

ANNUAL ENVIRONMENTAL MONITORING PLAN

Contents

1. Introduction.....	4
2. Legal Regulations.....	6
3. Weather Stations	8
4. Air Quality Monitoring	11
4.1. Additional Monitoring.....	14
4.2. Air Quality continuous monitoring stations.....	14
5. Water Monitoring	17
5.1. Surface Water Monitoring.....	19
5.2. Groundwater Monitoring.....	27
5.3. Wastewater Monitoring.....	31
6. Noise Monitoring.....	34
7. Soil and Plant Material	38
7.1. Soil Monitoring.....	38
7.2. Plant Material Analysis.....	41
8. Biodiversity.....	42
9. Waste	52

Annual Environmental Monitoring Plan

Purpose

Annual Monitoring Plan for 2026 covers all obligations and responsibilities that must be fulfilled, namely the monitoring of environmental parameters. In accordance with legal provisions, it is necessary to ensure the implementation of environmental monitoring in the Project areas.

The Monitoring Plan represents an important element of the Environmental Management System and, as such, it must be organized in accordance with the prescribed methodology. This document is prepared on an annual basis in line with Project activities, legislation and the obligations stipulated by the relevant permits.

Application

This management plan applies to the Environmental Department of DPMetals BH d.o.o. and to all activities under the control of the Environmental Department of DPMetals BH d.o.o.

Owner

General Director



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Page 3 of 55

No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan

1. Introduction

The Vareš Operations represents a underground mine located in the municipality of Vareš, Zenica-Doboj Canton, Bosnia and Herzegovina, operated by DPMetals BH d.o.o. The mine exploits polymetallic ore rich in silver, lead, and zinc, while the processing plant is fully mechanized and utilizes advanced grinding, flotation, and filtration technologies.

The Vareš Operations comprises the following spatial and technological units:

- Rupice underground mine (footprint of 103.92 ha),
- Tisovci ore processing plant (footprint of 107.68 ha),
- Rupice–Tisovci transport road, with a length of 24.5 km,
- Flotation tailings storage facility at the Veovača II location.

The Vareš area has a long and rich historical tradition of ore exploitation and processing. The Vareš Operations continues this tradition in a modern and sustainable manner, with the aim of preserving natural resources, enhancing the local community, and applying high industrial standards.

The final products are lead, silver, and zinc concentrates, which are hermetically sealed in containers and transported to the railway station and subsequently to end users, in full compliance with all applicable legislation and safety standards.

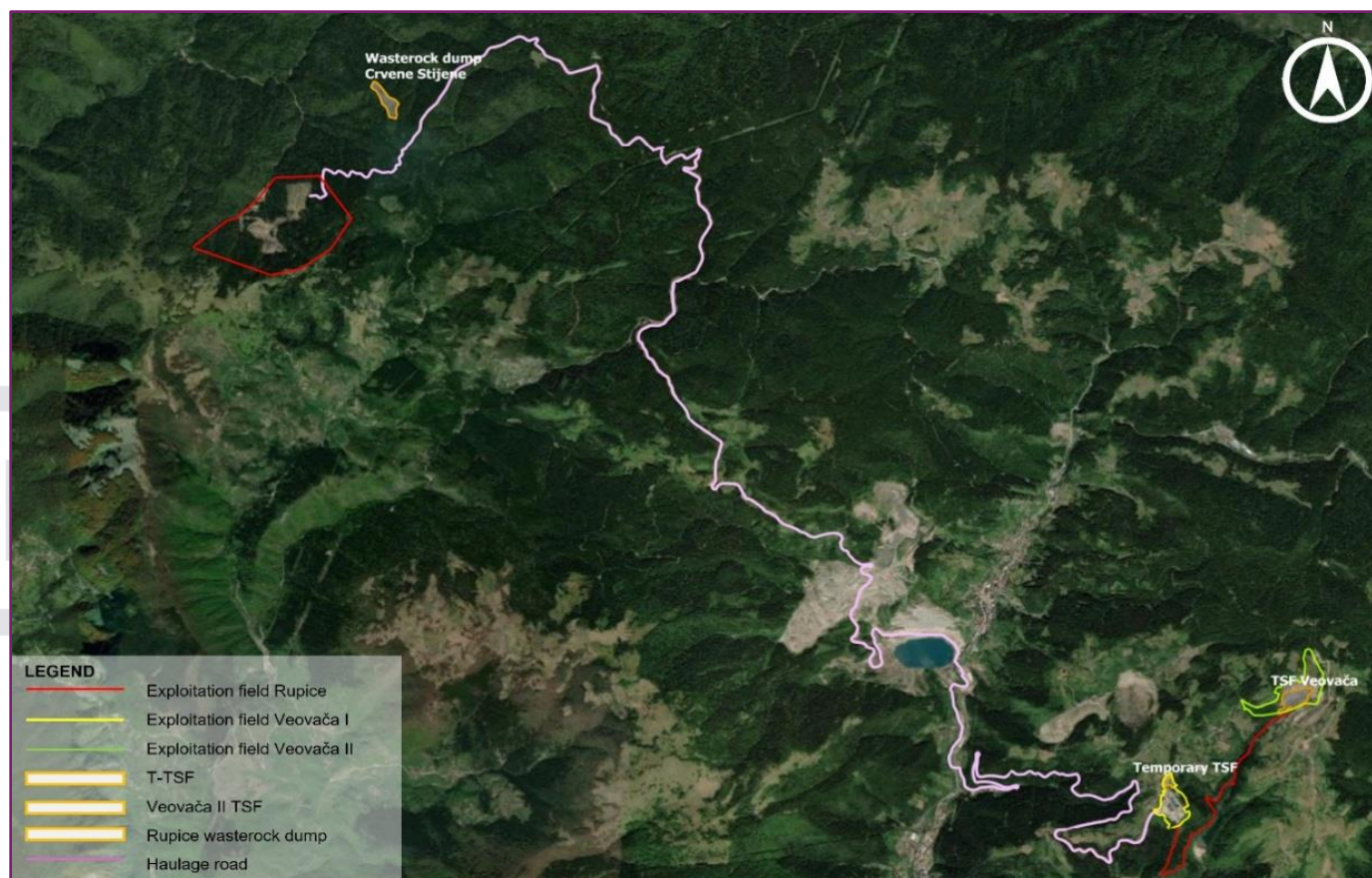


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Page 4 of 55

No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan



Map 1. Operations Vares

No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

2. Legal Regulations

The Monitoring Plan is based on the following permits:

- Decision on the renewed Environmental Permit for facilities and plants for the processing of lead, zinc, and silver ore at the “Tisovci – Veovača II” site, Municipality of Vareš, No.: UPI 05/2-02-19-5-8/25 dated 09 June 2025.
- Environmental Permit for underground exploitation and extraction of complex ore of lead, zinc, barite, and associated mineral components at the Rupice deposit, No.: No: UPI:05/2-02-19-5-184/25 dated 27 March 2026;
- Water Permit for the discharge of contaminated stormwater and for activities that may have specific impacts on water, including the discharge of contaminated stormwater during works carried out in the area of the material disposal site generated in the underground exploitation process, No.: UP-1/21-3/40-0020-9/24 dated 13 May 2025, issued by the Sava River Basin Agency Sarajevo (applies to the stockpile, concrete plant, and backfill).
- Water Permit for the discharge of technological wastewater and for activities that may have specific impacts on water, No.: UP-1/21-3-40-629-4/23 dated 13 February 2024, issued by the Sava River Basin Agency Sarajevo.
- Water Permit for the discharge of sanitary and fecal wastewater from the Rupice–Juraševac–Brestić site, No.: 05-21-05535-1-2/22 dated 21 August 2023, issued by the Ministry of Agriculture, Forestry, and Water Management of the Zenica-Doboj Canton.
- Water Permit for activities that may have specific impacts on water, for the Veovača I–Tisovci site, No.: UP-1/21-3-40-033-8/24 dated 30 September 2024.



