim	Depth (m)	Comments
Core (diamond)	T-13	L1500E	DD-035	689089	7830670	1430	-66	346.5	578.00	E.O.H
Core (diamond)	T-13	L1700E	DD-037	689274	7830784	1419	-68	346.5	350.78	E.O.H
Core (diamond)	T-13	L1800E	DD-038	689369	7830809	1419	-60	346.5	317.68	E.O.H
Core (diamond)	T-14	L200W	DD-036	702942	7836977	1374	-55	180	66.90	current
Rotary Air-blast	Water	L1580E	RAB-001	689130	7830798	1327	-90	n/a	66.0	E.O.H.; water intersected at 3 depth intervals from 37m to 66m; total yield 30cubm

Attachment to Bi-annual Report for EPL 5402 - 01 January to 30 June 2018

Details of water borehole drilled at T-13

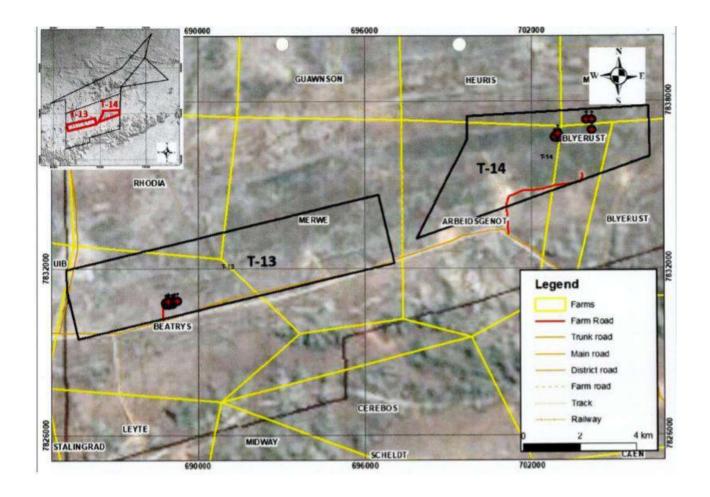
(WGS84 UTM Zone 33K, coordinates 689130E /7830798N /1347m a.m.s.l.)

Depth (m below surface)	Cumulative water yield (approximate)	From (m)	To (m)	Lithologies intersected
21m	4 cubm	0	37	Light-blue massive dolostone
30m	12 cubm	37	45	Dark-grey finely laminated dolostone
45m	20 cubm	45	47	Red shale
66m (E.O.H.)	30 cubm	47	66	Red shale & dark-grey dolostone with graphite

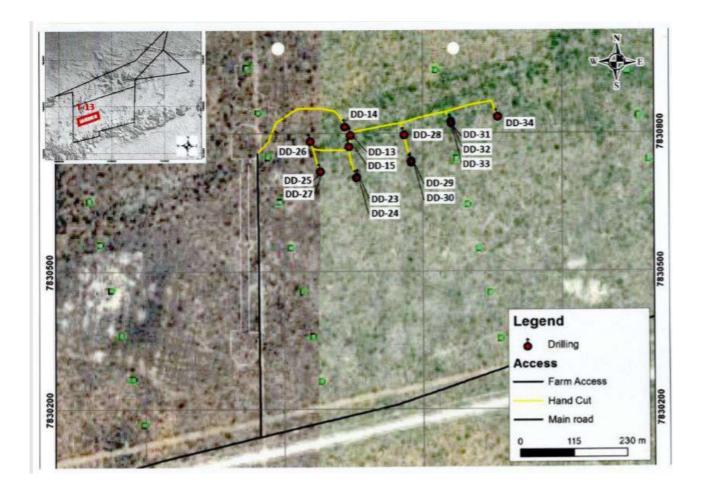
3m of metal casing was inserted into the 6.5" wide hole at the top to stabilize the borehole



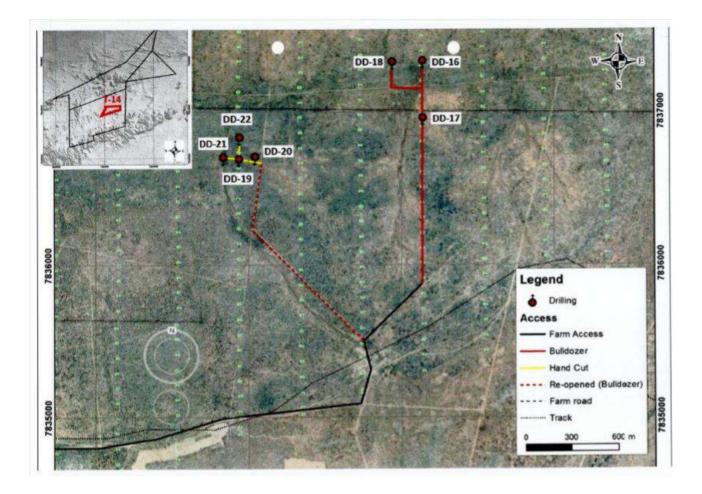
APPENDIX B: TARGET AREAS T-13 AND T-14













APPENDIX C: ENVIRONMENTAL CLEARANCE CERTIFICATE



MINISTRY OF ENVIRONMENT AND TOURISM

Tet (00 26461) 284 2111 Fax (00 26461) 229 936 Cnr Robert Mugabe & Dr Kerneth Kaunda Street Private Bag 13306 Windhoek Namibia

Enquiries: Mr Josafat K Hawana E-mail position for any affect goes or

9 August 2017

OFFICE OF THE ENVIRONMENTAL COMMISSIONER

The Managing Director Votorantim Metals Namibia (Pty) Ltd P. O. Box 97957 Macrua Park Windhoek Namibia

Dear Sir/Madam

SUBJECT: ENVIRONMENTAL CLEARANCE CERTIFICATE FOR THE EXCLUSIVE PROSPECTING LICENCE (EPL) 5402, 5399 AND 5482 SITUATED 40KM NORTHWEST OF OTAVI, OTJOZONDJUPA REGION

The Environmental Management Plan submitted is sufficient as it made provisions of the environmental management concerning the proposed activities. From this perspective, regular environmental monitoring and evaluations on environmental performance should be conducted. Targets for improvements should be established and monitored throughout this process.

This Ministry reserves the right to attach further legislative and regulatory conditions during the operational phase of the project.

On the basis of the above, this letter serves as an environmental clearance certificate for the project to continue. However, this clearance letter does not in any way hold the Ministry of Environment and Tourism accountable for any misleading information, nor any adverse effects that may arise from this project's activities. Instead, full accountability rests with Votorantim Metals Namibia (PTY) Ltd.

This environmental clearance is valid for a period of 3 (three) years, from the date of issue unless withdrawn by this office.

Yours sincerely.

Teofilus Nghitila
ENVIRONMENTAL COMMISSIONER

"Stop the poaching of our rhinos"

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ENVIRONMENTAL REPORT (ER) (Prospecting Companies)

INSTRUCTIONS:

 An Environmental Report shall be submitted to the Ministry of Environment and Tourism (MET) biannually. Jan to Jun and Jun to December: Please indicate:

01 January to 30 June 2017

- 2. This form shall be the minimum reporting format. Prospecting Companies are expected to attach a map of their prospecting area to this report. Prospecting Companies are welcome to attach any other information they like, such as copies of new agreements, letters of explanation, aerial photographs, or anything else of interest.
- 3. The map shall be used to indicate the following:
- * areas where prospecting has taken place.
- roads or tracks made and/or used,
- * houses and other infrastructure erected,
- excavations or other scars which have been rehabilitated,
- * conflict areas, etc
- It is recommended (but not compulsory) that Prospecting Companies attach
 photographs to their report, which visually illustrate the activities described in their
 report.
- Failure to submit an Environmental Report shall constitute a breach of the Environmental Contract, which could result in steps taken against the Prospecting Company.
- All information contained in the Environmental Report shall be treated as confidential.
- The Prospecting Company shall ensure that all the information recorded in the Environmental Report is, to their best knowledge, accurate and correct.

Completed Environmental Reports should be sent to:

The Permanent Secretary Ministry of Environment and Tourism Private Bag 13306 Windhoek

For Attention: Saima S. Angula



A. COMPANY DETAILS AND REPORTING PERIOD:

Name of Company: V	otorantim Metals Namibia	a (Pty) Ltd	
Address of Company: 97957, Maerua Park,	9B South Port Office Par Windhoek, Namibia	k, Hosea Kutako Avenue,	P O Box
Tel: 061-221016	Fax number: 061-231083	E-mail: efreyer@i	way.na
Name of person comp	iling report: E E Freyer		
Reference number(s)	of prospecting area / block	./ license: EPL 5402	
Geographical location Otjozondjupa Region	of area / block / license:	Grootfontein District,	
☑ January - June 201☑ July - December 20		nt box and fill in the year)	
	N AND WASTE		
been removed from the pr	tour serve a server and him a	yes 🗵	no 🗆
If "yes" above, specify the	site where such refuse has been	n deposited : Otavi municipal wa	ste dump
How often is refuse remov	ed to the site mentioned above	?: every week	
If refuse has not been ren	loved, where has it been dumpe	d? Otavi municipal waste dump	
As far as litter is concern describe your prospecting		Reasonably clean	Filthy 🗌
If your prospecting area	s littered with refuse, please inc	licate how you intend cleaning it	t up:
Refuse and litter found in t	he areas that we work in is collec	ted and removed to municipal was	te-dump
Are toilets provided for a	ll staff employed by the prospec	cting company: yes 🖂	по 🗌
If "yes" above, are they:	Flush toilets Chemical	Toilets Pit Latrines	Other 🗌
If chemical toilets are use Deposited in evaporation Buried on site	ed, how are old chemicals dispo	sed of : Deposited in a municipal refu Other (specify)	ise dump 🗌

C. VEHICLES AND EARTHMOVING EQUIPMENT

during the reporting period (tick box in front of the next boxes to indicate numbers)	rthmoving equipment used on site e category of vehicles used and then fill
Pick-up trucks ("bakkies"), either 2x4 or 4x4	How many in use up to 3
Lorries / trucks between 5 - 10 ton capacity	How many in use
Lorries / trucks larger than 10 ton capacity	How many in use
Bulldozer of any size	How many in use
Road Grader of any size	How many in use 🔲 🗌
Front-end loader of any size	How many in use
Drilling machine of any type	How many in use
Other (specify)	How many in use
D. ROADS AND TRACKS (In addition to roads/tracks made on an accompanying map in to rehabilitated (i.e. restored to their natural state) of the new roads or tracks been made during the report	olue ink. Roads which have been an be scratched out in red pen.
have new roads or tracks been made during the repor	ung period : yes 🗀 ao 🖂
If "yes" above how long are these (in kilometres)?	yes 🔲 no 🗌
If "yes" above are these still in use ?	yes 🔲 no 🗀
If "no" above have any of these roads or tracks been ro	ehabilitated? yes 🗌 no 🛛
If "yes" above, how have you done such rehabilitation Other (specify): left to rehabilitate naturally	?: Ripping . Raking . Sweeping .
If road / track rehabilitation has taken place, how man rehabilitated ? n/a	y kilometres of roads or tracks have been
E. TRENCHES OR PITS: If new trenches during the reporting period, please indicate thes means of illustrating them on the same map design.	e by ticking the appropriate boxes AND t cribed above. New pits or trenches made
should be numbered and drawn as a CIRCLE in l rehabilitated during the reporting period should	be scratched out in RED ink.
should be numbered and drawn as a CIRCLE in I rehabilitated during the reporting period should	be scratched out in RED ink.
should be numbered and drawn as a CIRCLE in I rehabilitated during the reporting period should Have new trenches or pits been excavated in your area	be scratched out in RED ink. I during the reporting period? yes 🛛 no 🗌
Have new trenches or pits been excavated in your area If "yes" above, what are their approximate sizes or dir Pit type No.1 (acquisition electrode): 788 holes at dimensions. Pit type No.2 (finite electrode): 40 holes at dimensions. Pit type No.3 (infinite electrode): 15 holes at dimensions. Trench / pit No.4: Size / dimensions: Cubic mensions.	mensions? (in metres) ensions 0.2m length x 0.2m width x 0.2m depth can be compared to the co
should be numbered and drawn as a CIRCLE in a rehabilitated during the reporting period should. Have new trenches or pits been excavated in your area. If "yes" above, what are their approximate sizes or dir. Pit type No.1 (acquisition electrode): 788 holes at dimension: 2. Pit type No.2 (finite electrode): 40 holes at dimension: 3. Pit type No.3 (infinite electrode): 15 holes at dimension: 4. Trench / pit No.4: Size / dimensions: Cubic me	the scratched out in RED ink. Induring the reporting period? yes ☑ no ☐ mensions? (in metres) ensions 0.2m length x 0.2m width x 0.2m depth s 0.3m length x 0.3m width x 0.3m depth ons 0.5m length x 0.5m width x 0.5m depth etres or ☐ length x ☐ breadth x ☐ depth MT surveys; all holes were closed after the survey.

F. INFRASTRUCTURAL DEVELOPMENT

Infrastructural Developments means any offices, houses, sheds, cement slabs, or other buildings or foundations for buildings. It also includes storage tanks (for water, fuel or other substances), temporary housing such as mobile homes & caravans, prefab units and tented camps. Please report on new construction or additions to buildings you reported on, in your previous Environmental Report.

Was any NEW infrastructure established durin f "yes" above, is this infrastructure: Perr	g this period ? yes 🔲 no 🖂 nanent 🔲 Temporary 🔲 A combination 🗍
Prefab st	Offices Housing Sheds Storage tanks Storage tanks Other
If "other", please specify: Staff is accommodat	
G. BOREHOLES, SAMPLE HOL This category includes holes drilled for wa setting explosives, for testing mineral qua	iter, for taking mineral or other samples, for
Were any holes drilled during this period? If "yes", for which purpose were they drilled?	yes no W Water depth Quantity Sampling depth up to M Quantity Explosives depth Quantity Quantity
Other (specify) total metera; List of borehole numbers and depths: n/a	ge: m quantity:
Trater mas obtained it on .	rehole 🗵 Dam 🗌 Water Affairs 🗌 Other 🗌
Please estimate the percentage of water used f	or the following activities during this period:
Toilets 10 % Prospecting activities □□ %	Were there any accidents which caused a loss of water? yes □ no √
Washing vehicles & equipment 5 % Dust control	If "yes", please give details
Recreation	

I. PROTECTION OF FAUNA AND FLORA

Vere any mammals, birds, reptiles or fish killed or wounded purposefully or accidentally) in the prospecting site or area? Vere any plants (excluding grasses) picked, damaged or removed? Vere any plants (excluding grasses) picked, damaged or removed? Vere there any wood collecting in the area? Vere there any conflicts with neighbours, land-owners, Government Officials or the public during this period? If "yes" above, what was the nature of these conflicts? (tick boxes to provide answers) People entered the prospecting area without permission or prior arrangement Complaints about reduced access to water or other resources Complaints about danger posed to livestock or wildlife Allegations about stock-theft or poaching Complaints about the activities / actions of company staff Allegations that the Company was not adhering to contracts / agreements Allegations that the Company damaged property or installations Allegations that the the company damaged property or installations Allegations that gates were left open or unlocked Other (specify). If conflicts arose, indicate how these were resolved? (tick boxes) Verbal agreement after discussions. Written agreement after discussions. Written agreement of the reptile of the reptile of the property or other third party arbitration. Other (specify). The conflicts remain unsolved.	Please answer the following questions by ticking the appropriate boxes :
Were there any conflicts with neighbours, land-owners, Yes No Government Officials or the public during this period? If "yes" above, what was the nature of these conflicts? (tick boxes to provide answers) People entered the prospecting area without permission or prior arrangement Complaints about reduced access to water or other resources Complaints about danger posed to livestock or wildlife Allegations about stock-theft or poaching Complaints about telice or equipment movement on access roads / tracks Complaints about the cor other types of pollution (eg. noise, dust, etc.) Complaints about the activities / actions of company staff Allegations that the Company was not adhering to contracts / agreements Allegations that the Company damaged property or installations Allegations that gates were left open or unlocked Other (specify). If conflicts arose, indicate how these were resolved? (tick boxes) Werbal agreement after discussions. Written agreement by special contract. Instructions to company staff to avoid conflicts. Company rectified its mistakes and undertook to avoid future wrong-doing Court action or other third party arbitration. Other (specify). Any other comments or information:	Question: Were any mammals, birds, reptiles or fish killed or wounded purposefully or accidentally) in the prospecting site or area?
Government Officials or the public during this period? If "yes" above, what was the nature of these conflicts? (tick boxes to provide answers) People entered the prospecting area without permission or prior arrangement	J. RELATIONS WITH NEIGHBOURS, OFFICIALS AND/OR THE GENERAL PUBLIC
People entered the prospecting area without permission or prior arrangement Complaints about reduced access to water or other resources Complaints about danger posed to livestock or wildlife Allegations about stock-theft or poaching Complaints about vehicle or equipment movement on access roads / tracks Complaints about litter or other types of pollution (eg. noise, dust, etc.) Complaints about the activities / actions of company staff Allegations that the Company was not adhering to contracts / agreements Allegations that the Company damaged property or installations Allegations that gates were left open or unlocked Other (specify). If conflicts arose, indicate how these were resolved? (tick boxes) Werbal agreement after discussions. Written agreement after discussions. Written agreement by special contract. Instructions to company staff to avoid conflicts. Company rectified its mistakes and undertook to avoid future wrong-doing. Other (specify). The conflicts remain unsolved. Any other comments or information:	Were there any conflicts with neighbours, land-owners, Yes ☐ No ☒ Government Officials or the public during this period ?
Complaints about reduced access to water or other resources Complaints about danger posed to livestock or wildlife Allegations about stock-theft or poaching Complaints about vehicle or equipment movement on access roads / tracks Complaints about litter or other types of pollution (eg. noise, dust, etc.) Complaints about the activities / actions of company staff Allegations that the Company was not adhering to contracts / agreements Allegations that the Company damaged property or installations Allegations that gates were left open or unlocked Other (specify) If conflicts arose, indicate how these were resolved? (tick boxes) Werbal agreement after discussions. Written agreement by special contract. Instructions to company staff to avoid conflicts. Company rectified its mistakes and undertook to avoid future wrong-doing. Court action or other third party arbitration. Other (specify) The conflicts remain unsolved	If "yes" above, what was the nature of these conflicts? (tick boxes to provide answers)
Verbal agreement after discussions	People entered the prospecting area without permission or prior arrangement Complaints about reduced access to water or other resources Complaints about danger posed to livestock or wildlife Allegations about stock-theft or poaching Complaints about vehicle or equipment movement on access roads / tracks Complaints about litter or other types of pollution (eg. noise, dust, etc.) Complaints about the activities / actions of company staff Allegations that the Company was not adhering to contracts / agreements Allegations that gates were left open or unlocked Other (specify)
Written agreement by special contract	If conflicts arose, indicate how these were resolved? (tick boxes)
	Verbal agreement after discussions
See next page for more space for "additional comments"	Any other comments or information :
See next page for more space for "additional comments"	
	See next page for more space for "additional comments"

Additional comments continued

Exploration activities included geochemical (soil) sampling on foot, geological mapping and geophysical IP and NSAMT surveys on three farms (Arbeidsgenot, Blyerus & Beatrys).
About 5km existing farm tracks were cleared (from sekelbos / dichrostachys invasion along fences and tracks)
Two field teams (total 4 to 6 staff) were deployed in the field. Temporary employment (up to 13 staff) was used for clearing bush in bush-encroached areas. Contract employment (14 staff) was used for the IP survey.
Some 40 km of narrow cutlines (width 0.5 to 1.0m) were cut in bush-encroached areas to allow access for the IP (induced polarization) survey.
Some 788 small holes made in the topsoil for IP electrodes were rehabilitated in the target areas T-13 and T-14. Another 40 holes were made for the finite electrode (size 0.3x0.3x0.3m), and 15 holes were made for the infinite electrode (size 0.5x0.5x0.5m) in the same areas. All these holes were closed after the survey.

AND
0.000000000000000000000000000000000000

I declare that the information provided in this Environmental Report is, to the best of my knowledge, accurate and correct.

