

ADRIATIC METALS PLC VAREŠ PROJECT WASTE AND HAZARDOUS WASTE MANAGEMENT PLAN

APRIL 2024

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OPERATOR/INVESTOR INFORMATION

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ADDRESS: Tisovci bb, 71 330 Vareš

DOCUMENT TITLE: Waste and Hazardous Waste Management Plan

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AUDIT: **Šefket Goletić & Goran Prajo**

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Audit	Date	Authors	Revised by	Site
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3.0.		Mustafa Hadžalić	Goran Prajo	Appendixes

THE HISTORY OF THE REVISION

Rev.	Status	Date	Update/Modification Details
2.0	Additional measures (ARD treatment plant)	14/02/22	Appropriate measures for the management of sludge generated in the Wastewater treatment plant, page 11, Disposal of sludge generated from the wastewater treatment plant
3.0.	Revised, integrated with the Waste Management Plan for the Rupice Mine and the Waste Management Plan for VPP Tisovci	25/04/24	Detailed amendments to the Waste Management Plan have been made in order to: - Aligning with the operational phase of the Vareš Project, - integration with the Waste Management Plan for the Rupice Mine and the Waste Management Plan for VPP Tisovci, - the inclusion of the Crvene stijene tailings landfill, - identification and categorisation of other types of waste generated in the operational phase; - revision, harmonization and definition of additional measures for waste management, - modification and application of other, more efficient methods of treatment and/or disposal and disposal of waste; and Integration and optimization of the waste management system at all locations of the Vareš Project.

ISSUED FOR:	Design	Construction	x Operations		Other	_
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PERSONS APPOINTED FOR THE IMPLEMENTATION OF THE WASTE MANAGEMENT PLAN

According to Article 20. Law on Waste Management (Official Gazette of FBiH, No. 33/03, 72/09 and 92/17), for the implementation of the Waste Management Plan in the company Adriatic Metals BH d.o.o. Vareš, the following persons have been appointed:

Aida Jusić, graduated	Responsible person for the management of waste generated as a		
Geology engineer	result of geological exploration works		
	(signature)		
Elvis Burić, graduated Civil engineer	Responsible person for construction waste management		
	(signature)		
Goran Prajo, graduated	Responsible person for the management of other types of waste,		
Information Systems and	and timely and complete reporting to the Environmental Protection		
Technology	Fund on the quantities of waste, in the manner prescribed by the Act and other regulations.		
	(signature)		

The Waste Management Plan has been developed for the purpose of managing all types of waste generated in all plants and plants and at all locations of Adriatic Metals BH d.o.o. in Vareš and is valid for five years or until the moment of significant changes in the operation of plants and plants or the occurrence of other types of waste that are not included in this plan.

AUTHORIZATION OF THE AUTHORIZED PERSON

Dino Busuladžić,
Executive Director for Technical Affairs

1. INTRODUCTION

1.1. Purpose and scope

The Waste Management Plan (MSP) aims to identify all types, origins, quantities and methods of waste management generated in all plants and locations of the Vareš Project, and to establish and maintain an efficient waste management system by applying the hierarchy defined by the EU Waste Framework Directive (Directive 2008/98/EC), the provisions of the Law on Waste Management of the FBiH and national waste management policies.

The Vareš project includes the following areas:

- 1. Rupice Mine with underground and above-ground infrastructure at the location of Rupice, Municipality of Vareš;
- 2. Ore processing plant at the location of Tisovci (VPP), area of the municipality of Vareš;
- 3. Landfill "Crvene stijene", area of the municipality of Vareš;
- 4. Public road between the Rupice mine and the Tisovci Ore Processing Plant (VPP)



Figure 1. View the locations of the Vareš Project

The fundamental objective of this Waste Management Plan is to find, establish and maintain the most acceptable way for the collection, segregation, storage, handling, transport and disposal of all types of waste generated at the locations and areas of the Vareš Project in the best acceptable way in order to protect health, community safety and environmental protection. Starting from the basic objective, the Waste Management Plan includes the following hierarchy of priorities in the waste management system:

- waste prevention,

- reducing the amount of waste and hazardous substances produced in waste, and reducing the harmful effects of waste on the environment and human health,
- treatment (recycling) of waste in a way that ensures the return and utilization of usable material from waste,
- disposal in landfills in an environmentally acceptable manner of those types of non-hazardous waste that are not subject to the return of components, reuse or energy production, and disposal of hazardous waste in an environmentally acceptable manner, by delivery to an authorised operator for final disposal.