No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan

In addition to the permits listed in the introductory section, the Annual Monitoring Plan is also prepared in accordance with local legislative regulations, including:

- Law on Environmental Protection (Official Gazette of the Federation of BiH, No. 15/21);
- Law on Waste Management (Official Gazette of the Federation of BiH, Nos. 33/03, 72/09, 92/17, 72/24);
- Law on Air Protection (Official Gazette of the Federation of BiH, No. 72/24);
- Rulebook on Air Quality Monitoring (Official Gazette of the Federation of BiH, Nos. 9/14 and 97/17);
- Rulebook on Emission Limit Values of Polluting Substances into Air (Official Gazette of the Federation of BiH, No. 12/05);
- Rulebook on the Method of Conducting Air Quality Monitoring and Defining Types of Polluting Substances, Limit Values, and Other Air Quality Standards (Official Gazette of the Federation of BiH, Nos. 1/12, 50/19, and 3/21);
- Law on Protection from Noise (Official Gazette of the Federation of BiH, No. 110/12);
- Law on Waters (Official Gazette of the Federation of BiH, No. 70/06);
- Regulation on the Conditions for Discharge of Wastewater into the Environment and Public Sewerage Systems (Official Gazette of the Federation of BiH, Nos. 26/20, 96/20, and 1/24);

as well as all other relevant bylaws and regulations at the level of the Federation of Bosnia and Herzegovina.

The standards of the European Bank for Reconstruction and Development (EBRD) also served as a basis for the preparation of the Monitoring Plan, along with the Management Plans developed within DPMetals BH d.o.o.



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Page 7 of 55

No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

3. Weather Stations

Weather monitoring was established in 2019 through stations for continuous measurement of parameters such as temperature, humidity, wind direction and speed, radiation and precipitation.

The stations are located within the Processing plant Tisovci and at the top of the Rupice Mine site, towards the village of Gornja Borovica.

In 2024, the station was upgraded, in terms of accessing data in real time via a 4G connection, until then the data was generated in a data logger and had to be read manually once a month. Also, until then, the stations were powered by batteries that, depending on weather conditions, had to be constantly changed, and with this upgrade, the stations are powered by a solar panel.

When it comes to data processing, data is downloaded once a month and processed through a monthly report, which ultimately contains all measured data.

Table 1. Locations of Weather Stations

Weather Station	Location	Coordinates (X, Y)
Rupice	Rupice	6518618, 48944028
Tisovci – Veovača	Tisovci – Veovača	6528314, 4888570

No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan



Picture 1. Weather station Tisovci - location



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No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan



Picture 2. Weather station Rupice- location

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No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan

4. Air Quality Monitoring

Air quality monitoring is in accordance with the issued environmental permits for the processing plant (2025) and for the Rupice Mine site (2026), as well as with the Air quality and greenhouse gas Management plan.

Table 2. Air Quality Monitoring

Dust monitoring				
Location	Coordinates	Parameters	Sampling Frequency	Licensed laboratory
DPM Tisovci	6528347, 4888561	Dust Quantity, heavy metals (Pb, As, Cd, Hg, Zn, Ni, Tl)	Monthly	Sistem Qualita,s d.o.o Pale
Tisovci village	6528203, 4888541			
Veovaca II (TSF)	6529808, 4889846			
Dastansko village	6529902, 4889400			
Rupice Mine site	6518940, 4895221			
Rupice south (close to Gornja Borovica)	6519141, 4894325			
Gases and particulate matter				



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Page 11 of 55

No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan

Location	Coordinates	Parameters	Measuring Frequency	Licensed laboratory
DPM Tisovci	6528347, 4888561	PM10 and PM2,5, O3, CO, SO2	July/august 3 locations x 7 days	Sistem Qualita,s d.o.o Pale
Veovaca II (TSF)	6529808, 4889846			
Rupice Mine site	6518940, 4895221			

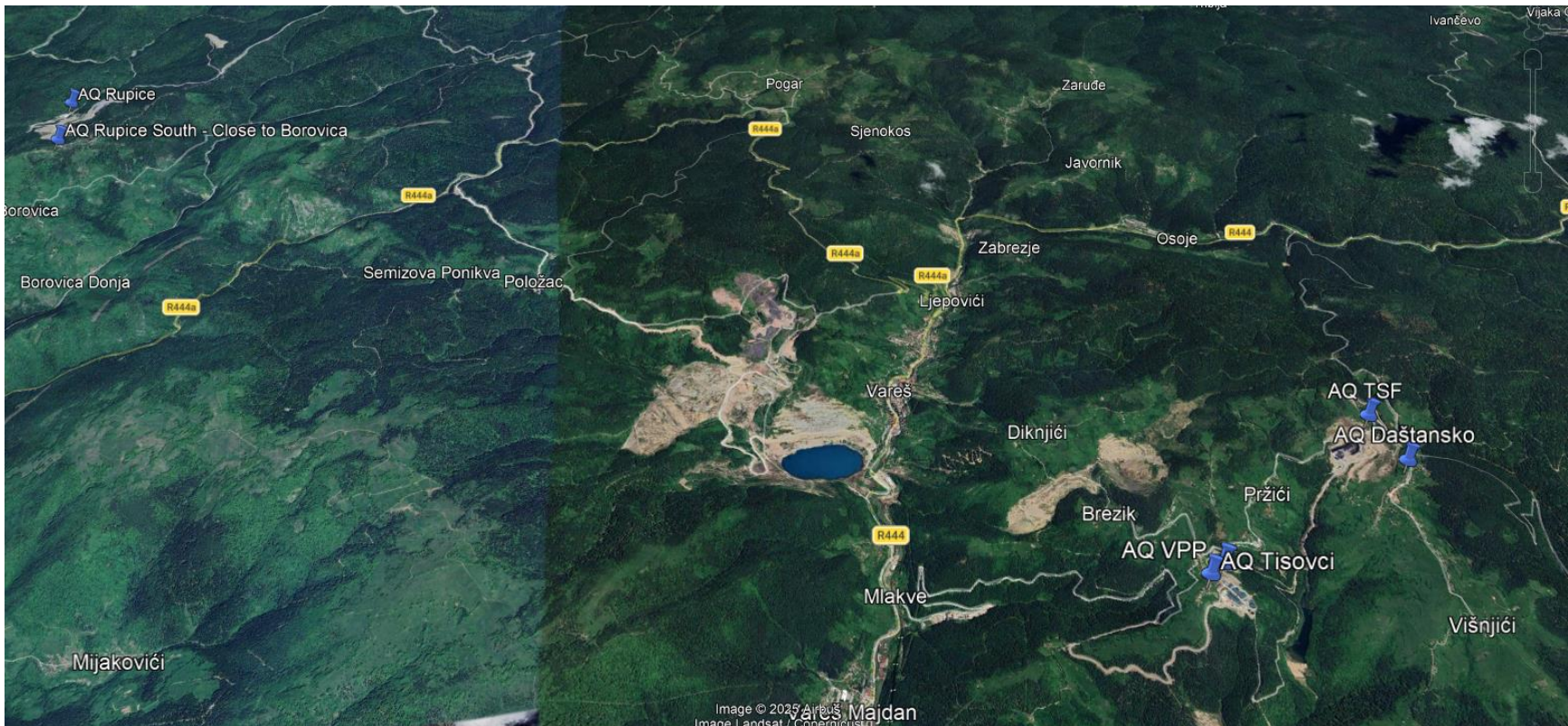


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Page 12 of 55

No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan



Map 2. Air Quality monitoring

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No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

4.1. Additional Monitoring

It is planned to expand existing air quality monitoring, especially on area of Tisovci and Daštansko villages.