8.8 Freye

Votorantim Metals Namibia (Pty) Ltd

Date

ENVIRONMENTAL REPORT (ER) (Prospecting Companies)

INSTRUCTIONS:

1. An Environmental Report shall be submitted to the Ministry of Environment and Tourism (MET) biannually. Jan to Jun and Jun to December: Please indicate:

01 July to 31 December 2017

- This form shall be the minimum reporting format. Prospecting Companies are expected to attach a map of their prospecting area to this report. Prospecting Companies are welcome to attach any other information they like, such as copies of new agreements, letters of explanation, aerial photographs, or anything else of interest
- The map shall be used to indicate the following:
- areas where prospecting has taken place.
- roads or tracks made and/or used,
- houses and other infrastructure erected.
- excavations or other scars which have been rehabilitated,
- conflict areas, etc
- 4. It is recommended (but not compulsory) that Prospecting Companies attach photographs to their report, which visually illustrate the activities described in their report.
- 5. Failure to submit an Environmental Report shall constitute a breach of the Environmental Contract, which could result in steps taken against the Prospecting Company.
- 6. All information contained in the Environmental Report shall be treated as confidential.
- 7. The Prospecting Company shall ensure that all the information recorded in the Environmental Report is, to their best knowledge, accurate and correct.

The Permanent Secretary Ministry of Environment and Tourism Private Bag 13306 Windhoek

For Attention: Saima S. Angula

Completed Environmental Reports should be sent to: AND TOURISM DEPARTMENT OF ENVIRONMENTAL AFFAIRS. 2018 -04- U4 RECEIVED

Environmental Report for Prospecting Companies

COMPANY DETAILS AND REPORTING PERIOD:

Name of Company: Votoranti	m Metals Namibia	(Pty) Ltd	
Address of Company: 9B Sout 97957, Maerua Park, Windhoe		, Hosea Kutako Avenue.	P O Box
Tel: 061-221016 Fax num	ber: 061-231083	E-mail: efreyer@	iway.na
Name of person compiling rep	ort: E E Freyer		
Reference number(s) of prospe	ecting area / block /	license: EPL 5402	
Geographical location of area Otjozondjupa Region	/ block / license: Gr	rootfontein District,	
This report is for the period of January - June 20 July - December 2017 Other (please specify)			
B. POLLUTION AND Has all domestic refuse (eg. Househobeen removed from the prospecting)	ld waste, bottles, tins, p	oaper, plastic, etc)	ne 🗆
If "yes" above, specify the site where			aste-dump
How often is refuse removed to the s	ite mentioned above ?	every week every two weeks every three weeks once a month at irregular intervals	
If refuse has not been removed, whe	re has it been dumped	? Otavi municipal wast-dump	
As far as litter is concerned, would y describe your prospecting area as :	ou Very clean 🖂	Reasonably clean	Filthy 🗌
If your prospecting area is littered we Refuse and litter found in the areas that	A CONTRACTOR OF THE PARTY OF TH		
Are toilets provided for all staff emp	loyed by the prospection	ng company: yes 🗵	no 🗌
If "yes" above, are they: Flush to	ilets Chemical To	ilets Pit Latrines 🖂	Other 🗌
If chemical toilets are used, how are Deposited in evaporation ponds Buried on site		d of : Deposited in a municipal ref Other (specify)	use dump 🗌

VEHICLES AND EARTHMOVING EQUIPMENT

in the next boxes to indicate numbers)	rthmoving equipment used on site e category of vehicles used and then fill
Pick-up trucks ("bakkies"), either 2x4 or 4x4	How many in use up to 4
Lorries / trucks between 5 - 10 ton capacity	How many in use up to 1
Lorries / trucks larger than 10 ton capacity	How many in use
Bulldozer of any size	How many in use up to 1
Road Grader of any size	How many in use
Front-end loader of any size	How many in use
Drilling machine of any type	How many in use up to 1
Other (specify)	How many in use 🔲 🗌
D. ROADS AND TRACKS (In addition to roads/tracks made on an accompanying map in be rehabilitated (i.e. restored to their natural state) of the roads during the restored.	olue ink. Roads which have been an be scratched out in red pen.
Have new roads or tracks been made during the repor	ting period? yes 🖂 no 🗌
If "yes" above, how long are these (in kilometres) ?	4.7km
If "yes" above are these still in use?	yes 🗵 no 🗌
If "no" above have any of these roads or tracks been ro	ehabilitated? yes 🗌 no 🖂
If "yes" above, how have you done such rehabilitation. Other (specify): access tracks were left to rehability.	?: ripping raking sweeping sweeping raking sweeping sweeping raking sweeping s
If road / track rehabilitation has taken place, how man rehabilitated? n/a	2000
If road / track rehabilitation has taken place, how man rehabilitated? n/a E. TRENCHES OR PITS: If new trenches during the reporting period, please indicate these means of illustrating them on the same map described by the numbered and drawn as a CIRCLE in the rehabilitated during the reporting period should in the same map described by the numbered and drawn as a CIRCLE in the rehabilitated during the reporting period should in the same map described by	y kilometres of roads or tracks have been s or pits were made in the site / area e by ticking the appropriate boxes AND by cribed above. New pits or trenches made, blue ink, while pits or trenches which were be scratched out in RED ink.
If road / track rehabilitation has taken place, how man rehabilitated? n/a E. TRENCHES OR PITS: If new trenches during the reporting period, please indicate these means of illustrating them on the same map described by the numbered and drawn as a CIRCLE in the rehabilitated during the reporting period should in the same map described by the numbered and drawn as a CIRCLE in the rehabilitated during the reporting period should in the same map are the same map a	y kilometres of roads or tracks have been s or pits were made in the site / area e by ticking the appropriate boxes AND by cribed above. New pits or trenches made, blue ink, while pits or trenches which were be scratched out in RED ink.
If road / track rehabilitation has taken place, how man rehabilitated? n/a E. TRENCHES OR PITS: If new trenches during the reporting period, please indicate these means of illustrating them on the same map described by the numbered and drawn as a CIRCLE in the rehabilitated during the reporting period should it. Have new trenches or pits been excavated in your area.	y kilometres of roads or tracks have been s or pits were made in the site / area e by ticking the appropriate boxes AND by cribed above. New pits or trenches made, blue ink, while pits or trenches which were be scratched out in RED ink. during the reporting period? yes no
If road / track rehabilitation has taken place, how man rehabilitated? n/a E. TRENCHES OR PITS: If new trenches during the reporting period, please indicate these means of illustrating them on the same map described be numbered and drawn as a CIRCLE in the rehabilitated during the reporting period should in the law trenches or pits been excavated in your area of the process of the company of the process of the law of the	y kilometres of roads or tracks have been s or pits were made in the site / area e by ticking the appropriate boxes AND by cribed above. New pits or trenches made, blue ink, while pits or trenches which were be scratched out in RED ink. during the reporting period? yes no mensions? (in metres)
If road / track rehabilitation has taken place, how man rehabilitated? n/a E. TRENCHES OR PITS: If new trenches during the reporting period, please indicate these means of illustrating them on the same map described should be numbered and drawn as a CIRCLE in the rehabilitated during the reporting period should in the new trenches or pits been excavated in your area. If "yes" above, what are their approximate sizes or directly in the company of the c	y kilometres of roads or tracks have been s or pits were made in the site / area e by ticking the appropriate boxes AND by cribed above. New pits or trenches made, blue ink, while pits or trenches which were be scratched out in RED ink. during the reporting period? yes no mensions? (in metres) tres or
If road / track rehabilitation has taken place, how man rehabilitated? n/a E. TRENCHES OR PITS: If new trenches during the reporting period, please indicate these means of illustrating them on the same map described should be numbered and drawn as a CIRCLE in the rehabilitated during the reporting period should in the new trenches or pits been excavated in your area of the pit No.1: Size / dimensions: Cubic means of the company of the pit No.2: Size / dimensions: Cubic means of the pit No.3: Size / dimen	s or pits were made in the site / area e by ticking the appropriate boxes AND by cribed above. New pits or trenches made, blue ink, while pits or trenches which were be scratched out in RED ink. during the reporting period? yes no mensions? (in metres) tres or length x breadth x depth tres or length x breadth x depth tres or length x breadth x depth
If road / track rehabilitation has taken place, how man rehabilitated? n/a E. TRENCHES OR PITS: If new trenches during the reporting period, please indicate these means of illustrating them on the same map desc should be numbered and drawn as a CIRCLE in the rehabilitated during the reporting period should in the new trenches or pits been excavated in your area. If "yes" above, what are their approximate sizes or directly above, what are their approximate sizes or directly above, what are their approximate sizes or directly above. The new form the new form of the ne	y kilometres of roads or tracks have been s or pits were made in the site / area e by ticking the appropriate boxes AND by cribed above. New pits or trenches made, blue ink, while pits or trenches which were be scratched out in RED ink. during the reporting period? yes no mensions? (in metres) tres or
If road / track rehabilitation has taken place, how man rehabilitated? n/a E. TRENCHES OR PITS: If new trenches during the reporting period, please indicate these means of illustrating them on the same map described should be numbered and drawn as a CIRCLE in the rehabilitated during the reporting period should in the same map described in the rehabilitated during the reporting period should in the same map described in the rehabilitated during the reporting period should in the same map described in the rehabilitated during the reporting period should in the same map described in t	s or pits were made in the site / area be by ticking the appropriate boxes AND by cribed above. New pits or trenches made, blue ink, while pits or trenches which were be scratched out in RED ink. I during the reporting period? yes no mensions? (in metres) tres or length x breadth x depth

F. INFRASTRUCTURAL DEVELOPMENT

Infrastructural Developments means any offices, houses, sheds, cement slabs, or other buildings or foundations for buildings. It also includes storage tanks (for water, fuel or other substances), temporary housing such as mobile homes & caravans, prefab units and tented camps. Please report on new construction or additions to buildings you reported on, in your previous Environmental Report.

Was any NEW infrastructure established during the state of the state o	
Describe infrastructure by ticking boxes: Of Prefab struc Cement s If "other", please specify: Staff is accommodated	slabs Foundations Other
accommodated in tents on drill-site or nearby cam	
G. BOREHOLES, SAMPLE HOLE: This category includes holes drilled for water setting explosives, for testing mineral quality	r, for taking mineral or other samples, for
	yes
Other [(specify) total meterage: List of borehole numbers and depths: see attached	
H. WATER Your estimated monthly water consumption during	ng this period was: 294 cubm
Water was obtained from: River☐ Boreh	nole Dam Water Affairs Other
Please estimate the percentage of water used for the Human consumption 8 %	the following activities during this period:
Toilets 0.5 %	Were there any accidents which caused
Prospecting activities \(\sum \subseteq \text{\tin}\text{\te}\tint{\text{\text{\text{\text{\text{\text{\text{\text{\texi}\text{\text{\text{\text{\text{\text{\text{\text{\text{\texi}\text{\texit{\text{\texi}\text{\text{\texicl{\texit{\texicl{\texi}\text{\texit{\text{\texi}\text{\text{\texi}\texit{\texi{\texi{\t	a loss of water? yes □ no √
Dust control	If "yes", please give details
Building activities	
Gardens	
Recreation	

I. PROTECTION OF FAUNA AND FLORA

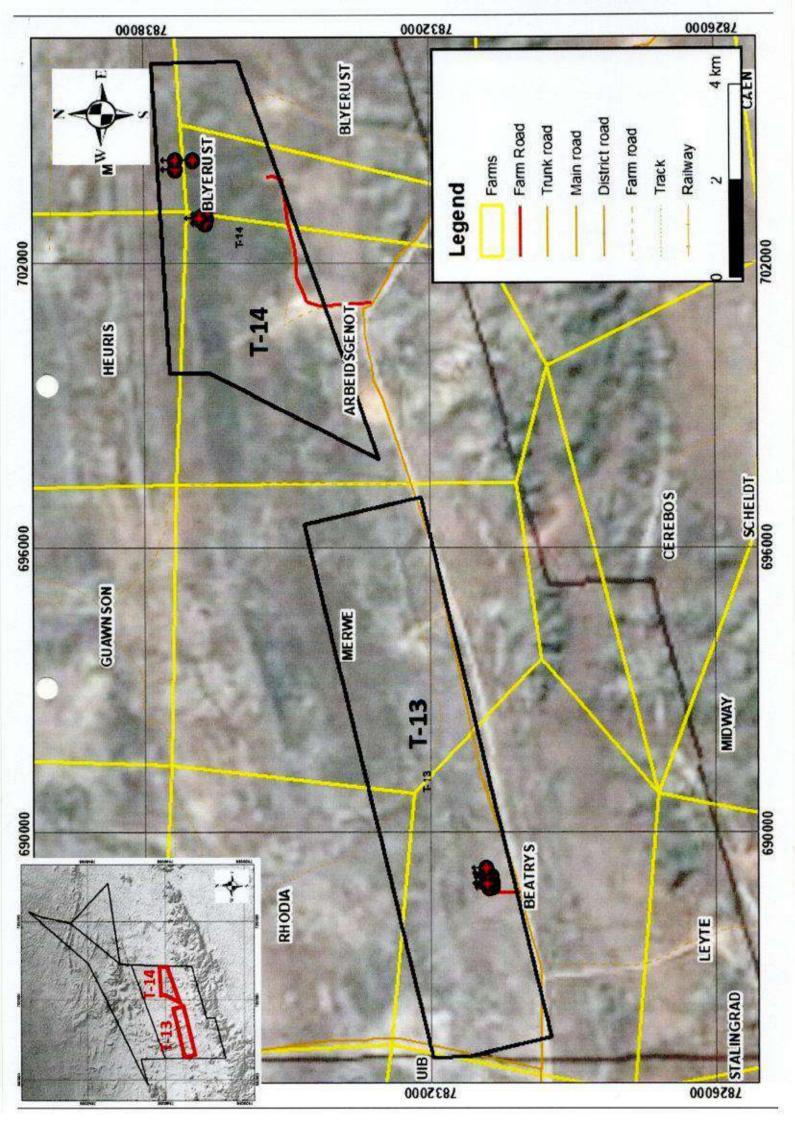
Please answer the following questions by ticking the appropriate boxes:	
Question: Yes No Unsure	
Were any mammals, birds, reptiles or fish killed or wounded	
purposefully or accidentally) in the prospecting site or area?	
Were any plants (excluding grasses) picked, damaged or removed?	
Was there any wood collecting in the area?	
was there any wood conecting in the area .	
J. RELATIONS WITH NEIGHBOURS, OFFICIALS AND/OR THE	
All representations and the second	
GENERAL PUBLIC	
Were there any conflicts with neighbours, land-owners, Yes No 🖂	
Government Officials or the public during this period ?	
AND AND THE PROPERTY OF THE PR	
If "yes" above, what was the nature of these conflicts? (tick boxes to provide answers)	
People entered the prospecting area without permission or prior arrangement	
Complaints about reduced access to water or other resources	
Complaints about danger posed to livestock or wildlife	
Allegations about stock-theft or poaching	
Complaints about vehicle or equipment movement on access roads / tracks	
Complaints about litter or other types of pollution (eg. noise, dust, etc.)	
Complaints about the activities / actions of company staff	
Allegations that the Company was not adhering to contracts / agreements	
The British Control of the Property of the Pro	
Allegations that gates were left open or unlocked	
Other (specify)	-
If conflicts arose, indicate how these were resolved? (tick boxes)	
Verbal agreement after discussions	
Written agreement by special contract	
Instructions to company staff to avoid conflicts	
Company rectified its mistakes and undertook to avoid future wrong-doing	
Court action or other third party arbitration	
Other (specify)	
The conflicts remain unsolved.	
The connects remain dissorred	
Any other comments or information :	
See next page for more space for "additional comments"	*****

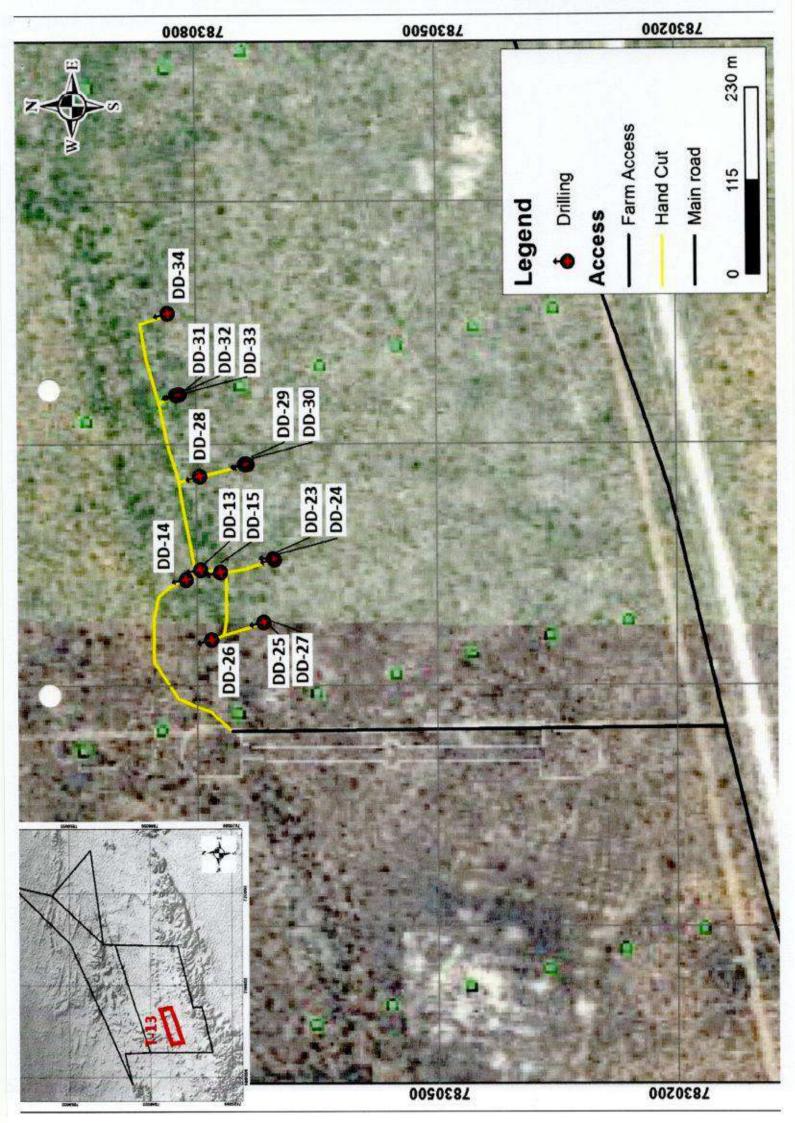
Additional comments continued

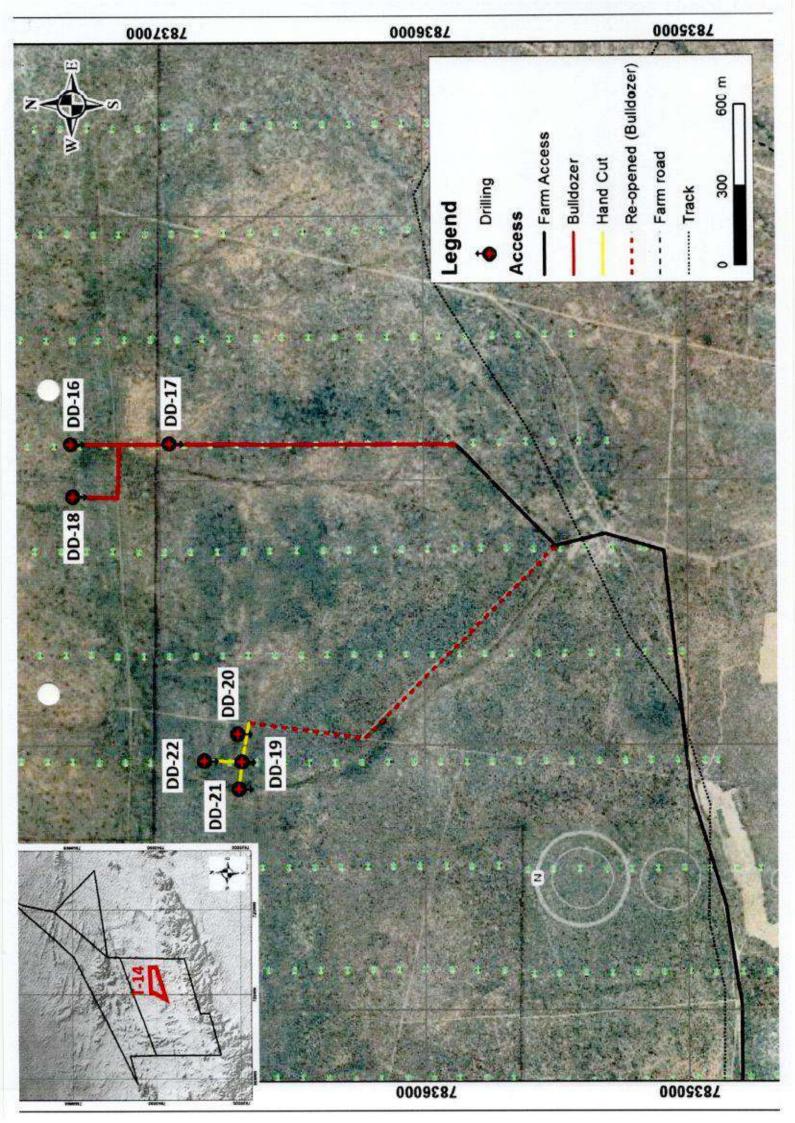
The main exploration activity during this half of 2017 on EPL 5402 was core drilling, lasting 5.5
months.
All access tracks made (about 4.7 km) were made with the consent of the private landowners.
Some 1830m new tracks were opened by bulldozer, which were left open at the request of the farm owner.
Some 1470m of existing, bush-encroached farm tracks were opened up for drilling access.
Some access tracks were made by hand (1380m), which left the soil undisturbed, increasing the chance
to rehabilitate naturally in the 2017 rainy season.
About 3.7km of these tracks are now available for productive use to the private land owner.
A drilling rehabilitation report that describes the effects of drilling on the environment, measures to
ameliorate the damage to the vegetation and to rehabilitate drill-sites is in preparation.
It will be appended to the next report.
Also appended is a drill-hole list that gives the exact location coordinates, drill-hole orientation
and drill-depth of the 19 core drill-holes drilled.
Three maps are also attached that show the target areas and locations of drill-holes at targets T-13 and
T-14.
,,

I declare that the information provided in this Environmental Report is, to the best of my knowledge, accurate and correct.