The Waste Management Plan defines a waste management system in all plants and areas of the Vareš Project, which is based on the following principles and practices in accordance with national legislation, the requirements of international financial institutions (IFC implementing standards and EBRD requirements) and other applicable good international industrial practices (GIIP):

- prevention of waste generation or reduction of the amount and harmfulness of waste generated in order to reduce the risk to human health and the environment and to avoid environmental degradation and endangerment of human health,
- undertaking and implementing precautionary measures in order to prevent danger or damage to the environment from waste generated in all plants and areas of the Vareš Project,
- responsibility for the selection of the most acceptable environmental solution according to the characteristics of technologies and the use of the most adequate available technology, as well as quality maintenance of equipment and improvement of technical performance,
- ensuring the financial costs of prevention, treatment and disposal of waste according to the "polluter pays" principle,
- the treatment or disposal of waste should be carried out in the nearest adequate facility or location, taking into account environmental and economic profitability;
- Sustainable waste management according to hierarchical priorities to protect the environment, human health and biodiversity.

Starting from the principles of sustainable waste management according to hierarchical priorities, this Waste Management Plan defines the establishment and maintenance of an integrated waste management system that includes all plants and facilities, i.e. all areas/locations of the Vareš Project, as well as all types of waste generated and generated in all plants, plants and areas/locations of the Vareš Project. The establishment and maintenance of an integrated waste management system provides conditions for sustainable, rational and economical waste management, including more efficient reduction of waste quantities, more efficient waste management and minimization of harmful effects of waste on the environment, human health and biodiversity, which is the fundamental goal of this waste management plan.

Waste management should be carried out in such a way that all measures are taken and implemented that ensure the prevention of production and reduction of waste quantities, efficient treatment of the generated waste and reuse of usable waste materials from waste, as well as the disposal of hazardous waste and the disposal of unusable waste without endangering human health and without causing damage to the environment or causing a significant risk to nature, environment and human health. The Waste Management Plan is to identify measures and activities to reduce the environmental impact of waste and the disposal of hazardous waste, and to find the best tools for the reduction, recycling,

collection, storage, separation, treatment, transport and safe disposal of waste generated in the operational phase at all locations and areas of the Vareš Project.

The plan is in line with national legislation, the requirements of international financial institutions (e.g. IFC Implementing Standards, EBRD requirements) and other applicable Good International Industrial Practices (GIIP). This plan is a living document, and responsibilities, procedures, and compliance procedures will be updated as needed.

2. LEGAL FRAMEWORK FOR WASTE MANAGEMENT

Waste management in the plants and areas of the Vareš Project in the operational phase is defined by this Waste Management Plan in accordance with national legislation and best international practice, respecting the principles and policies of the EBRD and the International Finance Corporation (IFC).

2.1. Legislation

Legislation governing the field of waste management that is relevant for waste management activities generated in the processes of exploitation and processing of ore and in the areas of the Vareš Project:

- 1. Law on Environmental Protection (Official Gazette of the Federation of BiH, No. 15/21);
- 2. Law on Waste Management (Official Gazette of the Federation of BiH, No. 33/03, 72/09 and 92/17);
- 3. Rulebook on Waste Categories with Lists ("Official Gazette of FBiH", No. 9/05);
- 4. Rulebook on the Necessary Conditions for the Transfer of Obligations from Producers and Sellers to Waste Collection System Operators ("Official Gazette of FBiH", No. 9/05);
- 5. Rulebook that determines the treatment of hazardous waste that is not on the list of waste or whose content is unknown ("Official Gazette of FBiH", No. 9/05);
- Rulebook on the Content of the Waste Management Adjustment Plan for Existing Waste Treatment or Disposal Facilities and Activities Undertaken by the Competent Authority ("Official Gazette of FBiH", No. 9/05);
- 7. Rulebook on Packaging and Packaging Waste Management ("Official Gazette of FBiH", No. 27/23);
- 8. Rulebook on Management of Waste from Electrical and Electronic Products ("Official Gazette of FBiH", No. 23/23);
- 9. Rulebook on Waste Oil Management (Official Gazette of the Federation of BiH, No. 94/21);
- 10. Rulebook on Construction Waste ("Official Gazette of the Federation of BiH", No. 93/19);
- 11. Rulebook on Medical Waste Management (Official Gazette of the Federation of BiH, No. 77/08);
- 12.Decree on Selective Collection, Packaging and Labeling of Waste (Official Gazette of FBiH, No. 38/06);
- 13. Decree on Financial and Other Guarantees to Cover the Costs of Risk of Possible Damage, Cleaning and Post-Closure Procedures ("Official Gazette of the Federation of BiH", No. 39/06);
- 14.Law on Collection, Production and Trade of Secondary Raw Materials and Waste Materials (Official Gazette of the Federation of BiH, No. 35/98 and 109/12).