It is necessary to determine the concentration of heavy metals at two locations in the area of the villages of Tisovci and Daštansko, and at the relevant locations that are affected by the impacts of the project. This monitoring includes sampling and chemical analysis of sediment samples and aims to determine the content of heavy metals and potentially toxic elements in the total sediment at selected locations, in order to assess the possible impacts of mining activities on the environment.

Analysis and sampling should be carried out by an independent licensed laboratory that performs such tasks in its field of activity.

Determine locations for setting up sampling devices, specifically Bergerhof's sediment collectors, at two (if necessary, more can be included) in the villages of Tisovci and Daštansko.

Sampling will be done on a monthly basis in the period from May to August 2026, inclusive.

4.2. Air Quality continuous monitoring stations

By the beginning of June, DPMetals BH installed three stations for continuous monitoring of air quality, namely monitoring of particulate matters PM10 and PM2.5.

Stations are located on Tisovci, Daštansko and Gornja Borovica and data is available in real time. Map with locations is presented below.

PALAS FIDAS Smart 100 (PM10 / PM2.5) is a continuous particle analyzer used to monitor air quality by measuring PM10 and PM2.5 concentrations. The device is certified by TÜV Rheinland and MCERTS, which ensures reliable and compliant

No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan

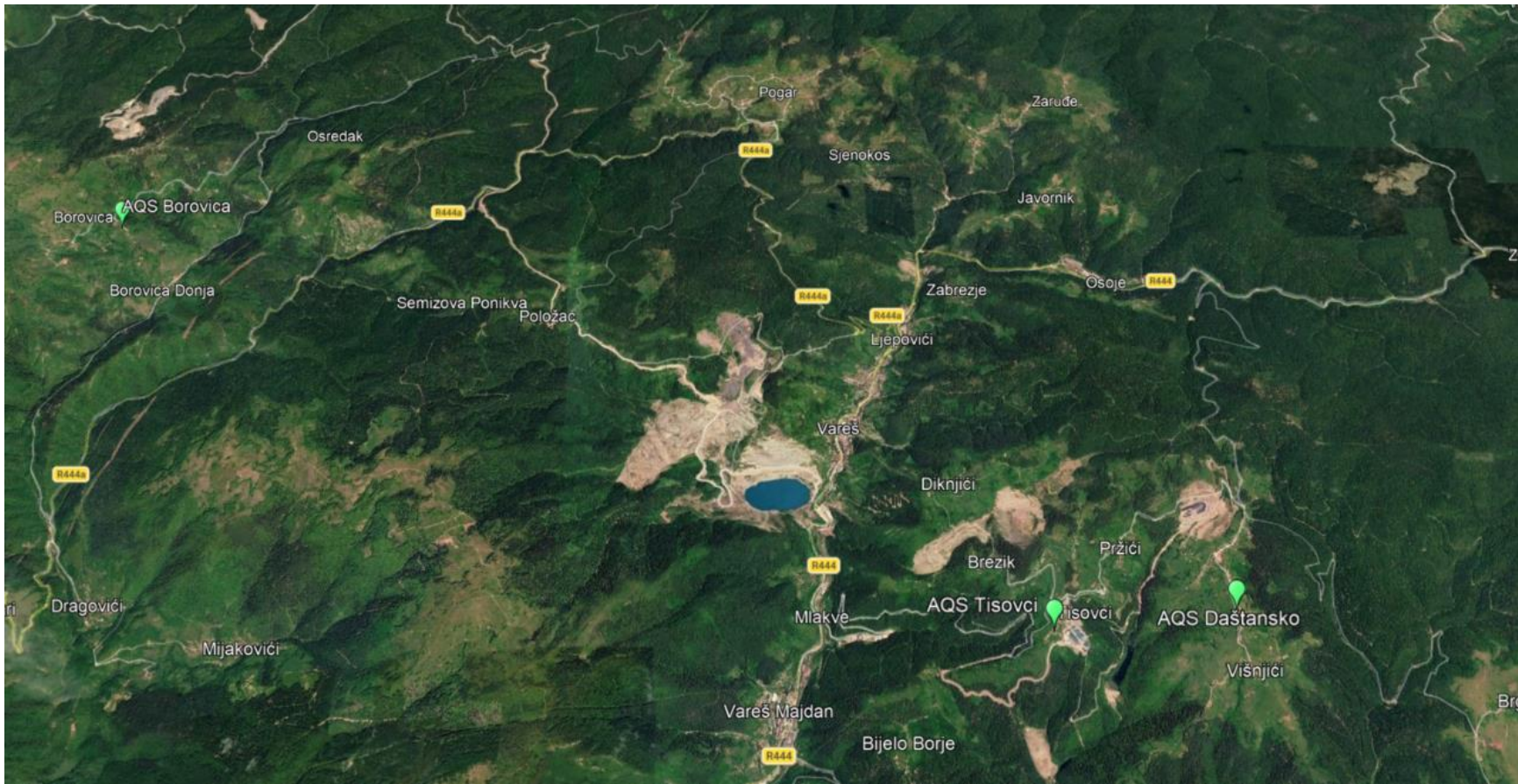
measurements for regulatory purposes. It operates in a wide temperature range (-20°C to +50°C) and is housed in a weatherproof enclosure for outdoor use. The analyzer supports cloud data access through the My Atmosphere platform, includes a 4G router and allows real-time data transmission.



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No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan



Map 3. Air Quality stations

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No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

5. Water Monitoring

Water monitoring includes monitoring of waste, surface and underground water. Monitoring program is primarily defined by the requirements from water and environmental permits, as well as approved project documents and other relevant regulations. Quality monitoring and the quantity of all categories of water is carried out at predetermined locations, which are presented in detail in the following tables. DPMetals BH has signed contracts with licensed laboratories that they carry out sampling and detailed analyzes of surface, underground and waste water. Frequency monitoring is carried out in accordance with the conditions prescribed through valid permits.