E Frage Votorantim Metals Namibia (Pty) Ltd 03/04/2018







ENVIRONMENTAL REPORT (ER) (Prospecting Companies)

INSTRUCTIONS:

 An Environmental Report shall be submitted to the Ministry of Environment and Tourism (MET) biannually. Jan to Jun and Jun to December: Please indicate:

01 January to 30 June 2018

- This form shall be the minimum reporting format. Prospecting Companies are
 expected to attach a map of their prospecting area to this report. Prospecting
 Companies are welcome to attach any other information they like, such as copies of
 new agreements, letters of explanation, aerial photographs, or anything else of
 interest.
- 3. The map shall be used to indicate the following:
- areas where prospecting has taken place.
- roads or tracks made and/or used,
- houses and other infrastructure erected.
- excavations or other scars which have been rehabilitated,
- conflict areas, etc....
- It is recommended (but not compulsory) that Prospecting Companies attach
 photographs to their report, which visually illustrate the activities described in their
 report.
- Failure to submit an Environmental Report shall constitute a breach of the Environmental Contract, which could result in steps taken against the Prospecting Company.
- All information contained in the Environmental Report shall be treated as confidential.
- The Prospecting Company shall ensure that all the information recorded in the Environmental Report is, to their best knowledge, accurate and correct.

Completed Environmental Reports should be sent to:

The Permanent Secretary Ministry of Environment and Tourism Private Bag 13306 Windhoek

For Attention: Saima S. Angula

COMPANY DETAILS AND REPORTING PERIOD:

Address of Company: 9B South Por 97957, Maerua Park, Windhoek, Na		, Hosea Kutako Avenue	, P O Box
Tel: 061-221016 Fax number: 0	61-231083	E-mail: efreyer@	iway.na
Name of person compiling report: I	E E Freyer		
Reference number(s) of prospecting	area / block /	license: EPL 5402	
Geographical location of area / bloc Otjozondjupa Region	k / license: Gr	rootfontein District,	
This report is for the period of : (tick January - June 2018 July - December 20	k the relevant	box and fill in the year)	
Other (please specify)	****************	20	
B. POLLUTION AND WAS	TE		
Has all domestic refuse (eg. Household was been removed from the prospecting area ?	te, bottles, tins, p	aper, plastic, etc) yes 🛭	no 🗆
If "yes" above, specify the site where such r	efuse has been d	eposited: Otavi municipal wa	aste-dump
How often is refuse removed to the site men	tioned above ? :	every week every two weeks every three weeks once a month at irregular intervals	
If refuse has not been removed, where has i	t been dumped ?	Otavi municipal waste dispo	sal site
As far as litter is concerned, would you describe your prospecting area as : V	ery clean 🗵	Reasonably clean	Filthy [
If your prospecting area is littered with refu Refuse and litter found in the areas that we wo			
Are toilets provided for all staff employed b	y the prospectin	g company : yes 🖂	no 🗌
re	Chemical Toil	lets Pit Latrines	Other 🗌
If "yes" above, are they : Flush toilets 🛛	Cacament For		Cotton []

C. VEHICLES AND EARTHMOVING EQUIPMENT

in the next boxes to indicate numbers)	rthmoving equipment used on site e category of vehicles used and then fill
Pick-up trucks ("bakkies"), either 2x4 or 4x4	T.
Lorries / trucks between 5 - 10 ton capacity	How many in use up to 4
Lorries / trucks larger than 10 ton capacity	How many in use up to 1
Bulldozer of any size	How many in use
Road Grader of any size	How many in use
Front-end loader of any size	How many in use
Drilling machine of any type	How many in use up to 1
Other (specify)	How many in use
D. ROADS AND TRACKS (In addition to roads/tracks made on an accompanying map in be rehabilitated (i.e. restored to their natural state) care	lue ink. Roads which have been
Have new roads or tracks been made during the report	ing period? yes 🛛 no 🗌
If "yes" above, how long are these (in kilometres)?	1.2km
If "yes" above are these still in use?	yes 🛛 no 🗌
f "no" above have any of these roads or tracks been re	habilitated? yes 🗌 no 🛛
If "yes" above, how have you done such rehabilitation? Other (specify): access tracks were left to rehabilitat	: ripping raking sweeping and attending to the same still in use
f road / track rehabilitation has taken place, how many	hilamatras of woods on trooks have be-
rehabilitated? n/a	knower es of roads or tracks have been
E. TRENCHES OR PITS: If new trenches during the reporting period, please indicate these means of illustrating them on the same map described by numbered and drawn as a CIRCLE in bl	or pits were made in the site / area by ticking the appropriate boxes AND by ibed above. New pits or trenches made, ue ink, while pits or trenches which were
E. TRENCHES OR PITS: If new trenches during the reporting period, please indicate these means of illustrating them on the same map described by the numbered and drawn as a CIRCLE in black and distributed during the reporting period should be reported and drawn as a circle in black and distributed during the reporting period should be reported.	or pits were made in the site / area by ticking the appropriate boxes AND by ibed above. New pits or trenches made, ue ink, while pits or trenches which were e scratched out in RED ink.
E. TRENCHES OR PITS: If new trenches during the reporting period, please indicate these means of illustrating them on the same map described be numbered and drawn as a CIRCLE in birehabilitated during the reporting period should be have new trenches or pits been excavated in your area of	or pits were made in the site / area by ticking the appropriate boxes AND by ibed above. New pits or trenches made, ue ink, while pits or trenches which were e scratched out in RED ink. during the reporting period ? yes no
E. TRENCHES OR PITS: If new trenches during the reporting period, please indicate these means of illustrating them on the same map described by the numbered and drawn as a CIRCLE in blacehabilitated during the reporting period should be have new trenches or pits been excavated in your area of "yes" above, what are their approximate sizes or dime	or pits were made in the site / area by ticking the appropriate boxes AND by ribed above. New pits or trenches made, ue ink, while pits or trenches which were e scratched out in RED ink. during the reporting period? yes no ensions? (in metres)
E. TRENCHES OR PITS: If new trenches during the reporting period, please indicate these means of illustrating them on the same map described by the same of the same map described by the same of the same map described by the same of th	or pits were made in the site / area by ticking the appropriate boxes AND by ribed above. New pits or trenches made, ue ink, while pits or trenches which were e scratched out in RED ink. during the reporting period? yes no ensions? (in metres)
E. TRENCHES OR PITS: If new trenches during the reporting period, please indicate these means of illustrating them on the same map described by the numbered and drawn as a CIRCLE in blacehabilitated during the reporting period should be deave new trenches or pits been excavated in your area of "yes" above, what are their approximate sizes or dime. Trench / pit No.1 (soil): 175 holes with dimensions 0.2m. Trench / pit No.2 (AMT & IP): 286 holes with dimensions 1. Trench / pit No.3: Size / dimensions:	or pits were made in the site / area by ticking the appropriate boxes AND by ribed above. New pits or trenches made, ue ink, while pits or trenches which were e scratched out in RED ink. during the reporting period? yes on one ensions? (in metres) length x 0.2m breadth x 0.2m depth as: 0.2m length x 0.2m breadth x 0.2m depth es or
E. TRENCHES OR PITS: If new trenches during the reporting period, please indicate these means of illustrating them on the same map described by the same map described by the same of the same map described by the same of the same map described by the same map described by the same of the same map described by the same of the same	or pits were made in the site / area by ticking the appropriate boxes AND by ribed above. New pits or trenches made, ue ink, while pits or trenches which were e scratched out in RED ink. during the reporting period? yes on one ensions? (in metres) length x 0.2m breadth x 0.2m depth as: 0.2m length x 0.2m breadth x 0.2m depth es or
E. TRENCHES OR PITS: If new trenches during the reporting period, please indicate these means of illustrating them on the same map described by the	or pits were made in the site / area by ticking the appropriate boxes AND by ribed above. New pits or trenches made, ue ink, while pits or trenches which were e scratched out in RED ink. during the reporting period? yes no nemotion of the reporting period? ensions? (in metres) length x 0.2m breadth x 0.2m depth as: 0.2m length x 0.2m breadth x 0.2m depth es or length x breadth x depth es or length x breadth x depth
E. TRENCHES OR PITS: If new trenches during the reporting period, please indicate these means of illustrating them on the same map described by the numbered and drawn as a CIRCLE in blacehabilitated during the reporting period should be deave new trenches or pits been excavated in your area of "yes" above, what are their approximate sizes or dime. Trench / pit No.1 (soil): 175 holes with dimensions 0.2m. Trench / pit No.2 (AMT & IP): 286 holes with dimensions 1. Trench / pit No.3: Size / dimensions:	or pits were made in the site / area by ticking the appropriate boxes AND by ribed above. New pits or trenches made, we ink, while pits or trenches which were e scratched out in RED ink. during the reporting period? yes \(\sum \) no \(\sum \) ensions? (in metres) length x 0.2m breadth x 0.2m depth as: 0.2m length x 0.2m breadth x 0.2m depth es or length x breadth x depth es or length x breadth x depth

F. INFRASTRUCTURAL DEVELOPMENT

Infrastructural Developments means any offices, houses, sheds, cement slabs, or other buildings or foundations for buildings. It also includes storage tanks (for water, fuel or other substances), temporary housing such as mobile homes & caravans, prefab units and tented camps. Please report on new construction or additions to buildings you reported on, in your previous Environmental Report.

Was any NEW infrastructure established If "yes" above, is this infrastructure:	during this period? yes 🛛 no 🗌 Permanent 🔲 Temporary 🔯 A combination 🗍
	Offices Housing Sheds efab structure Garages Storage tanks Cement slabs Foundations Other
	orehole was drilled to supply water for diamond drilling.
G. BOREHOLES, SAMPLE I This category includes holes drilled to setting explosives, for testing mineral	HOLES OR OTHER DRILLING for water, for taking mineral or other samples, for al quality, or any other purpose.
Were any holes drilled during this period If "yes", for which purpose were they drill	? yes ⊠ no ☐ lled ? Water ⊠ depth 66 m Quantity 1 Sampling ⊠ depths up to 578.0m Quantity 4 Explosives ☐ depth ☐ ☐ Quantity ☐ ☐
	eterage: []m quantity: attached list of drillholes and drillhole details as well as drill-
H. WATER Your estimated monthly water consumption	
Water was obtained from : River	Borehole Dam Water Affairs Other
Please estimate the percentage of water us Human consumption 8 %	sed for the following activities during this period:
Toilets	Were there any accidents which caused a loss of water? yes □ no √ If "yes", please give details

I. PROTECTION OF FAUNA AND FLORA

Please answer the following questions by ticking the appropriate boxes :
Question: Yes No Unsure
Were any mammals, birds, reptiles or fish killed or wounded
(purposefully or accidentally) in the prospecting site or area ?
Were any plants (excluding grasses) picked, damaged or removed ?
Was there any wood collecting in the area? fire-wood
J. RELATIONS WITH NEIGHBOURS, OFFICIALS AND/OR THE GENERAL PUBLIC
Were there any conflicts with neighbours, land-owners, Yes ☐ No ☒ Government Officials or the public during this period ?
If "yes" above, what was the nature of these conflicts? (tick boxes to provide answers)
People entered the prospecting area without permission or prior arrangement Complaints about reduced access to water or other resources Complaints about danger posed to livestock or wildlife Allegations about stock-theft or poaching Complaints about vehicle or equipment movement on access roads / tracks Complaints about litter or other types of pollution (eg. noise, dust, etc.) Complaints about the activities / actions of company staff Allegations that the Company was not adhering to contracts / agreements Allegations that the Company damaged property or installations Allegations that gates were left open or unlocked Other (specify)
Verbal agreement after discussions.
Any other comments or information :
See next page for more space for "additional comments"

Additional comments continued

The main exploration activity during the latter May and June 2018 was core drilling.
All access tracks made (about 1.2 km) were made with the consent of the private landowners.
The 1.2km access tracks in bush-encroached areas were opened up for drilling access.
The access tracks were made by hand (1200m), which left the soil undisturbed. This will allow bush
To re-grow naturally in the 2018 rainy season from roots that were left unharmed.
About 1.2km of these tracks are now available for productive use to the private land owner.
A drilling rehabilitation report that describes the effects of drilling and preventative measures to mitigate
effects on vegetation during the 2017 and 2016 drilling campaigns is attached.
Also appended is a drill-hole list that gives the exact location coordinates, drill-hole orientation
and drill-depth of 1 water borehole and 4 core (diamond) drill-holes drilled.
Two maps are attached that show the target areas and locations of drill-holes at targets T-13 and T-14.
Some 13.6km cut-lines (1.0m wide) were cut for geophysical surveys (AMT & IP).
Some 286 holes were dug for (AMT & IP) electrodes and were closed after use.
Some 175 soil samples (0.2m x 0.2m x 0.2m) were dug and closed after use.

I declare that the information provided in this Environmental Report is, to the best of my knowledge, accurate and correct.

Votorantim Metals Namibia (Pty) Ltd Southport, Office 9B, Hosea Kutako Drive PO Box 97957, Maerua Park Windhoek, Namibia Telephone Nr: +264 61 221016 ...Facsimile.Nr: +264 61 231083

Votorantim Metals Namibia (Pty) Ltd

Date

Attachment to Bi-annual Report for EPL 5402 - 01 January to 30 June 2018

List of Water Borehole and Core Drillholes (drilled between 01 January and 30 June 2018)

Drill-hole type	Target	Line	Drillhole	X	Y	Z	Incl	Azim	Depth (m)	Comments
Core (diamond)	T-13	L1500E	DD-035	689089	7830670	1430	-66	346.5	578.00	E.O.H
Core (diamond)	T-13	L1700E	DD-037	689274	7830784	1419	-68	346.5	350.78	E.O.H
Core (diamond)	T-13	L1800E	DD-038	689369	7830809	1419	-60	346.5	317.68	E.O.H
Core (diamond)	T-14	L200W	DD-036	702942	7836977	1374	-55	180	66.90	current
Rotary Air-blast	Water	L1580E	RAB-001	689130	7830798	1327	-90	n/a	66.0	E.O.H.; water intersected at 3 depth intervals from 37m to 66m; total yield 30cubm

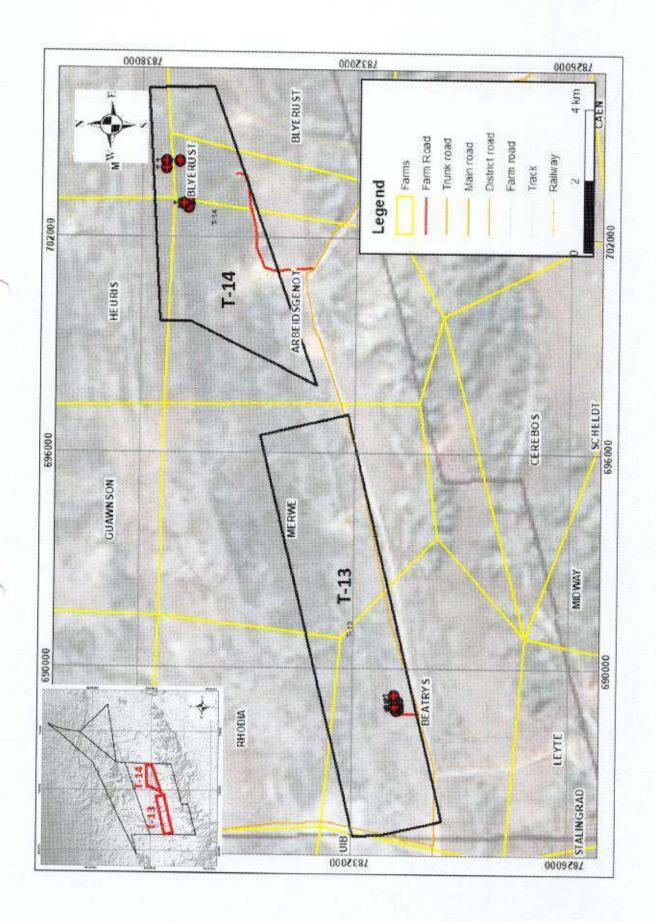
Attachment to Bi-annual Report for EPL 5402 - 01 January to 30 June 2018

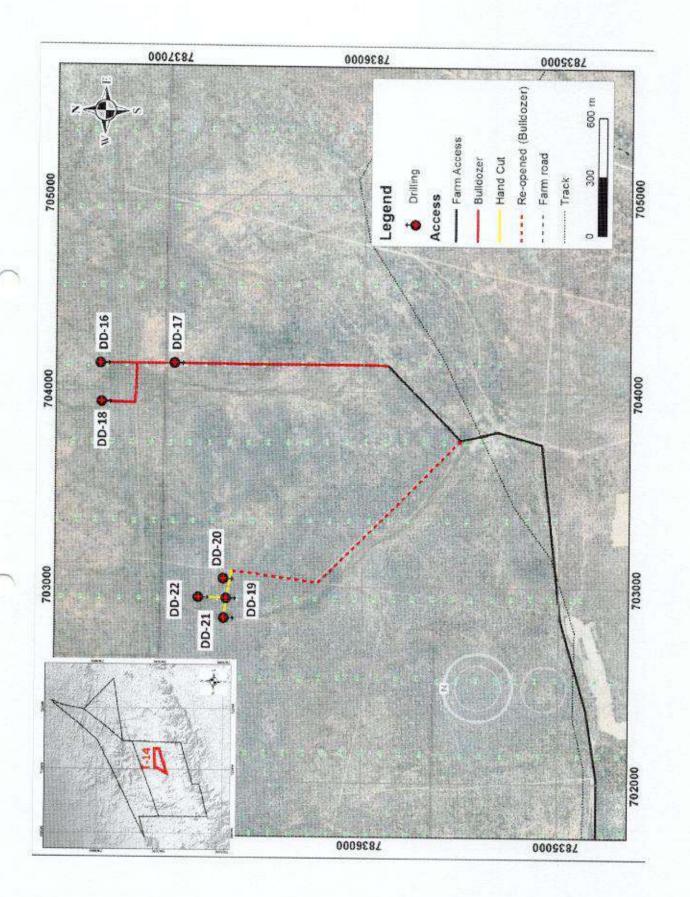
Details of water borehole drilled at T-13

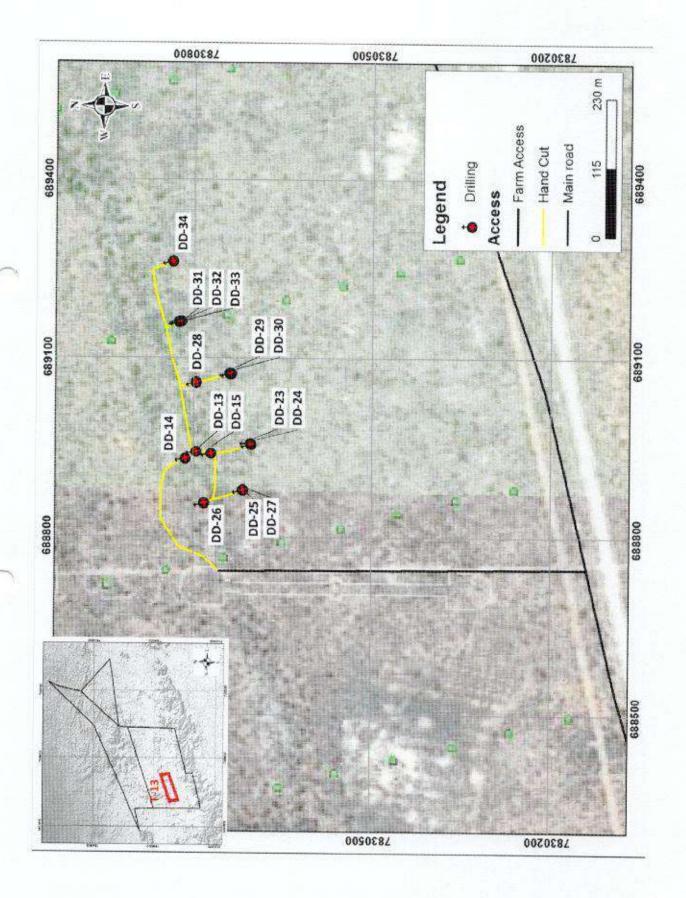
(WGS84 UTM Zone 33K, coordinates 689130E /7830798N /1347m a.m.s.l.)