According to the provisions of Article 19. Pursuant to Article 10 of the Waste Management Act, the Waste Management Plan should include:

- Documentation of waste generated in the company's plants and areas (origin, types of waste in accordance with the waste list, composition and quantity);

- Measures to be taken to prevent the production of waste, especially when hazardous waste is involved:
- Separation of waste, especially hazardous waste, from other types and from waste to be reused;
- Disposal of waste in landfills;
- Methods of treatment and/or disposal.

Waste management shall be carried out in such a way as to take all necessary measures to ensure the handling, treatment and disposal of waste without endangering human health and without causing damage or risk to nature and the environment, and in particular:

- without risk to water, air, soil, animals and plants, habitats and biodiversity;
- without creating interference through noise or odor;
- without adverse effects on the environment, nature or places of special interest.

The waste management plan is based on the relevant principles common to all EU directives and national legislation relating to waste management activities, as follows:

- to ensure the conservation of nature and natural resources, by reducing the amount of waste (the principle of prevention),
- to ensure the reduction of the impact of waste on human health and the environment and the reduction of the amount of hazardous substances in waste (precautionary principle);
- ensure the costs and responsibility for the management of waste generated in plants and on the company's premises (polluter pays principle),
- provide adequate infrastructure for the collection, storage, treatment and disposal of waste.

The obligation of the investor/operator, among other things, is to report to the Federal Ministry of Environment and Tourism and the Environmental Protection Fund of the FBiH on the quantities of productive/generated waste within the deadlines according to the following regulations:

- 1. Decree on the Waste Management Information System ("Official Gazette of FBiH", No. 97/18);
- 2. Regulation regulating the obligation to report to waste operators and producers on the implementation of the program of supervision, monitoring and record-keeping according to the conditions of the permit ("Official Gazette of FBiH", No. 31/06).

The basic objectives of this waste management plan are to ensure the necessary conditions for waste prevention, separation of waste that can be used as raw material or fuel, reuse and recycling of useful components from waste, and safe disposal of unusable waste in such a way that all hazardous waste is delivered to the authorized operator for final disposal and that non-hazardous waste is dispatched and disposed of in a controlled landfill in accordance with this plan and legislation.

2.2. Measures from environmental permits related to waste management

Waste management measures from environmental permits related to the Vareš Project in the operational phase:

- Ensure the management of all types of waste generated in the areas of the Vareš Project in accordance with the Waste Management Plan, which defines the waste management system and measures;
- Reducing waste quantities and keeping records of waste quantities;

- Rational use of resources and careful handling of resources and equipment in order to reduce production and quantities of waste;
- To create conditions for internal and external recycling of materials from waste in order to exploit them;
- Separate collection and storage of all types of waste, especially separate collection and storage of hazardous and usable waste:
- All generated tailings must be disposed of in dedicated landfills, according to the technology defined by the projects and in accordance with the Mineral Waste Disposal Management Plan;
- All types of hazardous waste should be collected and stored in dedicated and equipped warehouses and shipped to authorized operators for disposal in accordance with contractual obligations, of which the prescribed records should be kept and data entered into the information system of the Environmental Protection Fund of the FBiH;
- Final disposal of special categories of waste (waste oils, accumulators and batteries, tires, electrical and electronic waste, etc.) and hazardous waste by delivery to authorized operators in accordance with the signed contract on the collection and disposal of special categories of waste and hazardous waste;
- All non-hazardous waste should be used at the site for backfilling and/or leveling the terrain or delivered to an authorized operator for disposal in accordance with the signed contract;
- All metal (uncontaminated) waste should be separately collected and classified as secondary raw materials to be disposed of through an authorized company;
- Waste must be stored in such a way as to prevent spillage, spillage, spread of dust, unpleasant odors, etc.;
- Frequent and controlled disposal of municipal and hazardous waste will be carried out in the manner prescribed by the Law on Waste Management and any temporary or permanent disposal of waste material on the surrounding land and outside designated places and warehouses is prohibited;
- Keep daily records of the types and quantities of waste produced and stored and of all emergencies;
- Management of waste storage facilities, including their regular maintenance in order to create conditions to avoid impacts on the environment and human health;
- Management of landfills and maintenance of all tailings landfills in accordance with their design and legal regulations in order to create technological and environmental conditions for the disposal of waste material (tailings) and avoid impacts on the environment and human health;
- Implementation of all provisions of the Waste Management Plan, which contains measures for proper waste management, both for solid and liquid waste, as well as for hazardous and non-hazardous waste;
- Periodic education on types of waste, separate collection and storage of different types of waste, proper temporary disposal until final disposal, i.e. handing over to authorized operators for exploitation and/or disposal.