The obligations of the contracted laboratories include:

- Performing sampling at locations in accordance with the Monitoring Plan or as requested by the client.
- Carry out the analysis of samples in the specified laboratories, in accordance with the Regulation on Hazardous and Harmful Substances in Waters (“Official Gazette of the Federation of BiH”, No. 43/07) and the Decision on the Characterization of Surface and Groundwater, Reference Conditions and Parameters for the Assessment of Water Status and Water Monitoring (“Official Gazette of the Federation of BiH”, No. 01/14).
- Preparing monitoring reports and presenting the results of the conducted laboratory analyses according to the legal regulation that dictates what the report should contain.
- Holding valid and appropriate permits and accreditation necessary for performing the activities.
- Complying with the deadlines for the delivery of results in accordance with the contract



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Page 17 of 55

No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan

In the event of emergency situations where sampling requires immediate action, sampling may be carried out by a designated member of the Environmental Team.

During sampling, the designated person completes a Sampling Record in two copies, one of which is submitted to the authorized laboratory, while the other is retained in the archives of the Environmental Department. The Sampling Record is provided as Annex A to this document.

Table 2. Laboratories for water analysis

Laboratory	Certificates
Institute for Chemical engineering Tuzla (IHI Tuzla)	1. BATA certificate - Certifikat-LI-78-01.pdf 2. Appendix to BATA Certificate - LI-78-01.pdf 3. Licence from Federal Ministry of agriculture, water and forestry - Microsoft Word - 27.3.26. WEB-SPISAK OVLAŠTENIH LABORATORIJA
Inspekt RGH d.o.o Sarajevo (Laboratory Kakanj)	1. BATA certificate - Certifikat-LI-03-01.pdf 2. Appendix to BATA Certificate – LI-03-01.pdf 3. Licence from Federal Ministry of agriculture, water and forestry - Microsoft Word - 27.3.26. WEB-SPISAK OVLAŠTENIH LABORATORIJA
TQM D.o.o Tuzla	1. BATA certificate - Certifikat-LI-75-01.pdf 2. Appendix to BATA Certificate – LI-75-01.pdf

No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan

	3. Licence from Federal Ministry of agriculture, water and forestry - Microsoft Word - 27.3.26. WEB-SPISAK OVLAŠTENIH LABORATORIJA
Sistem Qualita,s d.o.o Pale	1. BATA certificate – Certifikat-LI-14-02.pdf 2. Appendix to BATA Certificate - LI-14-02.pdf

5.1. Surface Water Monitoring

In this subchapter, the surface water sampling locations surrounding the Vareš Operations are presented. It should be noted that these are defined in the environmental and water permits, including the location codes, number of parameters, and the frequency of sampling and analysis.

Table 3. Surface water monitoring

Surface water monitoring					
Location	Mark (intern)	Coordinates	Parameters	Sampling Frequency	Licensed laboratory
Mala river upstream from Veovaca II TSF – near Camp Veovaca	PPV6	6529901, 4890036	Ionic balance, Turbidity,	Quarterly	Institute for chemical

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Page 19 of 55



No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan

Mala river downstream from Veovaca II TSF, above lake Tisovci	PPV4	6529012, 4888794	Dissolved oxygen,	Quarterly	engineering Tuzla (IHI Tuzla), Inspekt RGH d.o.o Sarajevo, TQM d.o.o Tuzla.
Mala river below lake Tisovci and below Processing plant	PPV3	6528637, 4887670	Carbonates, Bicarbonates, Calcium, Magnesium, Natrium, Potassium, Chlorides,	Quarterly	
Rupice Area			Sulphates, Fluorides, Phosphates, Conductivity, Total dissolved matters, pH, Total suspended matters, total sediment matter, Total oil and fats, N-NH4, Total		
Vruci stream – after Rupice mine site	PP5	6518990, 4895346		Quarterly	
Borovicki stream (Borovica village) – Sastavci (water catchment)	PP1	6520670, 4894836		Quarterly	
Borovicki stream (Borovica Village) – ambulance Donja Borovica (bridge)	PP2	6519740, 4892909		Quarterly	

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Page 20 of 55



No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan

			phosphorus, Total Nitrogen, N-NO3, BOD, COD, Al, As, Ba, B, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Sn, Zn, Tl, Cyanides, Sulphides, Mineral oils.		
Borovicki stream before confluence with Bukovica river	PP6	6518830, 4890317	Carbonates, Calcium,	Monthly	
Bukovica river – upstream from Haul road (Mrestilište)	BUK1	6523444, 4894275	Magnesium, Chlorides, Sulphates,	Monthly	Sistem Qualita,s d.o.o Pale
Bukovica river – downstream from Haul road and upstream before confluence with Borovicki stream	BUK2	6518889, 4890374	Conductivity, Total dissolved matter, pH,	Monthly	

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Page 21 of 55



No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan

Bukovica river – after confluence and before Bridge (Luke location)	BUK3	6518944, 4890067	Total suspended matter, N-NH4, BOD, COD, NO2-N, NO3-N, Al, As, Ba, B, Cd, Cr, Cu, Fe, Pb, Mn, Hg, Ni, Se, Sn, Tl, Permanganat index	Monthly	
Bukovica river – before water catchment Kakanj (Kraljeva sutjeska)	BUK4	6518626, 4886737		Monthly	
Bukovica river – downstream from Dragovici village (after sewage system)	BUK5	6519198, 4889383		Every 3 months	
Regulations and limit values	Regulation on hazardous and harmful substances in water http://www.fbihvlada.gov.ba/bosanski/zakoni/2007/uredbe/18.htm				

No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan



Map 4. Surface water monitoring VPP & Veovača II



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No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan



Map 5. Surface water monitoring Rupice

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No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan

Online water quality monitoring station: This station for monitoring basic water quality indicators was installed in Vrući potok at the Rupice mine site. This multiparameter water analysis panel based on the Endress+Hauser CDP20 multiparameter panel is used for continuous monitoring of water quality across multiple key parameters. It consists of a Liquiline CM444 analyzer that collects and processes data from multiple sensors, including a Turbimax CUS52D for turbidity measurement, a Memosens CPS11E for pH value, a Memosens COS22E for dissolved oxygen and a Memosens CLS21E for electrical conductivity. The system enables precise and reliable continuous measurement in industrial and environmental applications, with digital Memosens technology ensuring stable data transmission and easy maintenance. Data is read and processed centrally via a controller, while the sensor connections are enabled by Memosens cables, making the entire system suitable for automated water quality monitoring.



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Page 25 of 55

No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan



Picture 3. Installation online monitoring station (Vrući potok)



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Page 26 of 55

No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan

5.2. Groundwater Monitoring

In this subchapter, the groundwater monitoring locations surrounding the Vareš Operations are presented. It should be noted that these are defined in the environmental and water permits, including the location codes, number of parameters, and the frequency of sampling and analysis.

Table 3. Groundwater monitoring

Groundwater monitoring ¹					
Location	Mark (intern)	Coordinates	Parameters	Sampling Frequency	Licensed laboratory
Rupice south	BRW1	6519276, 4894662	Calcium, Magnesium, Natrium, Potassium, Chlorides, Sulphates, Fluorides,	Quarterly	Institute for chemical engineering Tuzla (IHI Tuzla), Inspekt RGH d.o.o Sarajevo, TQM d.o.o Tuzla.
Rupice south	BRW2	6519307, 4894713			
Rupice near Eurofarm ambulance	BRW4	6518898, 4895107			

¹ It is planned to drill 7 piezometers (4 on Veovaca II TSF and 3 on Rupice – close to Borovica village) and will be included in monitoring plan.