Depth (m below surface)	Cumulative water yield (approximate)	From (m)	To (m)	Lithologies intersected
21m	4 cubm	0	37	Light-blue massive dolostone
30m	12 cubm	37	45	Dark-grey finely laminated dolostone
45m	20 cubm	45	47	Red shale
66m (E.O.H.)	30 cubm	47	66	Red shale & dark-grey dolostone with graphite

3m of metal casing was inserted into the 6.5" wide hole at the top to stabilize the borehole







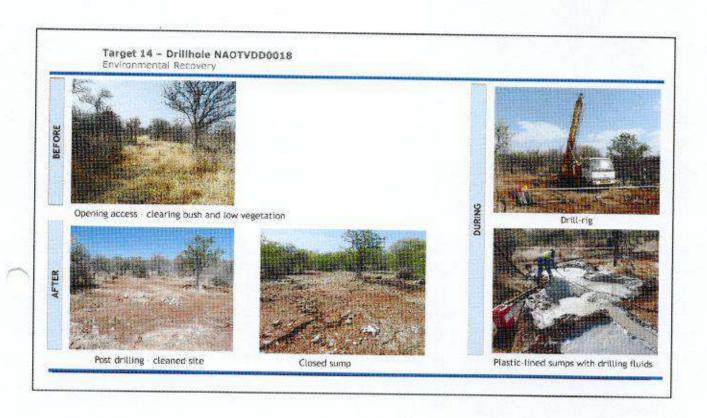


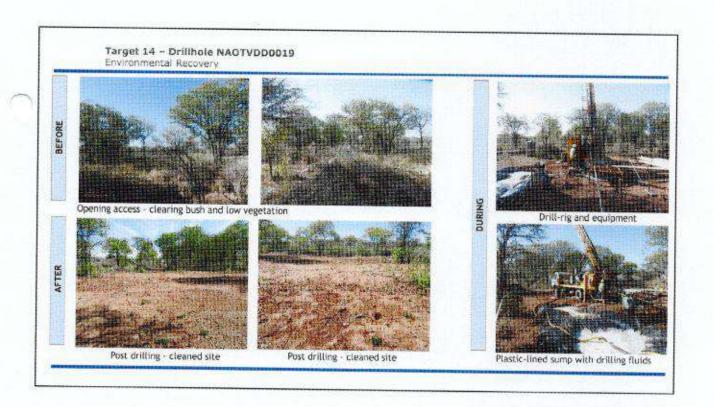
SUMMARY OF MITIGATING MEASURES TAKEN DURING DRILLING ACTIVITIES

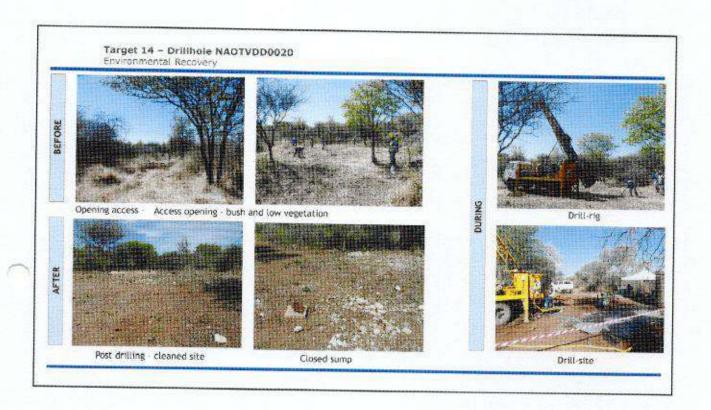
- This report aims to show the effect of diamond drilling on the environment in pictures, 1) before, 2) during and 3) after activities
 a) in 2017, after drilling equipment was removed, sumps closed and drilling slimes removed to the waste disposal site in Otavi, and
 b) of recovered drillistics shilled in 2016, one year after drilling.
- Drikl-sites and access kracks to drikl-sites are chosen where there are few trees. Bush is cut manually, leaving roots in place, in order to allow re-growth after drilling activities have ceased. Avoiding the use of buildozers also mitigates disturbance of the top-soil structure.
- The drift-sites are managed following company standards, with demarcation of boundaries by zebra tape, plastic sheet jining the surface under the rig to avoid contamination of the soil by oils and grease, chemical toilets on site and a shady gazetio for the drifting team to have lunch and rest.
- Dritting much and additives added to water to increase viscosity are biodegradable and should therefore not contaminate the groundwater. Water collection in
 dams fined with plastic sheet (called dritting sumps) are closed after dritting sumes with grease are taken to the Diaxi waste disposal site.
- The recovery of vegetation will occor gradually and naturally, because roots of chance vegetation were not removed. Grass is seeding naturally from seeds that
 are in the soil and grow during the next rainy season (November to April). Access tracks are left open for fixture exploration activities and the farmers' use. It
 should also be noted that all farmers welcome the opening of their generally bush-encoached farms.
- Access agreements are signed with land owners, they are regularly updated on exploration operations and compensated for access to the farm (for the opening of cut-lines and drilling access tracks, for each drilling drilling, the use of water for drilling and for the campsite used by the drilling team.
- Zero accidents were recorded during the 2017 drilling campaign.





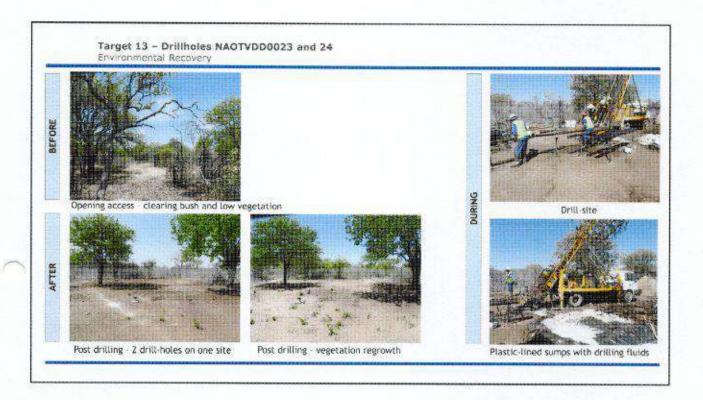


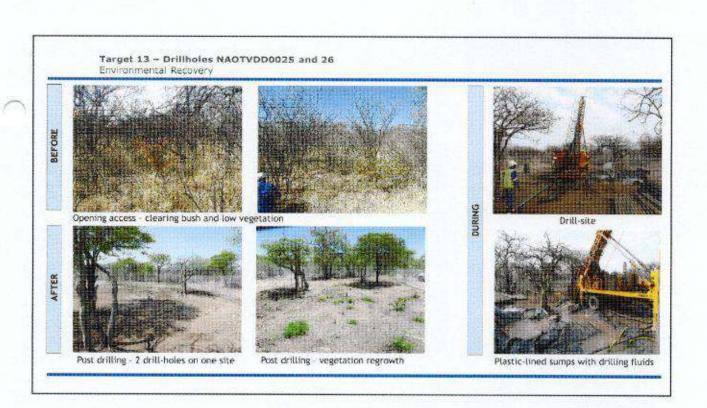


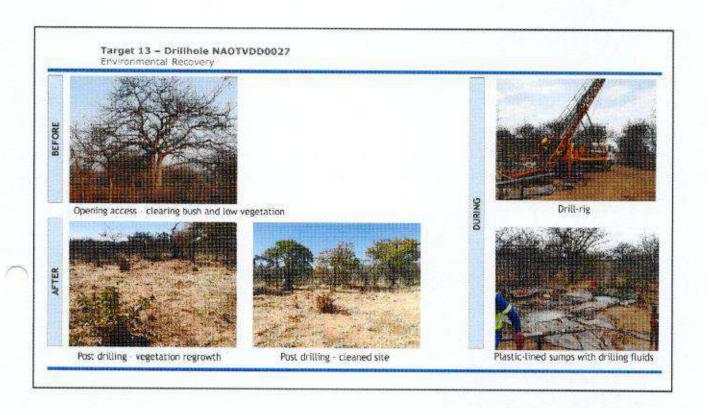




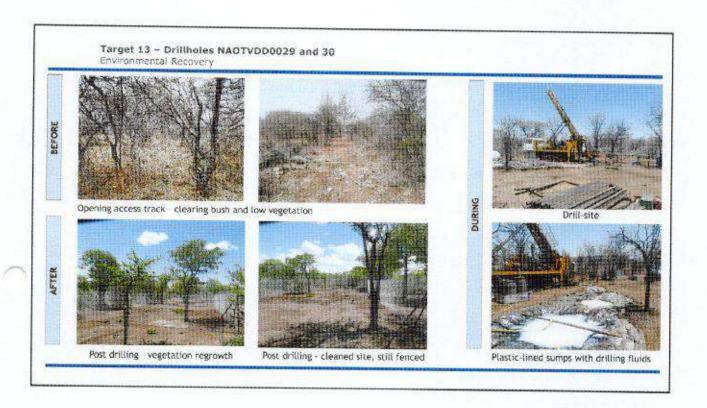


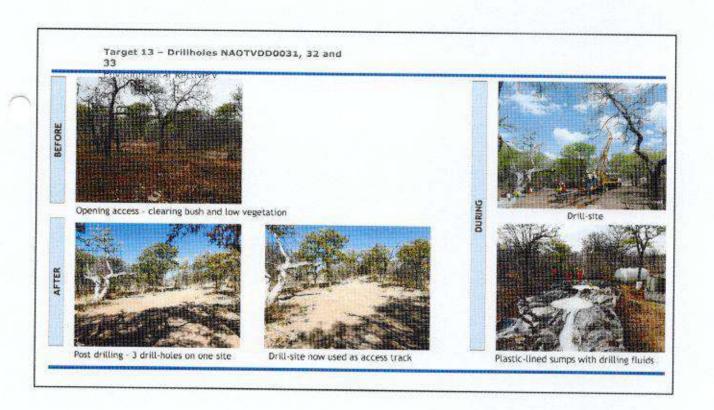


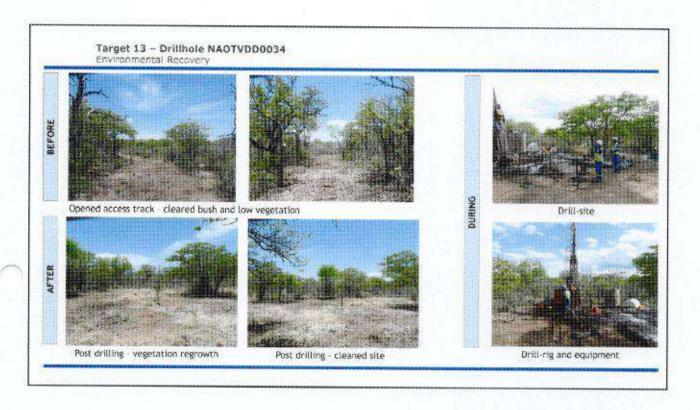














RECOVERY OF 2016 DRILL-SITES
Targets 01, 05 and 13 - Environmental Recovery after one year







NAOTVDD0009



NAOTVDD0010



NAOTVDD0011



NAOTVDD0012



NAOTVDD0013 & 14



NAOTVDD0015

ENVIRONMENTAL REPORT (ER) (Prospecting Companies)

INSTRUCTIONS:

 An Environmental Report shall be submitted to the Ministry of Environment and Tourism (MET) biannually. Jan to Jun and Jun to December: Please indicate:

01 July to 31 December 2018

- 2. This form shall be the minimum reporting format. Prospecting Companies are expected to attach a map of their prospecting area to this report. Prospecting Companies are welcome to attach any other information they like, such as copies of new agreements, letters of explanation, aerial photographs, or anything else of interest.
- 3. The map shall be used to indicate the following:
- * areas where prospecting has taken place,
- roads or tracks made and/or used.
- houses and other infrastructure erected.
- excavations or other scars which have been rehabilitated.
- conflict areas, etc....
- It is recommended (but not compulsory) that Prospecting Companies attach
 photographs to their report, which visually illustrate the activities described in their
 report.
- Failure to submit an Environmental Report shall constitute a breach of the Environmental Contract, which could result in steps taken against the Prospecting Company.
- 6. All information contained in the Environmental Report shall be treated as confidential.
- The Prospecting Company shall ensure that all the information recorded in the Environmental Report is, to their best knowledge, accurate and correct.

Completed Environmental Reports should be sent to:

The Permanent Secretary Ministry of Environment and Tourism Private Bag 13306 Windhoek

For Attention: Saima S. Angula

COMPANY DETAILS AND REPORTING PERIOD:

Name of Company:	Votorantim Metals Namib	ia (Pty) Ltd
	y: 9B South Port Office Pa erua Park, Windhoek, Nam	
Tel: 061-221016	Fax number: 061-231083	E-mail: efreyer@iway.na
Name of person con	npiling report: E E Freyer	
Reference number(s) of prospecting area / bloc	k/license: EPL 5402
Geographical locati Otjozondjupa Regio	on of area / block / license: on	Grootfontein District,
☐ January - June ☑ July - December	e period of : (tick the relevand) 2018	
been removed from the		yes ⊠ no □
	he site where such refuse has bee	
How often is refuse rem	oved to the site mentioned above	?: every week
refuse has not been ren	noved, where has it been dumped	? Otavi municipal waste disposal site
As far as litter is concer describe your prospecti	10 10 10 10 10 10 10 10 10 10 10 10 10 1	Reasonably clean Filthy
		licate how you intend cleaning it up:
Are toilets provided for	all staff employed by the prospec	ting company: yes 🛛 no 🗌
f "yes" above, are they	: Flush toilets 🛭 Chemical	Toilets Pit Latrines Other
If chemical tollets are us Deposited in evaporation Buried on site	ed, how are old chemicals dispon ponds	sed of : Deposited in a municipa! refuse dump Other (specify)

VEHICLES AND EARTHMOVING EQUIPMENT C.

Indicate the types and number of vehicles and eather reporting period (tick box in front of the cate next boxes to indicate numbers)	arthmoving equipmen gory of vehicles used	t used on site during and then fill in the
 ✓ Pick-up trucks ("bakkies"), either 2x4 or 4x4 ✓ Lorries / trucks between 5 - 10 ton capacity ✓ Lorries / trucks larger than 10 ton capacity 	How many in use How many in use How many in use	up to 3 up to 2
 ☑ Bulldozer of any size ☐ Road Grader of any size 	How many in use	up to 1
Front-end loader of any size	How many in use	
Drilling machine of any type	How many in use How many in use	up to 2
Other (specify)	How many in use	
D. ROADS AND TRACKS (In addition to roads/tracks made on an accompanying map in to rehabilitated (i.e. restored to their natural state) of their new roads or tracks been made during the repo	olue ink. Roads which an be scratched out i	n red pen.
The roads of traces seen made during the repo	rting period? yes	⊠ no 🗔
If "yes" above, how long are these (in kilometres)?	5.21 km yes	no 🗌
If "yes" above are these still in use ?	yes	⊠ no □
If "no" above have any of these roads or tracks been	rehabilitated? yes	□ no ⊠
If "yes" above, how have you done such rehabilitation Other (specify): will still be used, then left to rehabilitation	?: Ripping ☐ Rakii ilitate naturally	ng Sweeping 🗆
If road / track rehabilitation has taken place, how man rehabilitated? n/a	y kilometres of roads or	tracks have been
E. TRENCHES OR PITS: If new trenches during the reporting period, please indicate these means of illustrating them on the same map desc should be numbered and drawn as a CIRCLE in brehabilitated during the reporting period should be	by ticking the appropriate by ticking the appropriate into the pits or the pit	priate boxes AND by s or trenches made, trenches which were
Have new trenches or pits been excavated in your area	during the reporting pe	riod? yes 🗌 no 🛭
If "yes" above, what are their approximate sizes or dim	ensions ? (in metres)	
1. Trench / pit No.1 (soil): D Cubic metres or le 2. Trench / pit No.2 (AMT & IP): D Cubic metres or 3. Trench / pit No.3 : Size / dimensions : D Cubic metre 4. Trench / pit No.4 : Size / dimensions : D Cubic metre	ngth x breadth x d breadth	v 🗀 daesh
Were any holes/trenches rehabilitated during this perio	d of reporting? yes	(show on maps) no

F. INFRASTRUCTURAL DEVELOPMENT

Infrastructural Developments means any offices, houses, sheds, cement slabs, or other buildings or foundations for buildings. It also includes storage tanks (for water, fuel or other substances), temporary housing such as mobile homes & caravans, prefab units and tented camps. Please report on new construction or additions to buildings you reported on, in your previous Environmental Report.