Starting from the principles of sustainable waste management and the above hierarchical waste management priorities, this Waste Management Plan envisages the establishment and maintenance of an integrated waste management system that includes all plants and plants, locations and areas of the Vareš Project, as well as all types of waste generated and generated in plants and plants as well as

at locations where project activities are carried out within the Vareš Project. The establishment of such an integrated waste management system provides conditions for sustainable, rational and economical waste management, including more efficient reduction of waste quantities and more efficient waste management, which is the fundamental goal of this waste management system plan.

The Surface Mineral Waste Disposal Plan regulates in detail the disposal of mineral waste in dedicated landfills at the locations of the Rupice, VPP Tisovci and Crvene stijene mines during the operational phase of the Vareš Project, in order to ensure that the actual environmental impacts are in accordance with the assessment given in the Environmental and Social Impact Assessment (ESIA) document, and in accordance with national legislation and best applicable practices.

2.3. International Waste Management Requirements

The Waste Management Plan is aligned with international requirements and waste management policies defined by the implementation requirements of the EBRD and IFC:

- Implementation Request of the European Bank for Reconstruction and Development (EBRD)
 (PR) 1
- Implementation requirement of the European Bank for Reconstruction and Development (EBRD) (PR) 3
- Implementation requirement of the European Bank for Reconstruction and Development (EBRD) (PR) 4
- IFC PS1: Assessment and management of environmental and social risks and impacts.
- IFC PS3: Resource Efficiency and Pollution Prevention.
- IFC PS4: Community Health, Safety & Security,
- IFC General Guidelines for EHS: 1.5 Management of Hazardous Materials, 30. April 2007.
- IFC General Guidelines for EHS: 1.6 Environmental Waste Management, 30. April 2007.
- Principles of the Equator IV (July 2020).

3. ROLES AND RESPONSIBILITIES

The main roles and responsibilities for the implementation of this Waste Management Plan are listed in the following table:

Roles	Accountability
Executive Director for	• Provide adequate material and financial resources for the implementation of this plan.
Technical Affairs	• Ensure that the plan is disseminated to all relevant contractors and subcontractors, as well as to those responsible for its implementation.
Head of Sustainability	 Coordination of waste management activities between the environmental manager and the company's management, including coordination with subcontractors. Ensure the provision of technical support for the implementation of the
	Plan.Provide appropriate training and education of persons responsible for waste management.
Environmental	 Coordination of the activities of persons responsible for waste management and the Head of the Sustainability Department, including coordination with subcontractors regarding waste management. Ensure the provision of technical and operational support for the implementation of the Plan.
Manager	 Ensure daily supervision of the implementation of the Waste Management Plan in all areas of the project. Provide periodic training and education of persons responsible for waste
	management.
	 Supervision and monitoring of the fulfillment of the established conditions for waste management according to the Waste Management Plan, keeping records of types and quantities of waste and preparing reports for management, the Environmental Protection Fund of the Federation of BiH and the Federal Ministry of Environment and Tourism.
	• Conducting supervision of the implementation of goals and measures from the Waste Management Plan.
Responsible persons for waste management	 Updating the Waste Management Plan and proposing and taking measures to improve the prevention, reuse and recycling of waste as well as the disposal of unused waste.
	• It keeps records of waste production and enters waste data into the information system of the Environmental Protection Fund of FBiH on a monthly basis and prepares an annual waste report that the operator submits to the Environmental Protection Fund and the Federal Ministry of Environment and Tourism no later than March 31 of the current year for the previous reporting year.