No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan

Veovaca II TSF well	PIT	6529639, 4889826	Conductivity, Total dissolved matter, pH, BOD, COD, Al, As, Ba, B, Cd, Cr, Cu, Fe, Pb, Mn, Pb, Mn, Hg, Ni, Se, Sn, Zn, Tl, Cyanides.		
Piezometer at Tisovci lake – dump	MW20TSF	6528711, 4887802			
Piezometer downstream from Tisovci lake (Mala river)	PIEZO	6528201, 4887391			
Regulations and limit values		Decision on the characterization of surface and underground waters 01/14, PRAVILNIK			



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Page 28 of 55

No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan



Map 6. Groundwater Monitoring VPP & Veovaca II

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No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan



Map 7. Groundwater Monitoring Rupice



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No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan

5.3. Wastewater Monitoring

In the area of the Rupica mine, an SBR device for the treatment of sanitary - fecal water, as well as a plant for the treatment of contact water, was installed. After the construction of the water treatment plant, the water from the underground as well as all the water from the manipulative surfaces were diverted to treatment, where mechanical-physical-chemical treatment is automatically performed.

According to the Regulation on the Conditions for Discharging Wastewater into the Environment and Public Sewerage Systems ("Official Gazette of the Federation of BiH", Nos. 26/20 and 96/20), sampling of sanitary–fecal wastewater after the biological wastewater treatment plant (SBR) is performed twice a year.

Monitoring of technological wastewater and assessment of water quality at the Rupice mine site will be conducted monthly by an authorized laboratory.

The operator is obliged to provide a sampling shaft and tap at the site, directly before discharge into the recipient, as well as to measure the volume of discharged water.



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Page 31 of 55

No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan

Table 4. Wastewater Monitoring

Wastewater monitoring				
Location	Mark (intern)	Coordinates	Parameters	Sampling Frequency
Rupice before Water treatment plant (Lagoon)	WTP Before	6519004, 4895184	pH, Conductivity, Total suspended matter, Depository matter, Ammonia nitrogen, Total nitrogen, Total oil and grease, Chlorides, Sulphate, Alkalinity, Cr, Fe, Cu, Zn, Ni, Pb, Mn, Turbidity, Flow, Temperature,	Every month
Rupice after Water treatment plant	WTP after RO5	6518989, 4895208		

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Page 32 of 55



No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan

			Ionic Balance, Carbonates, Total dissolved matter, Ca, Mg, Na, K, Fluorides, Phospate, COD, BOD, TL, Al, As, Ba, Cd, Hg, Daphnia Magna.	
Rupice – Sanitary – fecal water	SBR	6518951, 4895254	COD, BOD, Total suspended matters	Twice per year
Regulation and limit values		Regulation on the conditions for discharging wastewater into the environment and public sewage systems (26/20, 96/20, 01/24) https://fmoit.gov.ba/wp-content/uploads/dokumenti/Uredba-o-usl-ispus-otp-vod-u-okolis-i-sist-jav-kanaliz-26_20.pdf		

No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan

	https://fmoit.gov.ba/wp-content/uploads/dokumenti/96_20.pdf https://fmoit.gov.ba/wp-content/uploads/dokumenti/lzmjena-uredbe-1_24.pdf
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***NOTE: Regarding Water Permits, DPM have obligation to report quality of wastewater on Rupice Mine site annually, based on monthly analysis. Reports need to be sent to Sava river watershed agency by 30 March for previous year.

6. Noise Monitoring

Noise monitoring is defined by the environmental permits for the area of the processing plant and Rupice mine site and will be carried out in accordance with the prescribed methodology and method of measurement.

Table 6. Noise Monitoring

Noise Monitoring				
Location	Mark	Coordinates	Parameters	Frequency
Veovaca II TSF	MM5	6529860, 4889835	Laeq, La10,La90	
VPP Tisovci	MM6	6528370, 4888544		

No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan

Near houses Tisovci	MM7	6528253, 4888674		Once in year x 15 minutes on each location
Sources of noise – Rupice mine site	B1, B2, B3, B4, B5	/	Laeq, La10,La90	Once in year x 15 minutes on each location or periodically
Environmental noise – Top of Rupice close to Gornja Borovica	R-MM1	6519100, 4894334	Laeq, La10,La90	Once in year x 15 minutes on each location or periodically
***NOTE: Measuring needs to be performed more then Permits prescribed and in a full production capacity.				

DPMetals BH plans to acquire three continuous noise measurement stations, which will provide real-time data on noise levels. The stations will be installed in Tisovci, Veovača and Rupice.

Environmental department also has a first-class noise measuring device for internal purpose and noise level measurements will be carried out periodically.

No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan



Map 8. Noise Monitoring Rupice

No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan



Map 9. Tisovci & Veovaca II Noise monitoring



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No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

7. Soil and Plant Material

7.1. Soil Monitoring

Grid soil sampling is a systematic method of collecting soil samples according to a predefined spatial arrangement, with the aim of ensuring a representative assessment of soil conditions across the study area. This approach enables uniform coverage of the terrain and a reliable evaluation of the spatial distribution of the analyzed parameters.

In this case, sampling will be organized using a system of cyclic circles, taking into account the prevailing wind direction (wind rose), along the northeast–southwest axis. This approach allows for tracking the potential dispersion of pollutants and establishing their relationship with the emission source.

Sampling will be conducted at a total of 13 locations. At 8 locations, surface soil samples (0–25 cm) will be collected, while at 5 locations, sampling will be performed by depth profiles (0–10 cm, 10–30 cm, and 30–70/90 cm). This methodology enables a more detailed assessment of the vertical distribution of contaminants in the soil.



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Page 38 of 55

No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan

Table 7. Soil Monitoring Details

Sample locations / labels	Type of sampling	Depth (cm)	Parameters analyzed	Method
1-3, 2-3, 3-3, 4-3, 5-3	Depth profiles	0–10 / 10–30 / 30–70/90	pH (H ₂ O), pH (KCl), CaCO ₃ , Pb, Cd, Ni, Zn, Fe, Mn, Cr, As, Hg	AAS (Perkin Elmer), JUS H.Z1.111/87
1-1, 2-1, 3-1, 4-1, 5-1, 6-1, 7-1, 8-1	Surface layer	0–25	pH (H ₂ O), pH (KCl), CaCO ₃ , Pb, Cd, Ni, Zn, Fe, Mn, Cr, As, Hg	AAS (Perkin Elmer), JUS H.Z1.111/87