Was and NEW L.C.	
Was any NEW infrastructure established durin	ng this period? yes 🗌 no 🖂
If "yes" above, is this infrastructure: Peri	manent Temporary A combination
Describe infrastructure by ticking boxes: Prefab st Cemei	Offices
If "other", please specify: Staff is accommodate	ed in a guesthouse in Otavi
G. BOREHOLES, SAMPLE HOL This category includes holes drilled for wa setting explosives, for testing mineral qual	iter, for taking mineral or other samples, for
Were any holes drilled during this period? If "yes", for which purpose were they drilled?	ves ⊠ no □
Other (specify) total meteran	ne: 6 198 56 m
	ge: 6,198.56 m quantity:
H. WATER Your estimated monthly water consumption dumonths	ring this period was: 517 cubm for 7 (cumulative)
H. WATER Your estimated monthly water consumption dumonths Water was obtained from: River Bore Please estimate the percentage of water used for	ring this period was: 517 cubm for 7 (cumulative)
H. WATER Your estimated monthly water consumption dumonths Water was obtained from: River Bore Please estimate the percentage of water used for Human consumption 1 %	ring this period was: 517 cubm for 7 (cumulative)
H. WATER Your estimated monthly water consumption dumonths Water was obtained from: River Bore Please estimate the percentage of water used for Human consumption 1 % Toilets 1 %	ring this period was: 517 cubm for 7 (cumulative) ehole Dam Water Affairs Other for the following activities during this period: Were there any accidents which caused
H. WATER Your estimated monthly water consumption dumonths Water was obtained from: River Bore Please estimate the percentage of water used for Human consumption 1 % Toilets 1 % Prospecting activities	ring this period was: 517 cubm for 7 (cumulative) ehole Dam Water Affairs Other for the following activities during this period:
H. WATER Your estimated monthly water consumption dumonths Water was obtained from: River Bore Please estimate the percentage of water used for Human consumption 1 % Toilets 1 % Prospecting activities	ring this period was: 517 cubm for 7 (cumulative) ehole Dam Water Affairs Other for the following activities during this period: Were there any accidents which caused a loss of water? yes no v
H. WATER Your estimated monthly water consumption dumonths Water was obtained from: River Bore Please estimate the percentage of water used for the months Toilets 1 % Prospecting activities 1 % Washing vehicles & equipment 1 % Dust control 9 % Building activities 9 %	ring this period was: 517 cubm for 7 (cumulative) ehole Dam Water Affairs Other for the following activities during this period: Were there any accidents which caused
H. WATER Your estimated monthly water consumption dumonths Water was obtained from: River Bore Please estimate the percentage of water used for the second sumption 1 % Toilets 1 % Prospecting activities 9% Washing vehicles & equipment 1 % Dust control 9% Building activities 9% Gardens 9%	ring this period was: 517 cubm for 7 (cumulative) ehole Dam Water Affairs Other for the following activities during this period: Were there any accidents which caused a loss of water? yes no v
H. WATER Your estimated monthly water consumption dumonths Water was obtained from: River Bore Please estimate the percentage of water used for thuman consumption 1 % Toilets 1 % Prospecting activities 1 % Washing vehicles & equipment 1 % Dust control 1 % Building activities 9%	ring this period was: 517 cubm for 7 (cumulative) ehole Dam Water Affairs Other for the following activities during this period: Were there any accidents which caused a loss of water? yes no v

I. PROTECTION OF FAUNA AND FLORA

Please answer the following questions by ticking the appropriate	boxes:		
Question:	Yes	No	Unsure
Were any mammals, birds, reptiles or fish killed or wounded	165	NO	Ullsure
purposefully or accidentally) in the prospecting site or area?	[]	M	
Were any plants (excluding grasses) picked, damaged or removed	• 🖂		=
Was there any wood collecting in the area?		H	님
J. RELATIONS WITH NEIGHBOURS, OFFIC GENERAL PUBLIC	CIALS	AN	D/OR THE
Were there any conflicts with neighbours, land-owners, Governmenthis period?		cials o	or the public during
this period ;	Yes		No ⊠
If "yes" above, what was the nature of these conflicts? (tick boxs	es to pro	vide a	nswers)
People entered the prospecting area without permission or prior		0.000047	P
Complaints about reduced access to water or other resources	arrange	ment	\forall
Complaints about feduced access to water or other resources Complaints about danger posed to livestock or wildlife			\exists
Allegations about stock-theft or poaching			\vdash
	enn w		\vdash
Complaints about vehicle or equipment movement on access road	is / track	8	\sqcup
Complaints about litter or other types of pollution (eg. noise, dust	, etc.)		
Complaints about the activities / actions of company staff			\sqsubseteq
Allegations that the Company was not adhering to contracts / agr	eements		
Allegations that the Company damaged property or installations			
Allegations that gates were left open or unlocked			
Other (specify):			
If conflicts arose, indicate how these were resolved? (tick boxes)			
Verbal agreement after discussions			
Written agreement by special contract	******		긁
Instructions to company staff to avoid conflicts			
Company rectified its mistakes and undertook to avoid future wr			H
Court perior or other third nexts and undertook to avoid future wr	ong-doin	g	님
Court action or other third party arbitration		•••••	\exists
Other (specify)	********		
The conflicts remain unsolved			Ц
Any other comments or information :			Service (A) Post/posedulais

ee next page for more space for "additional comments"			

Additional comments continued

Environmental impacts:
Field exploration activities consisted of drilling 24 diamond (core) drill-holes in the latter half of 2018.
About 5.21 km new drill access tracks (of which 1.25 km were existing farm tracks) were cleared by
buildozer and by hand (to allow vehicle access to drill-hole sites).
Some 30 drillsites were cleared (varying in size from 15 x 20m to 30 x 50m)
Drillers (2 drill crews) camped on site for about a total of 7 (cumulative) months,
Rehabilitation (see attached drill-hole rehabilitation report):
All drill-holes were closed with a standpipe that is capped (with number and depth drill-hole of inscribed).
All drill access tracks were left to rehabilitate naturally (regrowth of grass and bush).

I declare that the information provided in this Environmental Report is, to the best of my knowledge, accurate and correct.

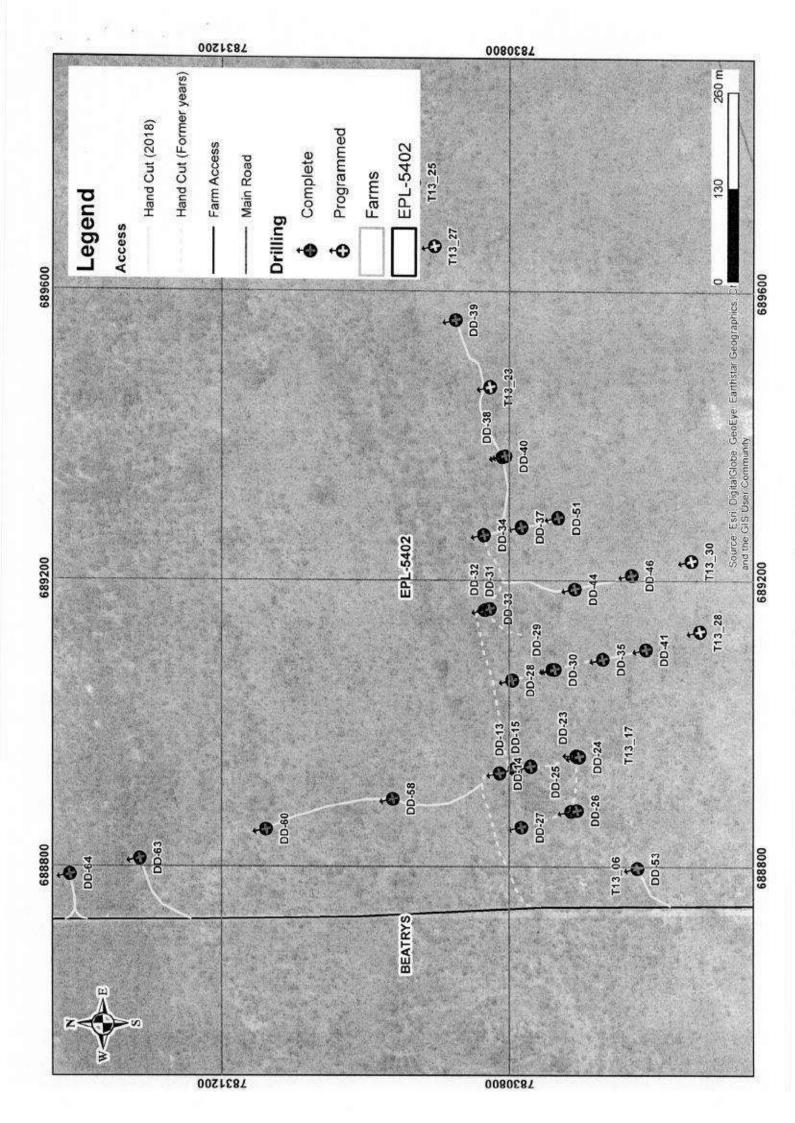
Votorantim Metals Namibia (Pty) Ltd Southport, Office 9B, Hosea Kutako Drive PO Box 97957, Maerua Park Windhoek, Namibia Telephone Nr: +264 61 221016 Facsimile Nr: +264 61 231083

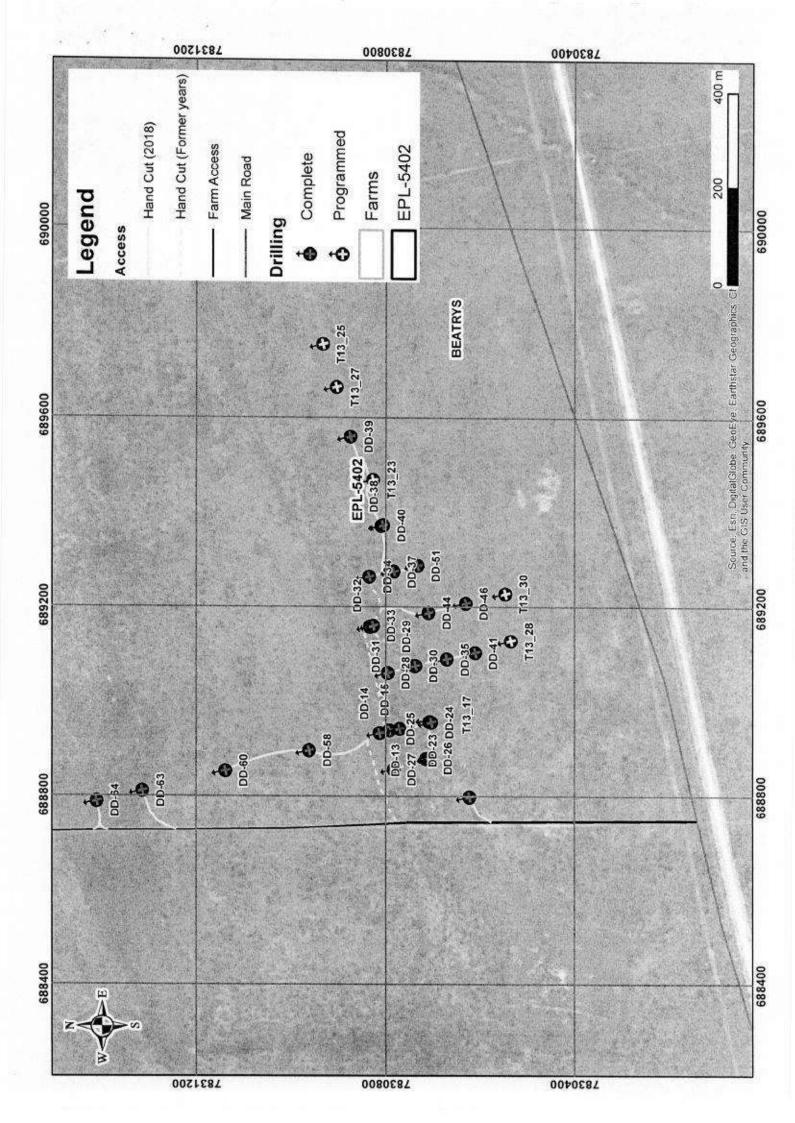
Votorantim Metals Namibia (Pty) Ltd

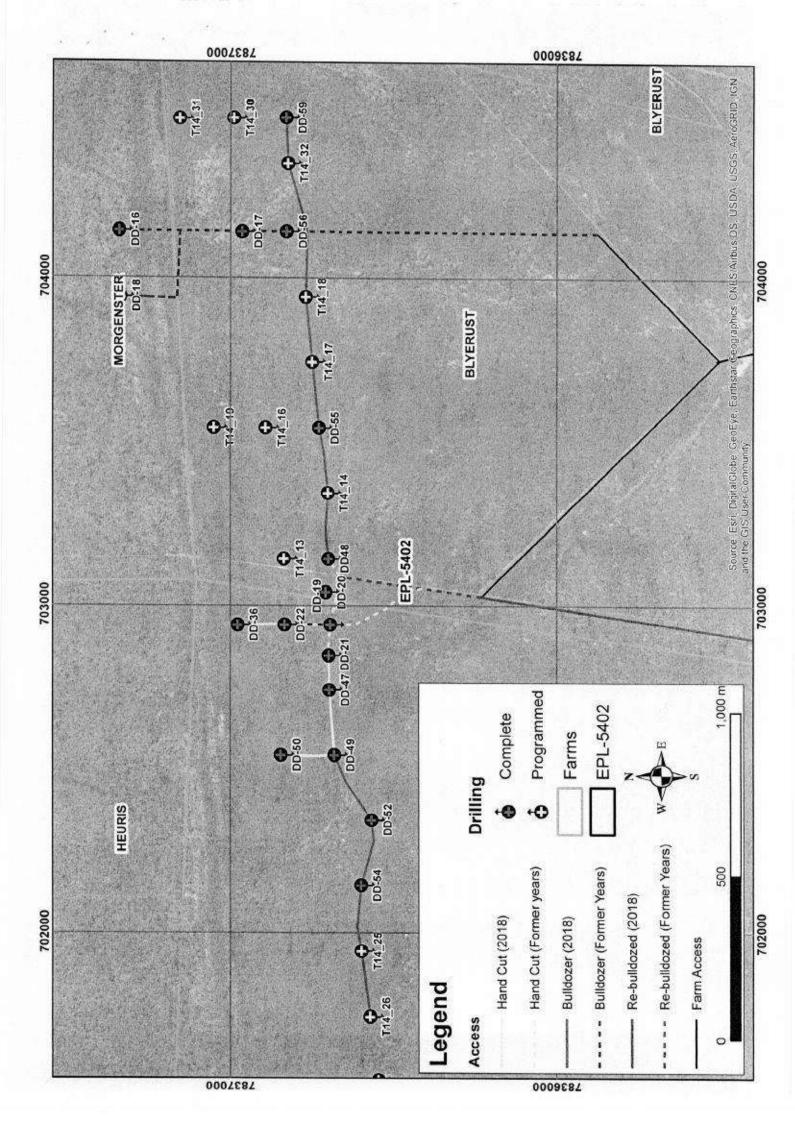
Date

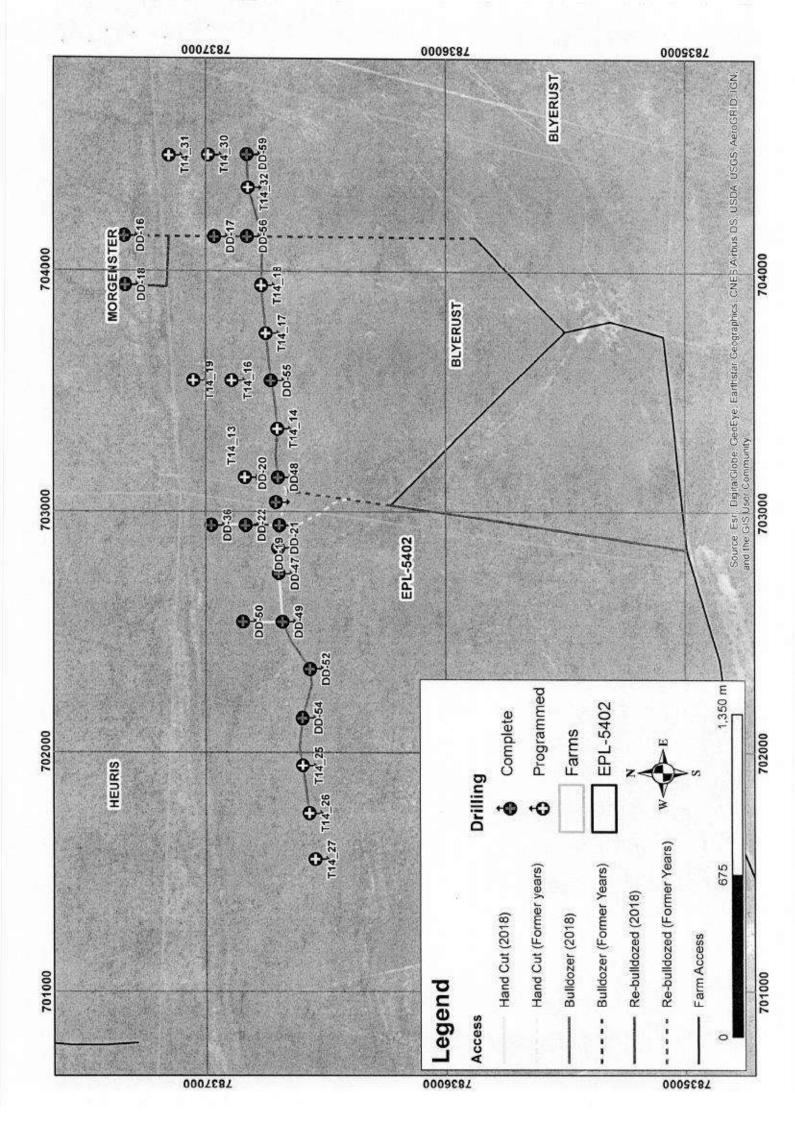
EPL 5402 - Drill-hole list - 2018

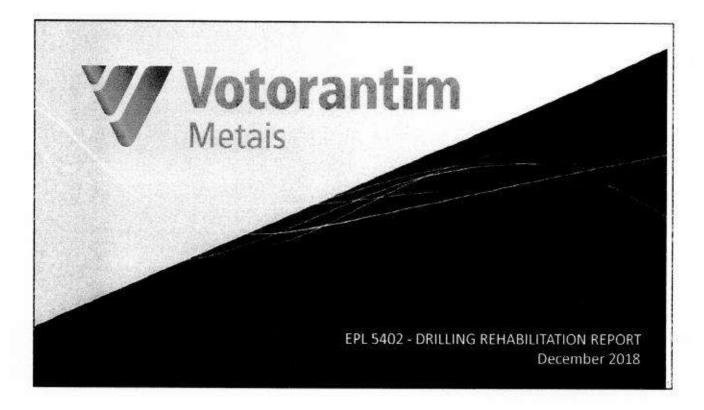
Drill-hole No.	X	Y	Z	Incl.	Azim.	Depth (m)
NAOTVDD0036	702942	7836977	1374	-55	180	308.19
NAOTVDD0037	689274	7830783	1430	-68	346.5	350.78
NAOTVDD0038	689370	7830810	1430	-60	346.5	317.68
NAOTVDD0039	689560	7830875	1430	-58	346.5	350.00
NAOTVDD0040	689371	7830805	1430	-71	346.5	338.68
NAOTVDD0041	689103	7830610	1430	-66	346.5	611.68
NAOTVDD0044	689188	7830709	1430	0	346.5	401.00
NAOTVDD0046	689208	7830630	1430	-68	346.5	614.68
NAOTVDD0047	702742	7836698	1380	-55	180	140.15
NAOTVDD0048	703142	7836700	1383	-55	180	116.17
NAOTVDD0049	702542	7836682	1384	-55	180	164.17
NAOTVDD0050	702542	7836846	1380	-55	180	260.17
NAOTVDD0051	689286	7830732	1428	-68	346.5	413.88
NAOTVDD0052	702344	7836568	1380	-55	180	116.19
NAOTVDD0053	688798	7830622	1427	-72	346.5	308.00
NAOTVDD0054	702143	7836600	1380	-55	180	179.34
NAOTVDD0055	703542	7836729	1391	-55	180	125.37
NAOTVDD0056	704140	7836829	1380	-55	180	200.40
NAOTVDD0058	688896	7830963	1430	-60	346.5	300.00
NAOTVDD0059	704484	7836830	1380	-55	180	179.25
NAOTVDD0060	688853	7831139	1430	-60	346.5	251.78
NAOTVDD0063	688811	7831314	1430	-60	346.5	311.78
NAOTVDD0064	688789	7831412	1430	-60	346.5	190.00







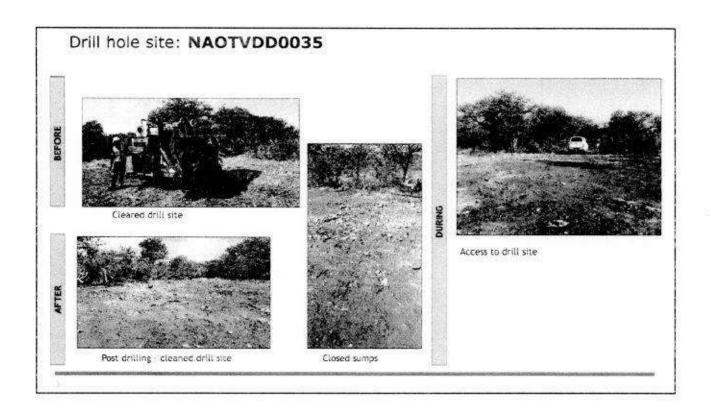


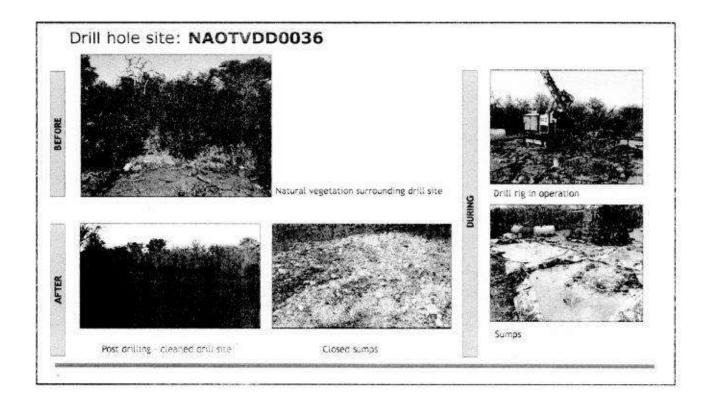


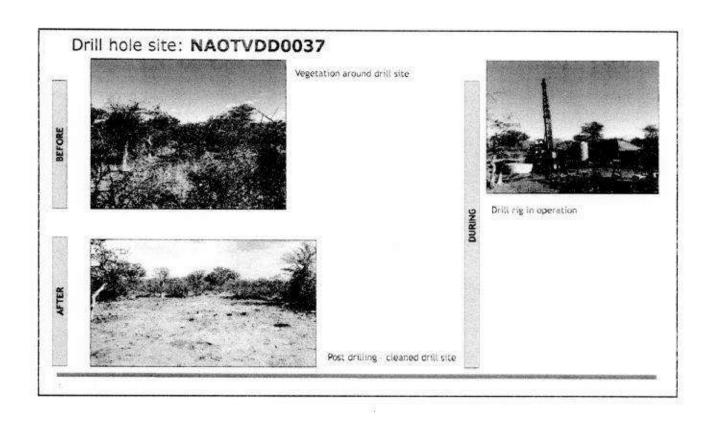


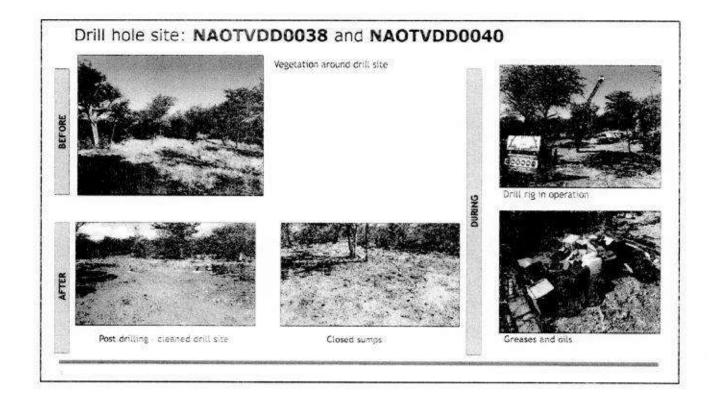
Environmental Report - Drilling Rehabilitation