	Participate in the necessary training.
All staff	• Ensure self-competence in terms of the implementation of this plan
	within its competence related to waste.

4. WASTE MANAGEMENT

4.1. Waste Management Approach

The Waste Management Plan is based on the following hierarchical waste management priorities in all plants and areas of the Vareš Project:

- · Avoid waste when possible.
- Reducing the amount of waste produced, hazardous substances in waste and the harmful effects of waste on the environment, human health and biodiversity
- Reuse (return) of waste when and where possible
- Recovery/recycling of waste materials where and where possible
- Off-site disposal of waste by a licensed waste and mineral waste company to tailings landfills in an environmentally acceptable manner

In order to reduce the impact of waste on the environment, human health, local community and biodiversity, and to increase resource efficiency, the following waste management practices will be applied:

- Prevention of waste production and generation
- Reducing the amount of all types of waste and hazardous substances in waste where possible
- Separation of different types of hazardous and non-hazardous waste
- Selective collection and storage of hazardous and non-hazardous waste
- Recycling waste, where possible, initially on-site and then off-site in a way that ensures the recovery and recovery of usable material from waste
- Reducing the use of hazardous materials where possible
- Employees who handle hazardous materials will be trained
- Spillage and leakage of hazardous materials will be prevented by documented procedures and careful handling
- Daily inspections of the storage of hazardous materials will be carried out and records will be kept
- The equipment will be checked regularly before use
- Waste will not be disposed of at workplaces except in designated containers/areas
- Preventing and reducing the harmful effects of waste on the environment, human health and biodiversity

- Disposal in landfills of those types of non-hazardous waste that are not subject to component return, reuse or energy production, and disposal of hazardous waste in an acceptable manner, by delivery to authorized operators in accordance with signed contracts
- Sustainable waste management according to hierarchical priorities for the protection of the environment and human health , etc.

4.2. Documentation on waste generated in plants, plants and areas of the Vareš Project (origin, types of waste in accordance with the waste list, composition and quantity)

In the processes and activities related to the exploitation and processing of mineral resources (polymetallic ore) and accompanying activities, specific types of waste are generated that are characteristic of certain mining processes and activities. According to the quantity, mineral waste (tailings) and other types of inert waste (soil, stones, etc.) dominate due to the specific characteristics of these activities. Other types of waste are related to the accompanying processes and activities, applied technology and raw materials. The types of hazardous waste are related to the chemical properties of polymetallic ore and the maintenance of technological equipment (waste hydraulic, compressor and engine oils, waste oil filters, chemical packaging, oilcloths), as well as the procurement of auxiliary materials, lubricants and chemicals.

The origin of certain types of waste is related to the underground exploitation of polymetallic ore and its processing in the flotation plant, maintenance of process equipment and mining machinery, handling and transport of ore and tailings, and storage of ore, tailings and other materials and chemicals, as well as logistical and supporting activities carried out in the areas of the Vareš Project.

The following table provides data on the identified categories, key numbers, origin, composition, quantities and method of disposal of waste generated in plants, plants, warehouses, logistics and auxiliary facilities as well as areas of the Vareš Project in accordance with the provisions of the Rulebook on Waste Categories with Lists.

Other types of waste may also occur in the areas of the Vareš Project, which, upon identification, should be included in the Waste Management Plan in order to ensure their management. Likewise, the occurrence of waste whose content is unknown or of unknown origin is not excluded. In the event that waste appears at the locations and areas of the Vareš Project, the content of which is unknown or which is not on the list of hazardous waste, and it is suspected that its quantity and composition could be harmful and/or dangerous to the environment or to the health of people and animals, it is imperative to act in accordance with the provisions of the Rulebook on the Treatment of Waste that is not on the List of Hazardous Waste or whose content is unknown ("Official Gazette of the Republic of Croatia"). FBiH", No. 9/05).