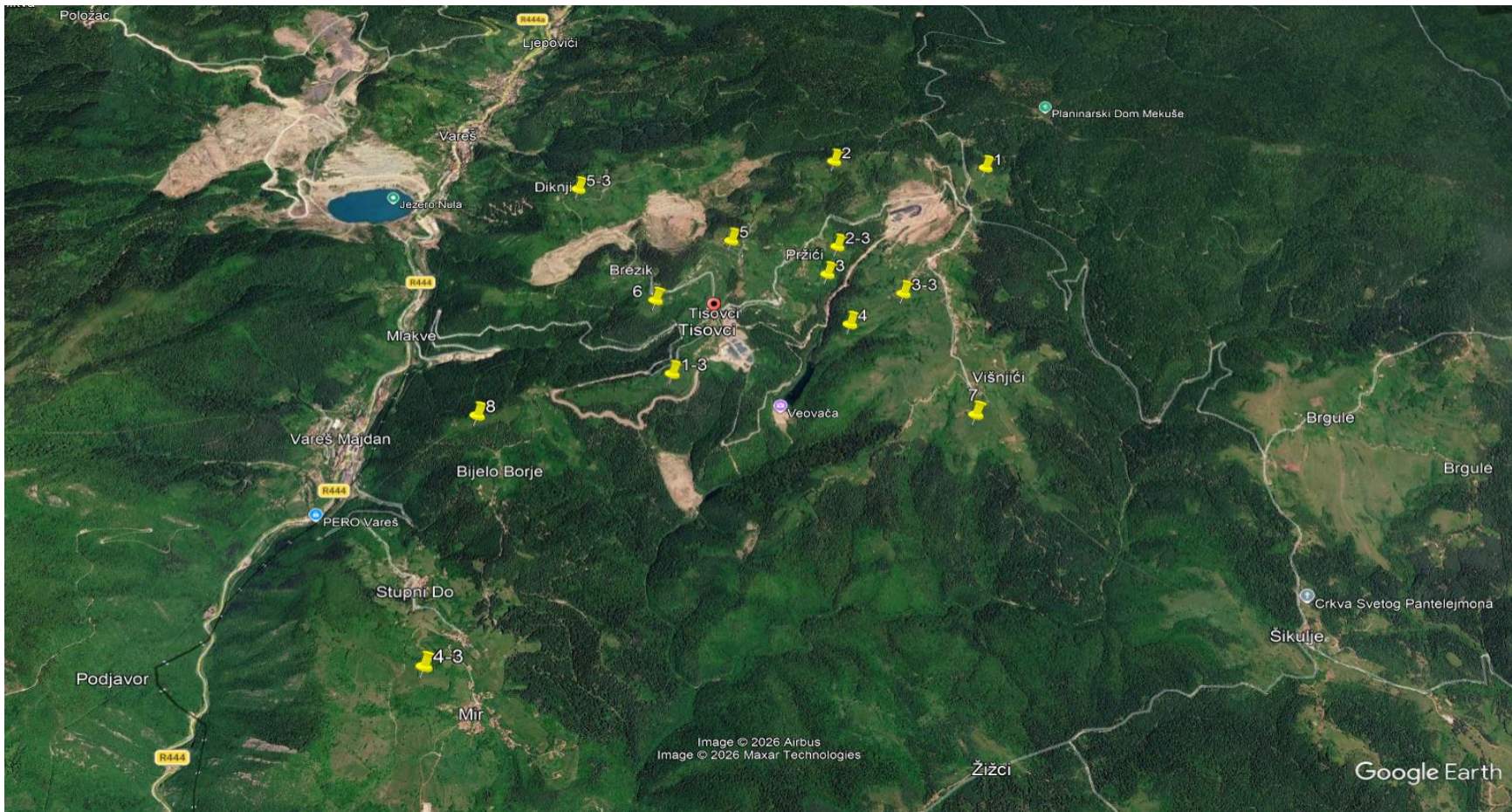


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Page 39 of 55

No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan



Map 10. Soil Monitoring Locations



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No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

7.2. Plant Material Analysis

Sampling, preparation, and chemical analysis of plant material will be carried out to determine the content of heavy metals, including Cd, Pb, Ni, Zn, Fe, Mn, Cr, As, and Hg.

Plant samples will be collected from selected locations and include both aboveground and underground plant parts, as well as fruits and mixed vegetation. Specifically, the sampled material comprised: aboveground parts of lettuce, spinach, parsley, and cabbage; underground parts of onion, carrot, and potato; fruits of plum and apple; and a mixture of clover and grass. A total of 24 samples were collected.

Sampling and analysis will be conducted with the aim of assessing the presence and concentration of contaminants in plant material and evaluating potential risks for human consumption.

Chemical analyses will be performed in accordance with **Perkin Elmer Analytical Methods for Atomic Absorption Spectrometry (AAS)** for the determination of metals (Cd, Pb, Ni, Zn, Fe, Mn, Cr, As, Hg), while pH determination (if applicable) follows the **JUS H.Z1.111/87** standard.

The evaluation of results will be carried out in relation to the maximum permitted levels (GV) defined by national and European regulations, specifically:

- Rulebook on maximum permitted levels of certain contaminants in food ("Official Gazette of BiH", No. 68/14, 79/16, 84/18)



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Page 41 of 55

No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan

- Regulation (EC) No. 2020/23/815 on maximum levels of certain contaminants in food

Sampling locations include: Pržići, Daštansko, Mir, Višnjići, Tisovci

Table 8. Details Plant Material Analysis

Sample type / plant material	Plant part	Parameters analyzed	Method
Lettuce, spinach, parsley, cabbage	Aboveground vegetables	Cd, Pb, Ni, Zn, Fe, Mn, Cr, As, Hg	AAS (Perkin Elmer)
Onion, carrot, potato	Underground vegetables		AAS (Perkin Elmer)
Plum, apple	Fruit		AAS (Perkin Elmer)
Clover and grass mixture	Mixed biomass		AAS (Perkin Elmer)

8. Biodiversity

Biodiversity Action Plan (BAP) is implemented through continuous monitoring and protection measures in accordance with the Environmental Impact Assessment Study and European standards (e.g. EBRD PR6). The key activities carried out by DPMetals BH include:

- Monitoring of watercourses across five rivers and ten locations, with sampling conducted twice a year. Based on the results, reports are prepared and corrective measures introduced when necessary.



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Page 42 of 55

No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan

- Biodiversity monitoring with a focus on protected species (Annex II and IV), particularly in the Mala Rijeka catchment, through annual field surveys.
- Annual site visits to habitats (mountain meadows and other areas) to assess conditions and monitor plant species.
- Control of invasive species (e.g. Japanese knotweed), including removal and prevention of further spread.
- Restoration of forest ecosystems through rehabilitation and reforestation using native species, aiming to improve biodiversity with no net loss.

The company is responsible for implementing these measures in cooperation with relevant institutions and the local community. Monitoring is carried out by independent experts under the supervision of the company's environmental team, with regular annual reviews.