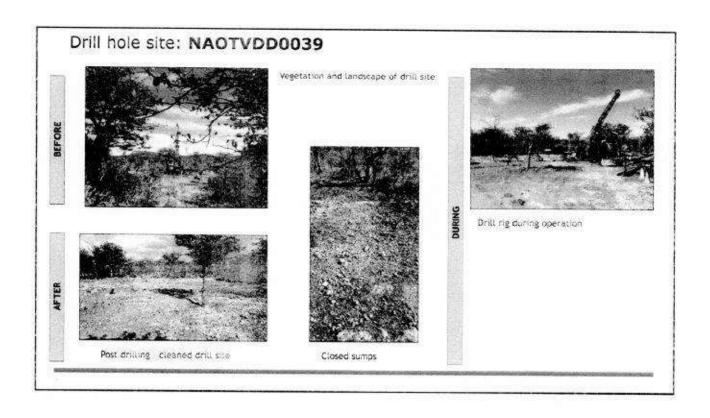
- This report aims to show the access preparation and drill sites used for drilling in three phases: Before (untouched environment), during the execution (drilling works) and post-activities (removal of equipment, collection of fluids and greaces as well as cleaning and rehabilitation of the site).
- For opening of accesses and sites, priority was given to places with less vegetation (bush), spaning the medium to large trees. Access tracks were opened manually where possible. In order to avoid use of machinery that could remove the fertile soil cover and generate irregularities in the natural terrain.
- The sites followed the standard requirements of the company, with demarcation of boundaries by barricading tape, bunding (plastic protection) under the ng to avoid contamination of the soil by oils and greases, toilet placed near the ng for use by the survey team, shady tent to lunch and rest.
- Products added to water to increase viscosity are biodegradable and non-contaminating. All return tanks (sumps) were closed, top grease material was collected and deposited at the Otavi waste disposal site.
- The recovery of vegetation will occur gradually and naturally, through grass seeds that are in the soil and should start from the arrival of the rainy season (December to February). Access tracks will be maintained for future exploration activities, it should be noted that all farmers are aware of the recovery methods used and are not opposed to these in any way.
- The owners were previously notified of the drilling activities, and according to the company's surface access agreement, they were compensated for the drill access tracks, the of water for drilling, and the use of fire wood, water and permission to camp by the drilling team.
- Chemical tollets were used at the drilling and camping sites
- Accidents: Zero

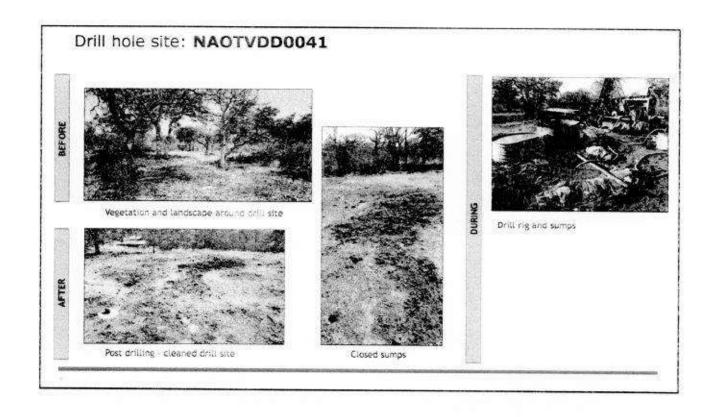


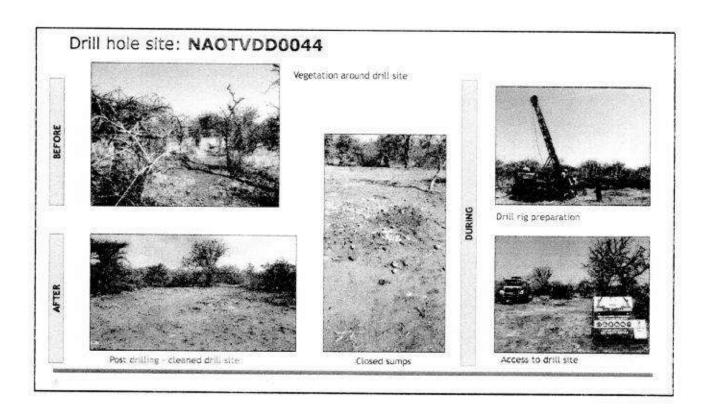


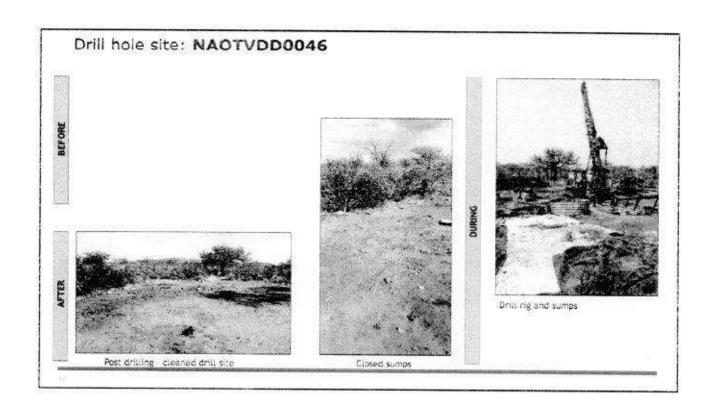


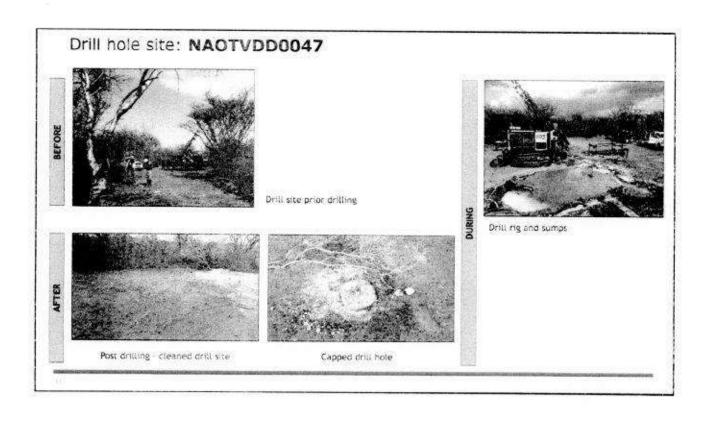


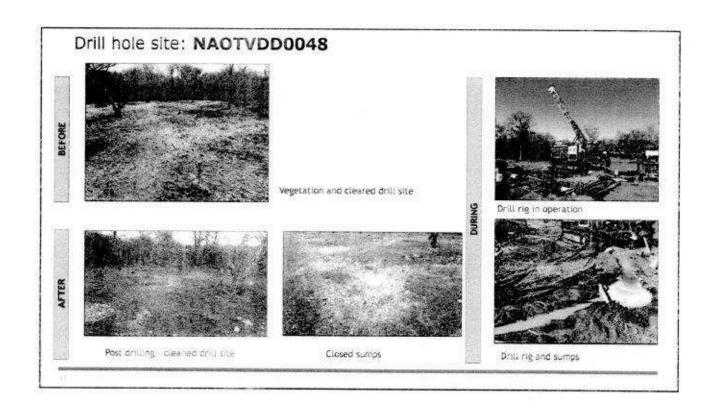


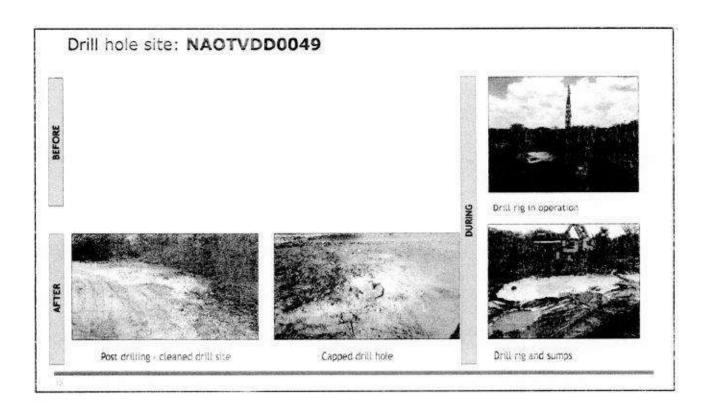


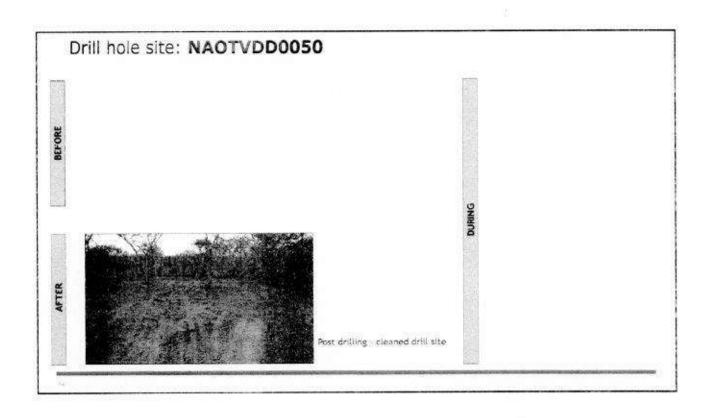


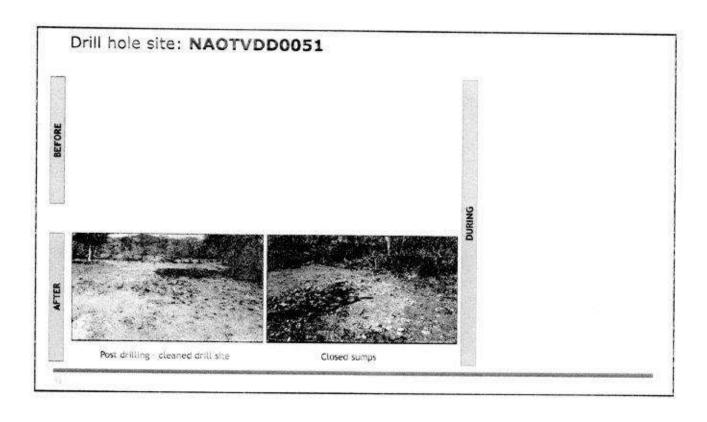


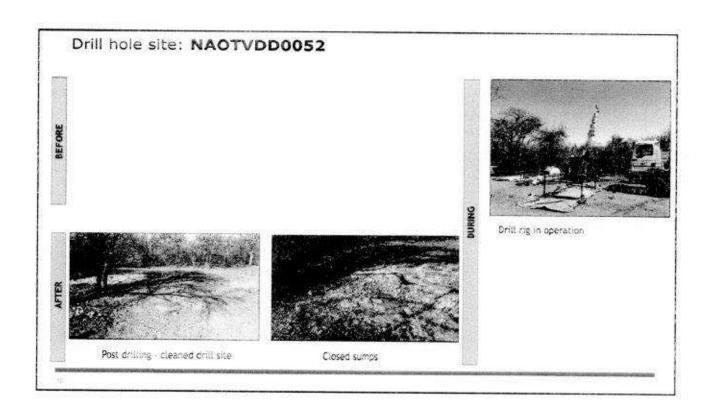


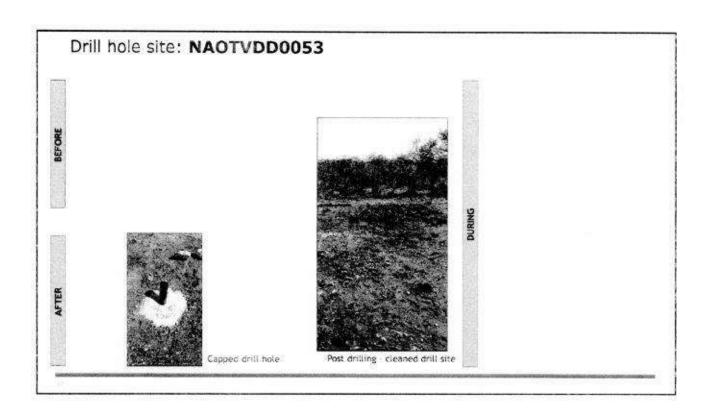


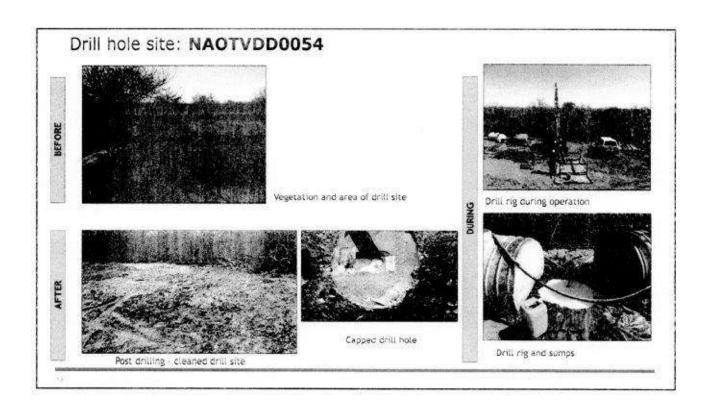


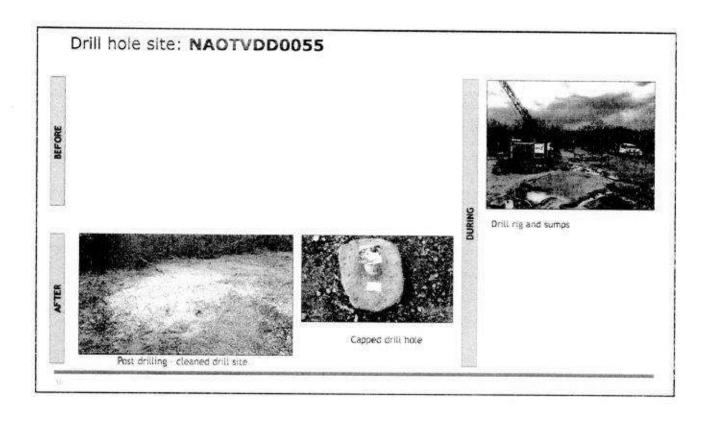


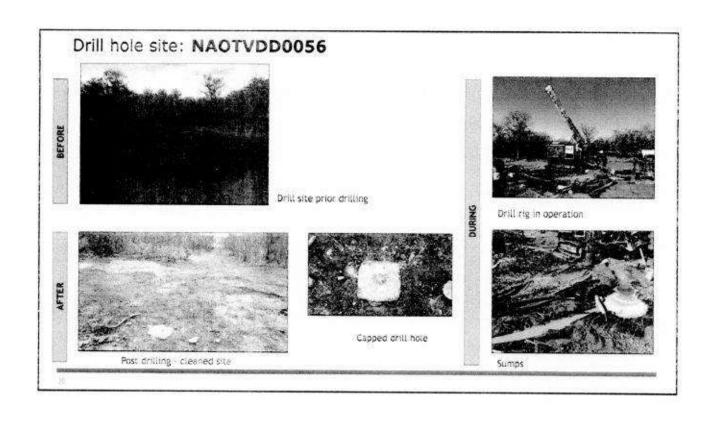


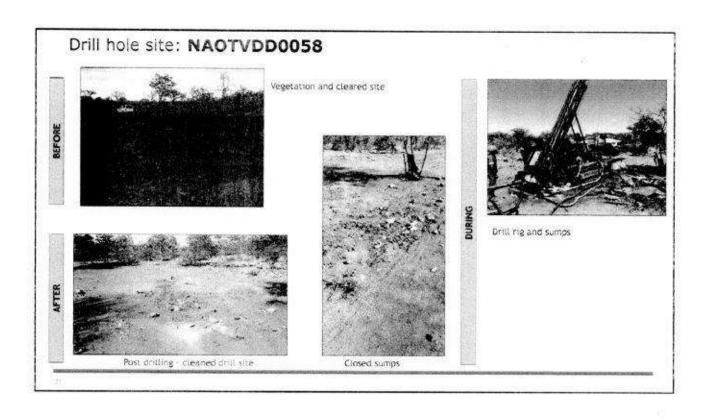


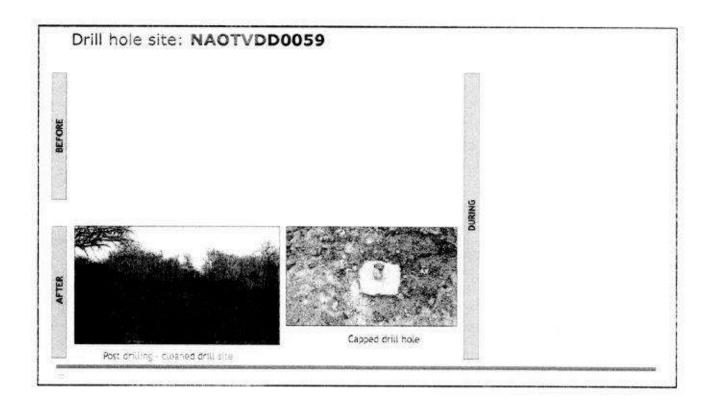


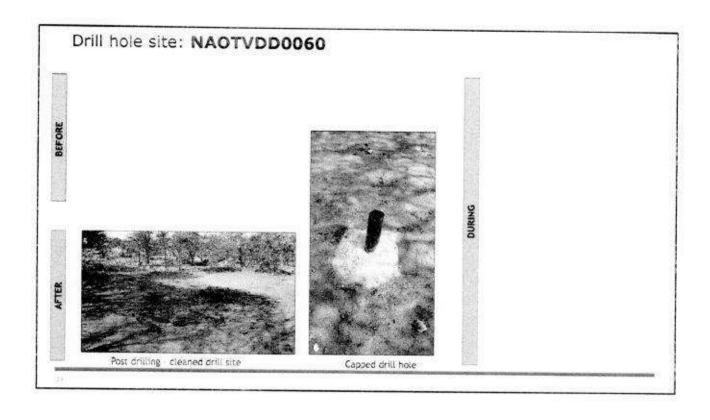


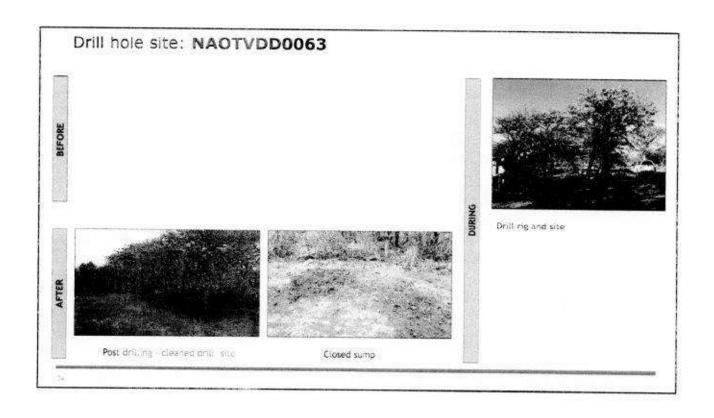


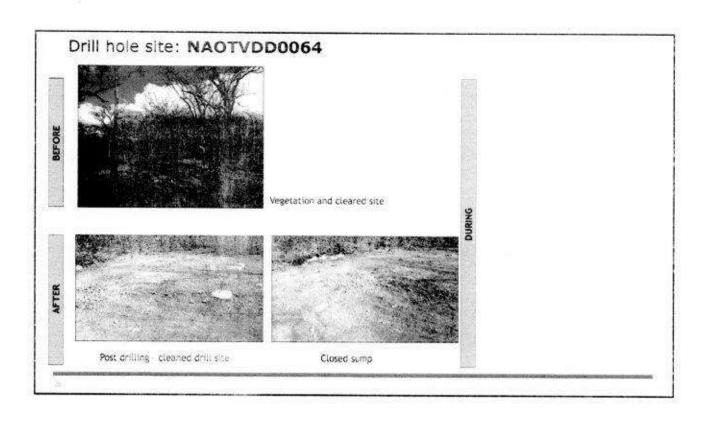


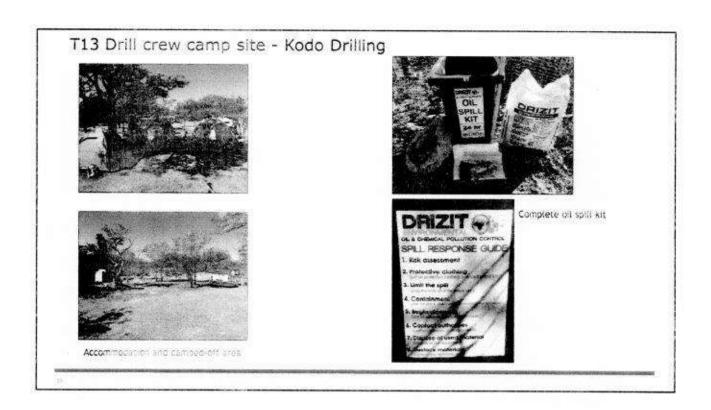












T14 Drill crew camp site - Ferro Drilling



Shower and chemical toilet



Diesel bowser



Camp with storage container

2019 -08- 29

ENVIRONMENTAL REPORT (ER) (Prospecting Companies)

INSTRUCTIONS:

 An Environmental Report shall be submitted to the Ministry of Environment and Tourism (MET) biannually. Jan to Jun and Jun to December: Please indicate:

01 January to 30 June 2019

- This form shall be the minimum reporting format. Prospecting Companies are
 expected to attach a map of their prospecting area to this report. Prospecting
 Companies are welcome to attach any other information they like, such as copies of
 new agreements, letters of explanation, aerial photographs, or anything else of
 interest.
- 3. The map shall be used to indicate the following:
- areas where prospecting has taken place,

roads or tracks made and/or used,

houses and other infrastructure erected.

excavations or other scars which have been rehabilitated,

conflict areas, etc

- It is recommended (but not compulsory) that Prospecting Companies attach
 photographs to their report, which visually illustrate the activities described in their
 report.
- Failure to submit an Environmental Report shall constitute a breach of the Environmental Contract, which could result in steps taken against the Prospecting Company.
- All information contained in the Environmental Report shall be treated as confidential.
- The Prospecting Company shall ensure that all the information recorded in the Environmental Report is, to their best knowledge, accurate and correct.

I

Completed Environmental Reports should be sent to:

The Permanent Secretary Ministry of Environment and Tourism Private Bag 13306 Windhoek

For Attention: Saima S. Angula

88.

COMPANY DETAILS AND REPORTING PERIOD: A.

Name of Company: Votorantim Metals Namibia (Pty) Ltd
Address of Company: 9B South Port Office Park, Hosea Kutako Avenue, P O Bo 97957, Maerua Park, Windhoek, Namibia
Tel: 061-221016 Fax number: 061-231083 E-mail: efreyer@iway.na
Name of person compiling report: E E Freyer
Reference number(s) of prospecting area / block / license: EPL 5402
Geographical location of area / block / license: Grootfontein District, Otjozondjupa Region
This report is for the period of : (tick the relevant box and fill in the year) January - June 2019 July - December Other (please specify)
Has all domestic refuse (eg. Household waste, bottles, tins, paper, plastic, etc)
been removed from the prospecting area? yes on o
How often is refuse removed to the site mentioned above ? : every week every two weeks every three weeks once a month at irregular intervals
refuse has not been removed, where has it been dumped? Otavi municipal waste disposal site
As far as litter is concerned, would you describe your prospecting area as : Very clean Reasonably clean Filthy
f your prospecting area is littered with refuse, please indicate how you intend cleaning it up: Refuse and litter found in the areas that we work in is collected and removed to the municipal disposal side
Are toilets provided for all staff employed by the prospecting company : yes 🗵 no 🗌
f "yes" above, are they: Flush toilets 🛛 Chemical Toilets 🖂 Pit Latrines 🗌 Other 🗌
If chemical toilets are used, how are old chemicals disposed of : Deposited in evaporation ponds Deposited in a municipal refuse dump Buried on site Other (specify)

VEHICLES AND EARTHMOVING EQUIPMENT

Indicate the types and number of vehicles and ear during the reporting period (tick box in front of the in the next boxes to indicate numbers)	thmoving equipment used on site e category of vehicles used and then fill
 ✓ Pick-up trucks ("bakkies"), either 2x4 or 4x4 ✓ Lorries / trucks between 5 - 10 ton capacity ✓ Lorries / trucks larger than 10 ton capacity ✓ Bulldozer of any size ✓ Road Grader of any size ✓ Front-end loader of any size ✓ Drilling machine of any type 	How many in use up to 4 How many in use up to 1 How many in use U
D. ROADS AND TRACKS (In addition to	ticking the following boxes, please draw
roads/tracks made on an accompanying map in bl rehabilitated (i.e. restored to their natural state) ca Have new roads or tracks been made during the repor	n be scratched out in red pen.
If "yes" above, how long are these (in kilometres)?	1.2km
If "yes" above are these still in use?	yes ⊠ no □
If "no" above have any of these roads or tracks been ro	chabilitated? yes 🗌 no 🛛
f "yes" above, how have you done such rehabilitation? Other (specify): access tracks were left to rehabilitate	: ripping raking \infty sweeping e naturally, others are still in use
f road / track rehabilitation has taken place, how many chabilitated? n/a	kilometres of roads or tracks have been
E. TRENCHES OR PITS: If new trenches of during the reporting period, please indicate these in means of illustrating them on the same map described by the numbered and drawn as a CIRCLE in blood to be numbered to the reporting period should be the new trenches or pits been excavated in your area described.	by ticking the appropriate boxes AND by ibed above. New pits or trenches made, ue ink, while pits or trenches which were a scratched out in RED ink.
Trench / pit No.1 (AMT & IP): 1136 holes with dimension. Trench / pit No.2: Size / dimensions: Cubic metre. Trench / pit No.3: Size / dimensions: Cubic metre. Trench / pit No.4: Size / dimensions: Cubic metre.	ns: 0.2m length x 0.2m breadth x 0.2m depth es or length x breadth x depth es or length x breadth x depth es or length x breadth x depth es or
Vere any holes/trenches rehabilitated during this period	

F. INFRASTRUCTURAL DEVELOPMENT

Infrastructural Developments means any offices, houses, sheds, cement slabs, or other buildings or foundations for buildings. It also includes storage tanks (for water, fuel or other substances), temporary housing such as mobile homes & caravans, prefab units and tented camps. Please report on new construction or additions to buildings you reported on, in your previous Environmental Report.

	ing this period? yes ☐ no ⊠
	rmanent Temporary A combination
27 - TO	Offices
G. BOREHOLES, SAMPLE HO	LES OR OTHER DRILLING
rnis category includes holes drilled for w setting explosives, for testing mineral qu	rater, for taking mineral or other samples, for ality, or any other purpose.
Were any holes drilled during this period ?	yes 🛛 no 🗌
If "yes", for which purpose were they drilled ?	P Water ☐ depth ☐ ☐ Quantity ☐ ☐ Sampling ☐ depths up to 386.52m Quantity 4 Explosives ☐ depth ☐ ☐ Quantity ☐ ☐
Other (specify) total metera	1201.00
	nge: 1281.90 m quantity: 4
List of horehole numbers and deather eas attach	about first of doillbolour and still the first the state of the
List of borehole numbers and depths: see attac hole locality maps	ched list of drillholes and drillhole details as well as drill
List of borehole numbers and depths: see attachole locality maps	ched list of drillholes and drillhole details as well as drill
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hole locality maps	ched list of drillholes and drillhole details as well as drill
H. WATER	
H. WATER	
H. WATER Your estimated <u>monthly</u> water consumption d	
H. WATER Your estimated monthly water consumption destruction water was obtained from : River Bo	uring this períod was: 722 cubm rehole ☑ Dam ☐ Water Affairs ☐ Other ☐
H. WATER Your estimated monthly water consumption de water was obtained from: River Bo Please estimate the percentage of water used	uring this períod was: 722 cubm rehole ☑ Dam ☐ Water Affairs ☐ Other ☐
H. WATER Your estimated monthly water consumption de Water was obtained from: River Bo Please estimate the percentage of water used Human consumption 8 %	uring this period was: 722 cubm
H. WATER Your estimated monthly water consumption de water was obtained from: River Bo Please estimate the percentage of water used Human consumption 8 % Toilets 1 %	uring this period was: 722 cubm rehole Dam Water Affairs Other for the following activities during this period:
H. WATER Your estimated monthly water consumption de water was obtained from: River Bo Please estimate the percentage of water used Human consumption 8 % Toilets 1 % Prospecting activities 1 %	uring this period was: 722 cubm rehole Dam Water Affairs Other for the following activities during this period: Were there any accidents which caused
H. WATER Your estimated monthly water consumption destruction destruction water was obtained from: River Bo Please estimate the percentage of water used Human consumption 8 % Toilets 1 % Prospecting activities 1 % Washing vehicles & equipment 1 %	uring this period was: 722 cubm rehole Dam Water Affairs Other for the following activities during this period:
H. WATER Your estimated monthly water consumption destruction destruction water was obtained from: River Bo Please estimate the percentage of water used Human consumption 8 % Toilets 1 % Prospecting activities 1 % Washing vehicles & equipment 1 % Dust control %	rehole ☑ Dam ☐ Water Affairs ☐ Other ☐ for the following activities during this period: Were there any accidents which caused a loss of water? yes ☐ no √
H. WATER Your estimated monthly water consumption destruction des	uring this period was: 722 cubm rehole Dam Water Affairs Other for the following activities during this period: Were there any accidents which caused
H. WATER Your estimated monthly water consumption destruction des	rehole ☑ Dam ☐ Water Affairs ☐ Other ☐ for the following activities during this period: Were there any accidents which caused a loss of water? yes ☐ no √
H. WATER Your estimated monthly water consumption described water was obtained from: River Bo Please estimate the percentage of water used Human consumption 8 % Toilets 1 % Prospecting activities 0% Washing vehicles & equipment 1 % Dust control 0% Building activities 0%	rehole ☑ Dam ☐ Water Affairs ☐ Other ☐ for the following activities during this period: Were there any accidents which caused a loss of water? yes ☐ no √

I. PROTECTION OF FAUNA AND FLORA

Please answer the following questions by ticking the appropriate boxes:						
Question: Yes No Unsu						
Were any mammals, birds, reptiles or fish killed or wounded Yes No Unsure						
purposefully or accidentally) in the prospecting site or area?						
Were any plants (excluding grasses) picked, damaged or removed?						
Were there any conflicts with neighbours, land-owners, Yes No Sovernment Officials or the public during this period?						
If "yes" above, what was the nature of these conflicts ? (tick boxes to provide answers)						
People entered the prospecting area without permission or prior arrangement						
Complaints about reduced access to water or other resources						
Complaints about danger posed to livestock or wildlife Allegations about stock-theft or poaching						
Complaints about vehicle or equipment movement on access roads / tracks						
Complaints about litter or other types of pollution (eg. noise, dust, etc.)						
Complaints about the activities / actions of company staff						
Allegations that the Company was not adhering to contracts / agreements						
Allegations that the Company damaged property or installations						
Allegations that gates were left open or unlocked						
Other (specify)						
f conflicts arose, indicate how these were resolved ? (tick boxes)						
(uck boxes)						
Verbal agreement after discussions						
Written agreement by special contract						
nstructions to company staff to avoid conflicts						
company rectified its mistakes and undertook to avoid future wrong-doing						
Court action or other third party arbitration						
Other (specify)						
he conflicts remain unsolved						
	V					
any other comments or information :						

Additional comments continued

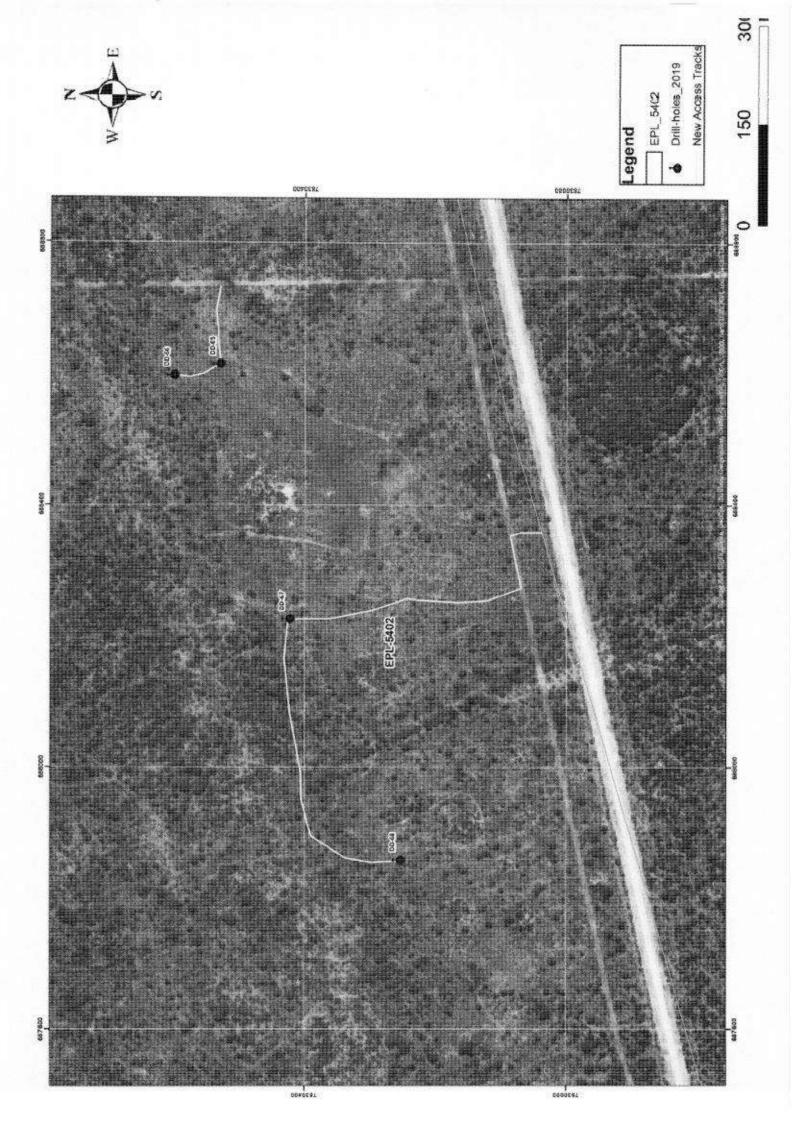
he main exploration activity from April to June 2019 was core drilling.	
all access tracks made (about 1.77 km) were made by the private landowner himself.	
he 1.77 km access tracks in bush-encroached areas were opened up for drilling access.	
he access tracks were made by hand (1770m), which left the soil undisturbed. This will allo	w bush
to re-grow naturally in the 2019/20 rainy season from roots that were left unharmed.	
About 1.77 km of these tracks are now available for productive use to the private land owner	
Some 1136 small holes were dug for (AMT & IP) electrodes and were closed after use.	
Some 20.5 km cut-lines (1.0m wide) were cut for geophysical surveys (AMT & IP).	

Attachments to this report:	
I. A drill-hole list is appended that gives the exact location coordinates, drill-hole orientation	and
drill-hole depths of 4 core (diamond) drill-holes drilled (1281.90m).	***********
2. Two maps are attached that show the target areas and locations of drill-holes at target T-13	
3. Drill-site Rehabilitation Report for 2018.	**********

I declare that the information provided in this Environmental Report is, to the best of my knowledge, accurate and correct.

Cotorantim Metals Namibia (Pty) Ltd.
Southport, Office 9B, Hosea Kutako Drive
PO Box 97957, Maerua Park
Windhoek, Namibia
Telephone Nr: +264 61 221016
Facsimile Nr: +264 61 231083

Votorantim Metals Namibia (Pty) Ltd



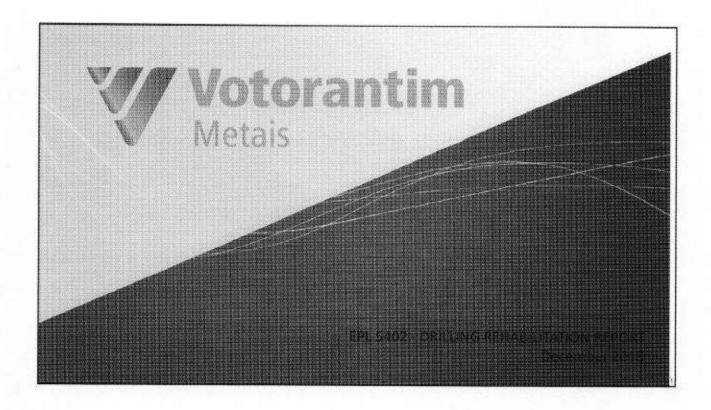
EPL 5402
List of Core (Diamond) Drill-holes drilled between April and June 2019:

Hole-ID	Position	E*	N*	Elev.**	Azim.	Incl.	E.O.H.***	Line
NAOTVDD0065	T13_01	688612	7830527	1415m	346.5°	-60°	386.52m	L1000E
NAOTVDD0066		688594	7830599	1416m	346.5°	-60°	236.49m	L1000E
NAOTVDD0067	T13_02	688229	7830422	1418m	346.5°	-60°	341.47m	L600E
NAOTVDD0068	T13_03	687858	7830252	1418m	346.5°	-60°	317.42m	L200E

^{*} UTM WGS84

^{**} above mean sea level

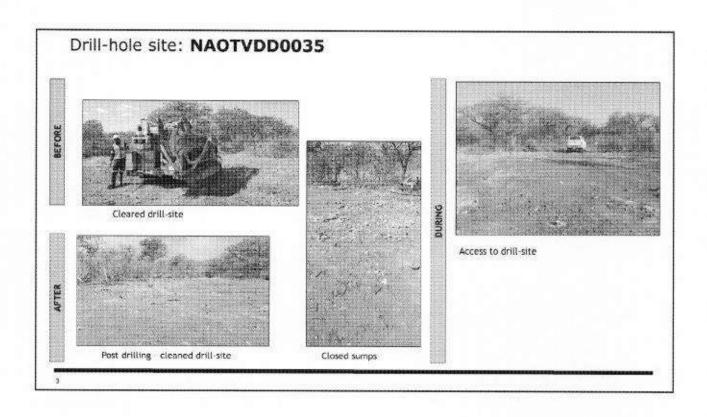
^{***} End-of-hole (drilled depth)

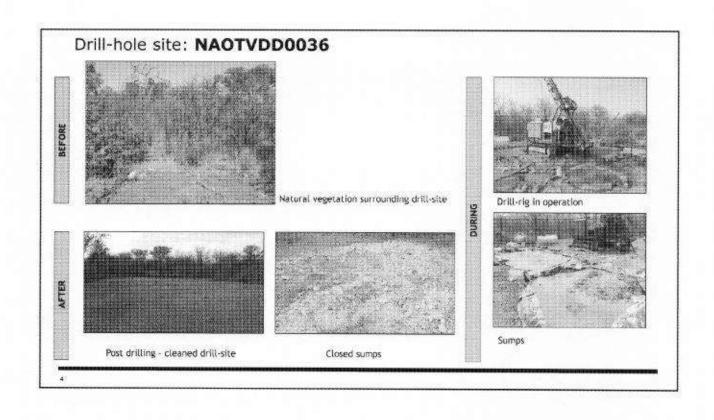


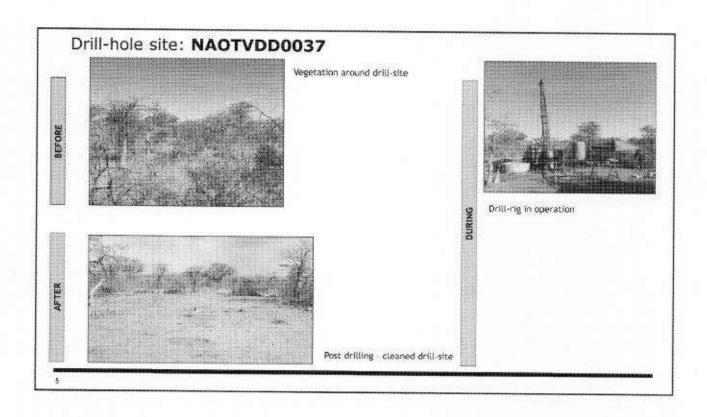


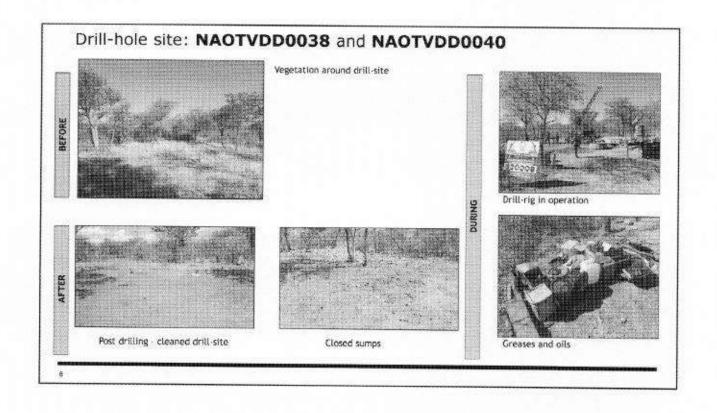
Environmental Report - Drilling Rehabilitation