Table 9. Biodiversity Monitoring

Key activities – Biodiversity Action Plan			
Ecological receptor	Summary of activities	Justification of actions	Time
Amphibians that breed along the Vrući potok and Trstionica rivers downstream of the mouth Vrući potok and along the Mala river (Appendix IV species): - Yellow jay - Green frog - Greek frog	Wastewater management in accordance with the ARRRT (Avoid, Reduce, Restore/Regenerate, Transform) framework to avoid, mitigate and minimise impacts on amphibian PBFs and minimise net losses, and ensure net gains over the lifetime of the project, including: Supervision and maintenance of ponds and ponds for amphibians in wetlands in the zone of impact of operations.	Annex IV species are drivers of critical habitat and therefore in the long term there can be no demonstrable impact on the populations of species within the EAAA, i.e. on local populations in the zone of impact of the operations (without net losses).	It is mandatory to take appropriate protection measures to minimize net losses in the operational phase and after the cessation of operations. Also, it is imperative to undertake and implement all measures and activities related to the protection of PBF watercourses and PBF

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Page 43 of 55



No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan

- A nimble frog	Translocation from an endangered zone to a suitable location of the same habitat. Preventing the runoff of polluted wastewater into watercourses. Installation and maintenance of wastewater treatment facilities for the purpose of their return and prevention of the impact on the hydrological and ecological conditions of the watercourses into which they are discharged and which constitute the habitat of PBF Amphibians. Monitoring the quality of effluents to verify the environmental impact and the effects of the measures taken. Supervision of the undertaking of wastewater and waste management measures. - Monitoring PBF of amphibians for the next five years, including breeding activity by hiring an appropriately qualified ecologist (SQE).		amphibian habitats to minimize net losses and ensure net profit during the project. Monitoring PBF amphibians at least once a year for the next five years.
Invertebrates listed in Annex II, IUCN-EN White-footed crayfish (PBF) Annex II, IUCN-DD; Stone crayfish	Wastewater management in accordance with the ARRRT framework in order to avoid, mitigate and minimise impacts on invertebrate PBFs and minimise net losses, i.e. no net losses	Annex II and IUCN-EN are PBFs. In accordance with PR6, the project must not show a net loss or,	Taking wastewater management measures in accordance with the ARRRT framework during the operational phase and duration of the project.

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Page 44 of 55



No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan

		ideally, a long-term net profit of the PBF	
PBF watercourses from the plain to the montane belt (Annex I. Habitat): - Vrući potok - Mala river - Rijeka Bukovica - Borovički potok	Wastewater management in accordance with the ARRRT framework to avoid, mitigate and minimize the impact on PBF watercourses so that the project does not cause changes and disturbances in these watercourses in the operational phase.	In accordance with PR6, the project must not demonstrate a net loss or ideally a net profit of PBF in the long term. Since the listed PBF watercourses are in the area of impact, avoidance and mitigation/minimisation measures are required	It is imperative to take and implement all measures related to the protection of PBF water courses, defined by the water and wastewater management plan during the operational phase and duration of the project.
Priority Biodiversity Characteristics (PBF) of spruce forests (Annex I. Habitat)	Restorative management (RM) of the identified area of retained degraded forest in the vicinity of the Rupice mine site in order to improve the value of biodiversity, including, but not limited to, selective logging, forced veteranization of some trees, creation of intermittent clearings suitable for natural regeneration, etc. The proposed area for the RM is of 100 ha of degraded spruce forest so that the net gain can be demonstrated in terms of habitat quality combined with the restoration of the area. The base area and buffer area to be established with the	In accordance with PR6, the project must demonstrate in the long term that there is no net loss or that it ideally has a net profit of PBF.	The area of the existing poor condition spruce forest located near the Rupice mine site, in the area of the Municipality of Vareš has been identified as suitable for restoration and restorative management in cooperation with the Forest Management Company of Zenica-Doboj Canton, in order to compensate for the losses and be able to achieve the RM requirements specified in

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Page 45 of 55



No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan

	foundation area is approximately 75% of the total area to ensure NNL. Monitor the success of the restoration in accordance with the Forest Area Restoration Management Plan in order to compensate for the losses caused by the project.		BIO.04 of the BAP (below) during the operational phase and duration of the project.
Any potential receptor	Ecological monitoring of plant and plant sites by SQE and nearby buffer/transition areas to identify and ensure that no biodiversity priority features requiring specific or additional avoidance and/or mitigation have been identified from the initial/baseline surveys.	Some PBF or ACH species are mobile and may have colonized in the areas of plant and plant locations since the basic research was conducted.	Periodic annual monitoring of the presence or colonisation of potential PBF or ACH species within the areas of the sites of the plants and installations where operational activities are carried out.
- Reptiles (Appendix IV species):- Viper snake - Wall lizard- Blind - Green Lizard - Sand Lizard - Smooth Snake - Slender Snake	The operations shall not have a significant effect on the species listed in Annex IV - Critical Habitat Triggers. Preserved parts of the area at the sites of plants and plants can be occasional or transient habitats for these reptile species, which can adapt to favorable ecological conditions, which is why periodic monitoring and protection measures are required, including their relocation to retained habitats. The forest restorative management area will contribute to the maintenance and increase	Annex IV species are drivers of critical habitat and therefore in the long term there can be no demonstrable impact on their populations within the EAAA (i.e. local populations).	Operational areas should be kept mowed in order to prevent colonization and passage of reptiles (the active period of reptiles is usually from April to October in sunny weather) during the operational phase and duration of the project.

No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan

	of the populations of the listed species listed in Annex IV. Directive		
PBF Mountain meadows - will be permanently lost due to the construction of a haul road	5 ha of devastated and untidy mountain meadows in the area of Semizova Ponikve have been identified, which are being restored to compensate for the losses in the habitat of mountain meadows in the area of Semizova Ponikve caused by the construction and use of the transport route Rupice - Tisovci.	In accordance with PR6, the project must demonstrate that there is no net loss or ideally that it has a net profit of PBF. This habitat is located along a freight road and is vulnerable to residual runoff, dust and nitrogen deposition from trucks.	The area in Semizova Ponikva has been identified so that the measures of restoration management of the identified meadows have been established and are being implemented in accordance with the plan for the restoration and management of the restored area of mountain meadows.
PBF Hydrophilic vegetation of tall greens (Annex I. Habitat)	This habitat is located near the freight road north of the village of Semizova Ponikva and is spread over an area of approximately 1.5 ha, along a small stream that sinks on the border of meadows with spruce forests. Given that the habitat of hydrophilic vegetation of tall greens is very sensitive to changes in ecological conditions and that it supports ACH species (marsh marigold) and PBF (angelica, yellow carousel, etc.) and that it is exposed to possible indirect impacts of the use of the transport road, it is necessary to ensure the management of protection measures for this habitat and the monitoring	In accordance with PR6, it should be ensured that there is no net loss or ideally that there is a net profit of PBF for the lifetime of the project. This habitat is located near the transport route and is therefore exposed to indirect negative impacts of potential hydrological disturbances due to the impact on hydrological	During the duration of the project, it is necessary to establish and undertake measures to protect the habitat of hydrophilic vegetation of tall greens in order to avoid negative impacts on this habitat so that there is no net loss in this habitat under the influence of the use of the transport road for the purposes of operations related to the transport of ore and other materials.

No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan

	of the condition and changes in its structure in order to maintain the existing natural potential of biodiversity without net loss.	conditions and residual runoff from the transport route.	
- (PBF as a precaution) - Balkan endemics or FBiH, CR, EN or VU plant species: - Marsh marigold (FBiH-CR), - Pančić's jelly (FBiH-VU), - Red Head (FBiH-VU) - Long-leaved headworm (VU), - Anđelika (FBiH-VU), - Kohov encijan (FBiH-VU), - Blue Forest (FBiH-VU),	Restorative management of spruce forests, mountain meadows and hydrophilic vegetation of tall greens in accordance with the developed action plan will ensure crucial mitigation of the negative impacts of operational activities and improvement of ecological conditions necessary for the maintenance and increase of local populations of these plant species, as they are treated as PBFs due to their unfavorable conservation status in the region or endemism in the Balkans. The populations of these plant species should be monitored periodically, every year, during the spring-summer season, and field protection measures should be taken to ensure the establishment over several seasons and the maintenance of natural potential without net losses, and ideally to achieve net PBF during the duration of the project.	In accordance with PR6, the project must demonstrate that there is no net loss or ideally that it has a net profit of PBF for the lifetime of the project. The species are preventively treated as PBFs due to their unfavorable conservation status in the region or endemism in the Balkans.	During the duration of the project, it is necessary to take measures to protect the reserved habitats of acidophilous spruce forests, mountain meadows and hydrophilic vegetation of tall greens and restorative management areas in order to avoid negative impacts on these species so that there is no net loss of these species. During the duration of the project, periodic monitoring of the impact on these species is required by engaging SQE in order to identify conditions and changes so that operations do not cause a net loss.