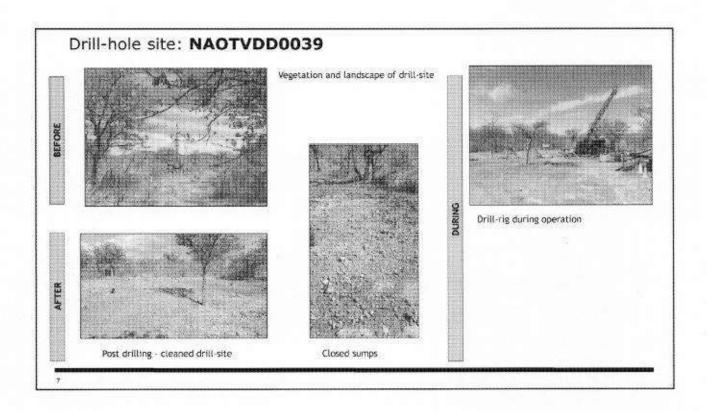
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- · Chemical toilets were used at the drilling and camping sites
- Accidents: Zero

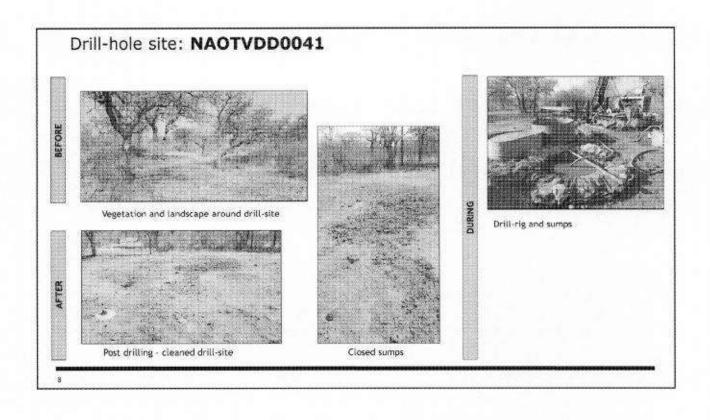


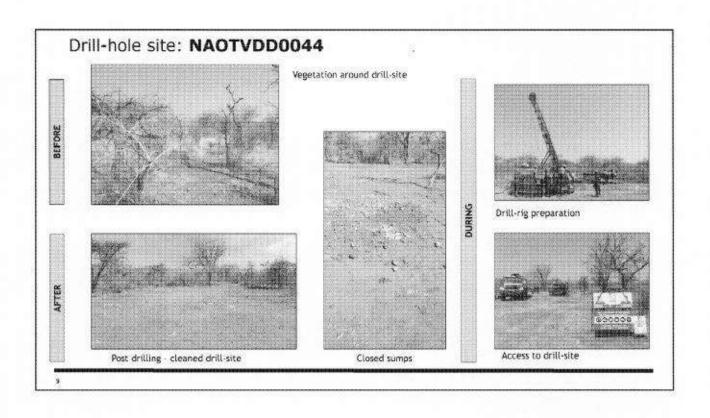


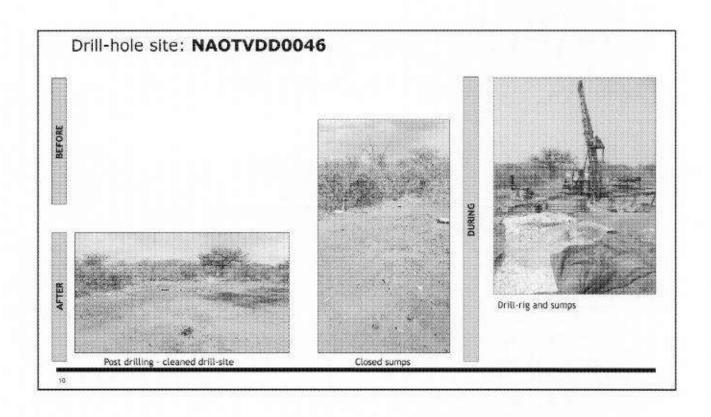


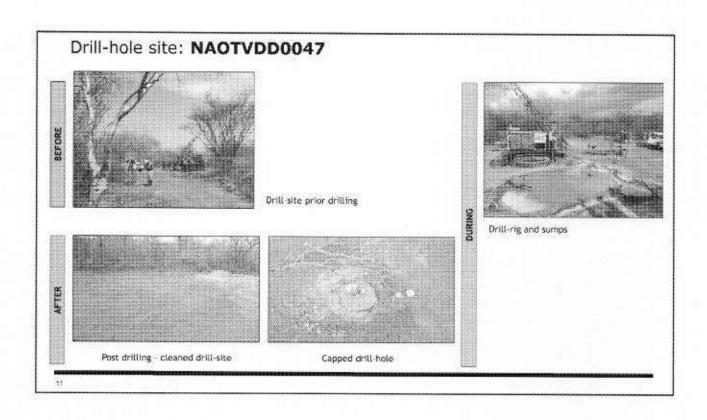


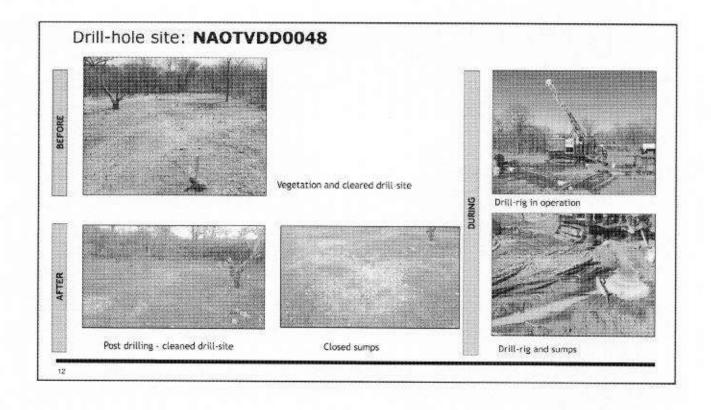


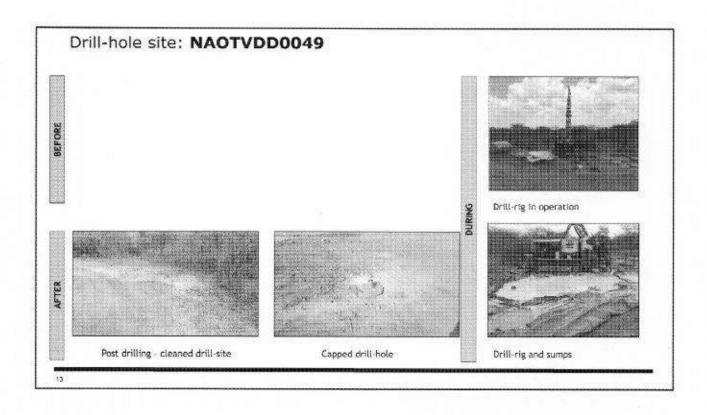


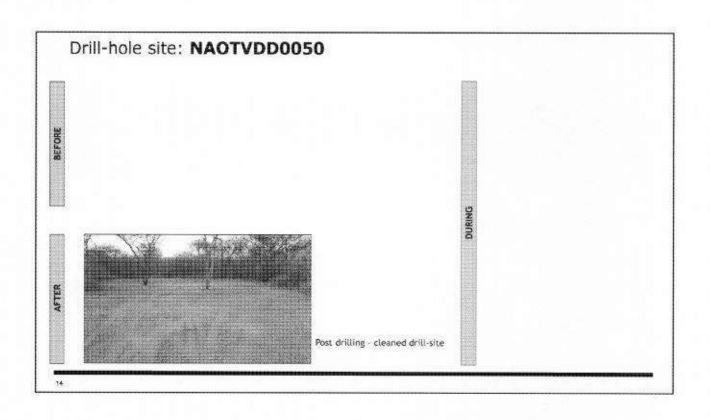


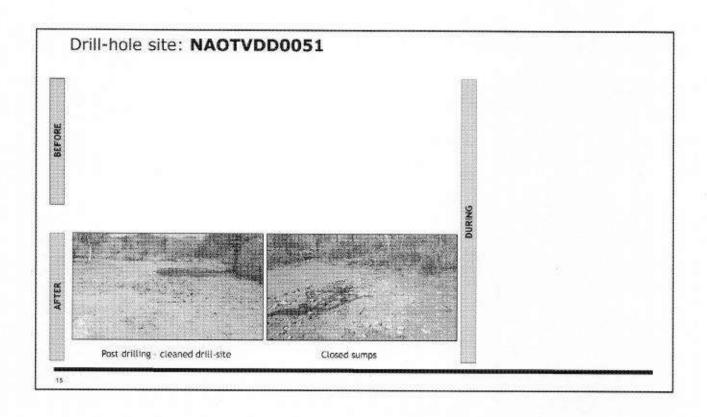


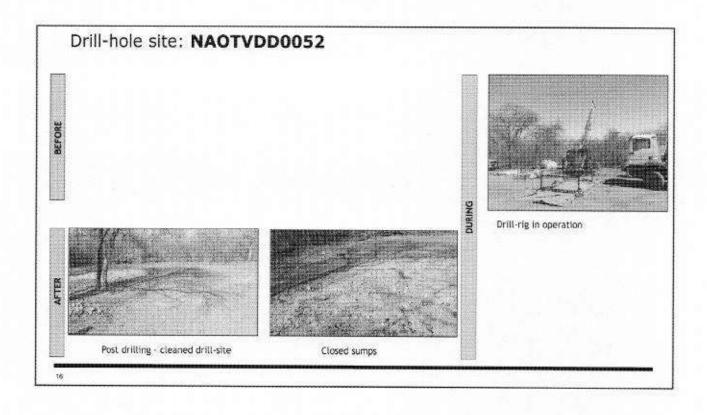


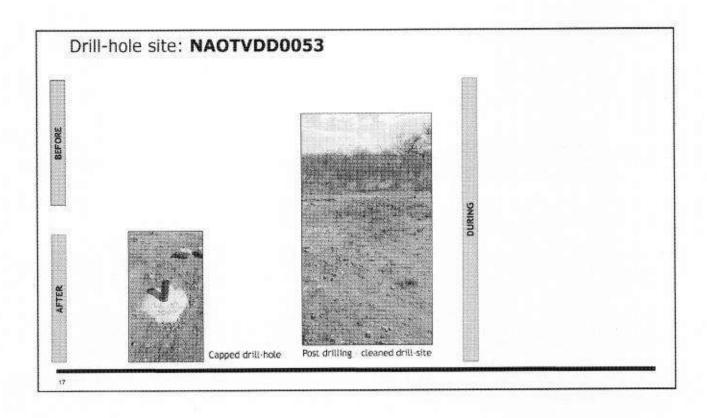


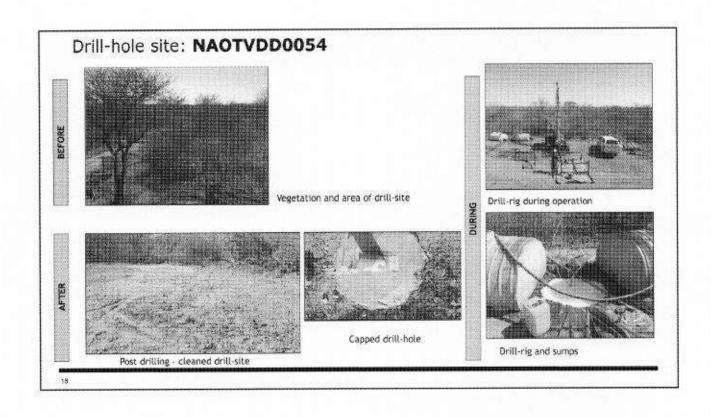


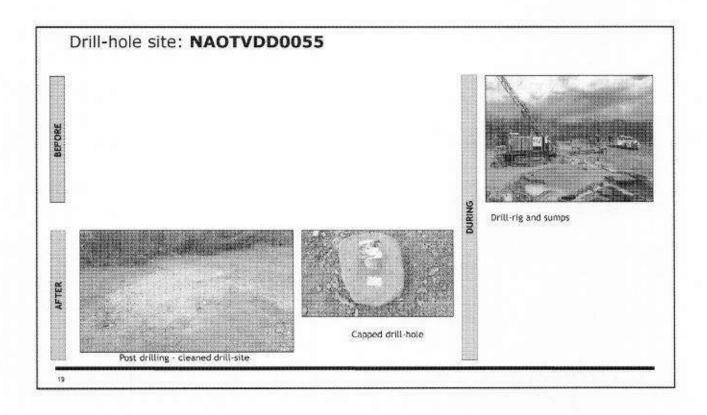


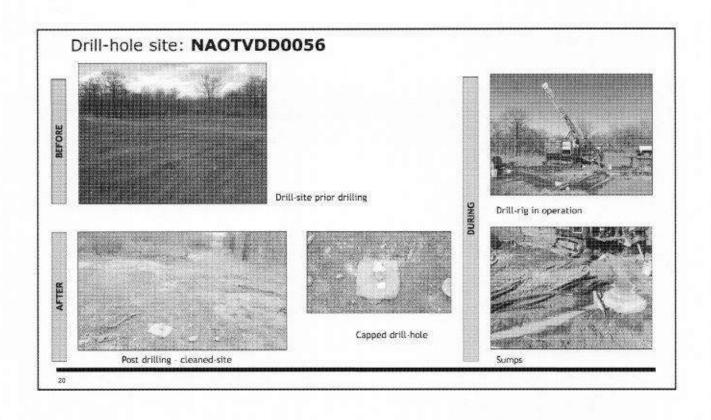


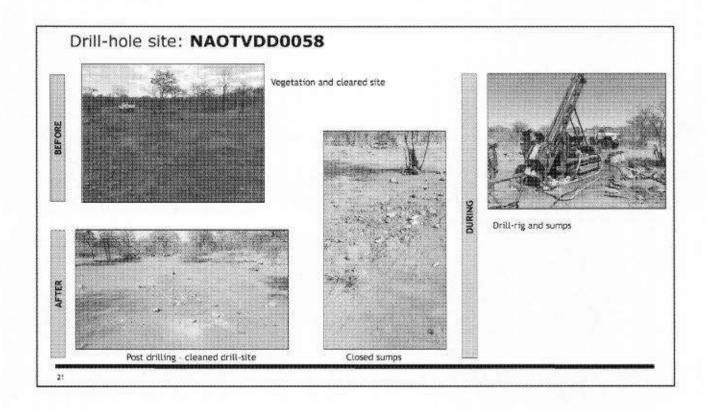


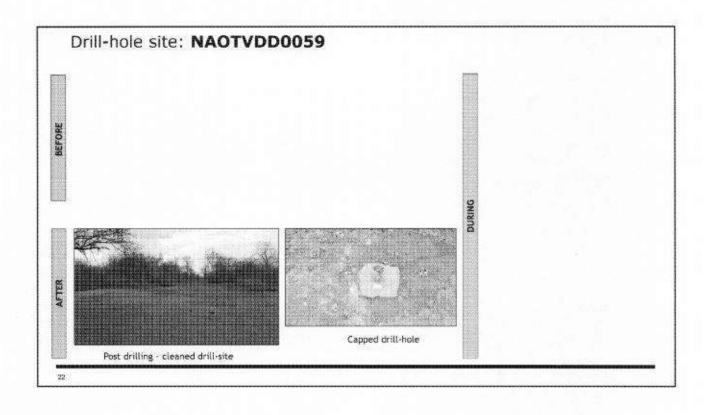


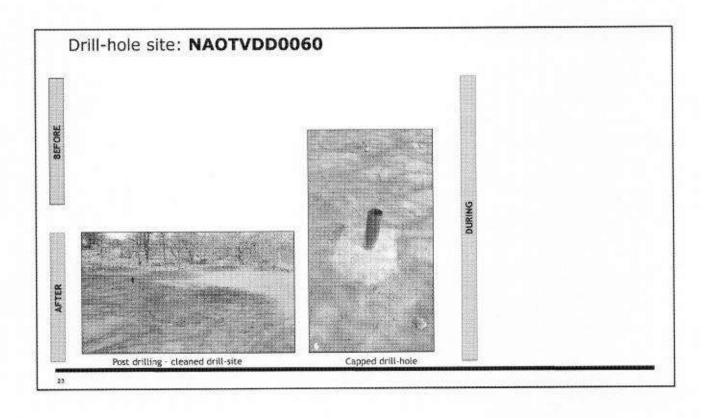


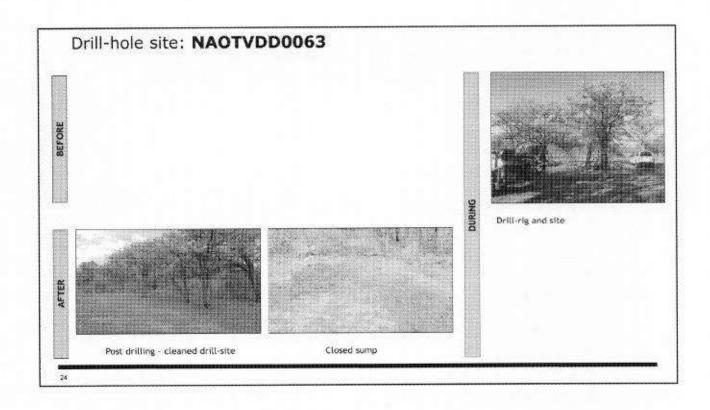


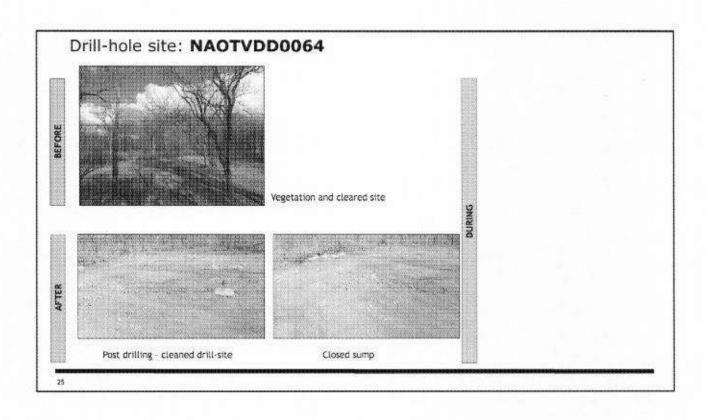


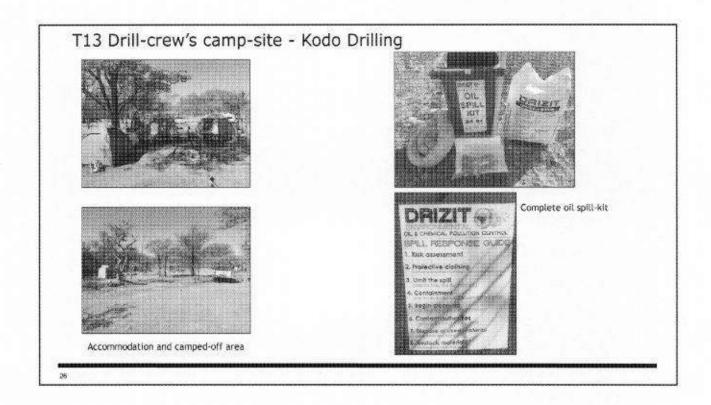












T14 Drill-crew's camp-site - Ferrodrill



Shower and chemical toilet



Diesel bowser



Camp with storage container