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Page 48 of 55



No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan

- Yellow Carousel (FBiH-VU), - Yellow sedge (FBiH-VU), - White Heads (FBiH-NT), - White Udder (FBiH-NT), - Hairy comb (NT), - Močvarna kruščika (LC), - Transilvanijska pjegava orhideja (LC), - Dinaric roast - endemic, - Spiny bristle - Balkan endemic			
Annex I Birds (PBF): Hazelnut/partridge (<i>Bonasa bonasia</i>) and nationally vulnerable species (FBiH VU).	The management of the proposed spruce forest area for restorative management (RM) in BIO.04 will benefit this species in the long term in order to support local populations. Therefore, it is necessary to implement restorative management measures for this	The species of bird listed in Annex I which is PBF. In accordance with PR6, the project must demonstrate that there is no net loss or, in the long	Management of the spruce forest area (RM) in BIO.04 in accordance with the action plan to support local populations of hazel grouse and other PBF bird species, in

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Page 49 of 55



No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan

	area in accordance with the developed action plan.	term, that there is a net profit of PBF. This and some other PBF bird species are threatened by habitat loss and climate change.	order to achieve the RM requirements specified in BIO.04 of the BAP, so that operations do not cause net loss of these bird species.
Annex IV Large mammals (qualified ACH species): Brown bear Gray wolf European wildcat	Introduce and maintain a speed limit on the freight road and install appropriate signage along the road to inform drivers of the potential presence of large mammals, especially at night. Restorative management of retained forest away from the freight road benefits these species through increased coverage, availability of pit/shelter sites, and food resources. Adaptive steering should be used if monitoring identifies regular, i.e. preferred road crossings for large mammals. Proper disposal of food waste, especially in the area of the Rupice Mine, will ensure that bears are not attracted to work areas where there could be interaction with staff. Work personnel should be instructed and	The species listed in Annex IV are drivers of critical habitat and therefore there must be no demonstrable impact of working activities on the populations of those species within the EAAA in the long term. Areas at plant and plant sites are not considered critical habitat for those species for which evidence shows that some of these areas can only be used occasionally, e.g. for crossings and	Speed limits and signage are set before the first use of the transport route by trucks to transport ore and other material. Posted speed limit notices and signalling should be kept in working order and easily visible at all times. Ensure that waste is not available to specified mammals and other animals during the operational phase and duration of the project. Periodic monitoring by remote cameras should be carried out along the transport route to verify that large mammals are

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Page 50 of 55



No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan

	periodically warned about garbage disposal and behavior if they notice these species. Remote monitoring by cameras of potential preferred passages of mammals along the freight road by the SQE, in order to establish appropriate use by large mammals and to inform of any characteristic phenomena and mitigations if their regular preferred road crossing is found.	movements in search of food and/or water. Monitoring during the use of the transport route in the operational phase has shown that the road does not cause a significant barrier effect for the passage of large mammals. During the use of the freight road so far, no trampling/damage of mammals has been registered, nor have significant crossings of mammals across this road been observed.	using certain areas as preferred crossing points in order to take additional appropriate measures to ensure smooth crossings and protect them during the operational phase and duration of the project.
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Page 51 of 55



No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

9. Waste

DPMetals BH has developed Waste and non-hazardous Waste Management Plan, also Procedure on Waste Management and they prescribed all measures of waste management, collecting and storing and final disposing of waste.

Procedure and Plan covered every location of DPM BH, and on same locations are installed bins or storages of collecting waste.

All types of waste must be disposed by licensed companies for waste disposal. DPM has contracts with several waste companies, depend on waste types and categories.

Below are shown maps of collecting waste points, and responsible persons for organising waste removal.



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No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan



Picture 3. Steps of Waste Management per each location

No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan



Picture 4. Waste collecting and disposal

No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26

Annual Environmental Monitoring Plan

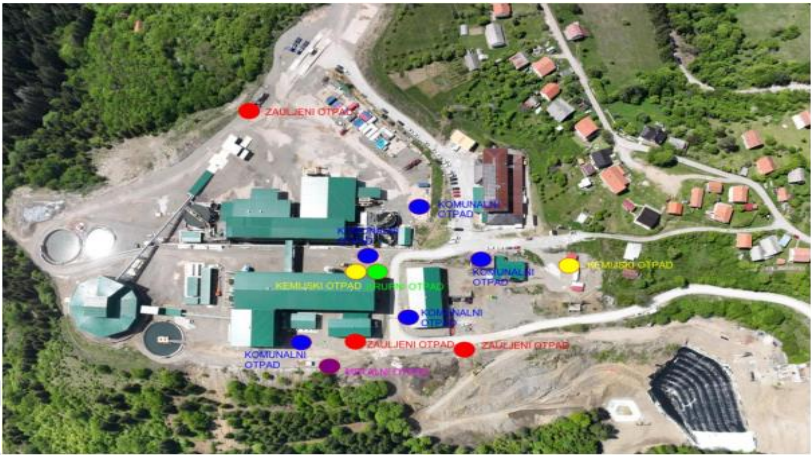
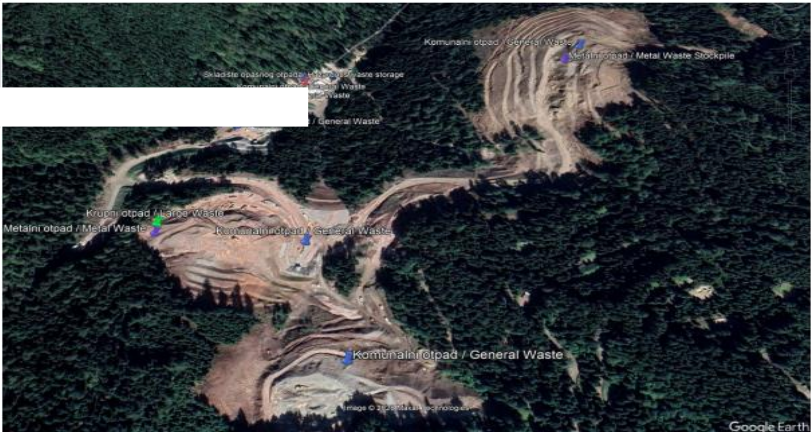


Figure 3. Waste collection points Rupice



- Red – Oiled waste
- Yellow – Chemical waste
- Green – Large waste
- Blue – General waste

Map 10. Waste locations at the site

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No of documnet	Version	Owner	Approve by	Date	Period of review	Next review
DPM-ENV-MP-xxx	001	General Director	Armenak Grigoryan	01/12/25	1 year	31/12/26