In the event of the occurrence of hazardous or unknown waste, which has not previously been generated at the locations and areas of the Vareš Project, the Cantonal Inspection for Environmental Protection of Zenica-Doboj Canton must be notified without delay in order to conduct inspection supervision and engage a licensed laboratory for the purpose of analyzing and defining the physical

and chemical properties of the waste and its categorization in accordance with the provisions of the Rulebook on Waste Categories with Lists. On the basis of the laboratory findings, the Cantonal Environmental Inspectorate issues a decision on the categorization of waste, by which it orders the owner/producer of waste to dispose of the waste at an authorized operator and the authorized operator to dispose of the waste in an environmentally acceptable manner in order to prevent its harmful effects on the environment, human health, habitats and biodiversity.

Table 1. Overview of waste by categories, origin, composition, quantity and method of disposal

Ca	iteg	ory	Waste category	Origin	Composition	Colic	Method of disposal/disposal
01			WASTE ARISING FROM		N AND MINING OF ORES, FROM THE EX	CAVATION AND CRUSH	NG OF STONES AND THE PHYSICAL AND
01	01		Mining Waste				
01	01	01	Waste from iron ore mining	Rupice Mine	Mineral waste (tailings)	Approximately. 300,000 m3/g	Disposal at the tailings landfill at the location of the Rupice mine and exploitation in the process of the plant for backfilling pit rooms
01	03		Waste from physical a	nd chemical proces	sing of ferrous ores		
01	03	04*	Acidic precipitate from sulphide ore processing	VPP Tisovci	Flotation tailings		Disposal at the tailings landfill at the Tisovci location and utilization for filling the abandoned parts of the Rupice pit after preparation
01	05	05*	Other deposits containing hazardous substances	VPP Tisovci	Flotation tailings	Approximately. 350,000 m3/g	Disposal at the tailings landfill at the Tisovci location and utilization for filling the abandoned parts of the Rupice pit after preparation
01	05		Mud sludge and other	drilling waste			
01	05	04	Flush sludge containing fresh water and waste		Clay and polymers. This waste is categorized as non-hazardous waste by laboratory analysis in a licensed laboratory.	The responsible person	The sludge is recirculated in the drilling system, and the remaining amount is used for landscaping on the site or is disposed of in a tailings landfill.
01	05	05*	Sewage sludge and other wastes containing oils	Location of the Rupice Mine	Water-based flushing sludge that may contain oil	It is not known, the responsible person will keep records of the quantities	This type of waste is handed over to an authorized waste management operator.
01	05	08	Leaching sludges containing chlorides and waste	Location of the Rupice Mine	Water-based payoff sludge	Not known	The sludge is recirculated in the drilling system, and the remaining amount is used

Ca	itego	ory	Waste category	Origin	Composition	Colic	Method of disposal/disposal		
							for landscaping on the site or is disposed of in a tailings landfill.		
01	05	99	Waste not otherwise specified	Location of the Rupice Mine	Earth, stones, bentonite residues, plant waste, metal waste, etc.		Inert waste is shipped to the tailings landfill, and other waste is shipped to warehouses at the location of the Rupice mine		
08			WASTE FROM THE PRODUCTION, FORMULATION, SALE AND APPLICATION OF COATINGS (PAINTS, VARNISHES, GLASSY ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS						
08	03		Waste from the produ	ction, formulation, sa	le and application of printing inks				
08	03	17*	Waste Printing Toner Containing Hazardous Substances	Management Board, VPP Tisovci and Rupice Mine	Standard toners for printers containing hazardous substances	Not known The responsible person shall keep records of the quantities	They are stored in hazardous waste warehouses and delivered to a licensed operator for disposal in accordance with the contract		
13			WASTE OILS AND WAS	TE FROM LIQUID FUE	LS (except edible oils and oils of Cha	pters 05, 12 and 19)			
13	01		Waste hydraulic oils						
13	01	11*	Synthetic hydraulic oils	Rupice Mine Ore Processing Plant (VPP) Tisovci	Waste hydraulic oils: HVL 46 Modriča, Super HVL 46, etc.	The responsible person	They are stored in hazardous waste warehouses and delivered to a licensed operator for disposal in accordance with the contract		
13	01	13*	Other hydraulic oils	Rupice Mine Ore Processing Plant (VPP) Tisovci	Other hydraulic oils: Ina Hidraol HD 46, Litma 2 EP Modriča and others.	The responsible person	They are stored in hazardous waste warehouses and delivered to a licensed operator for disposal in accordance with the contract		
13	02		Waste oils for engines, powertrains and lubrication						
13	02	06*	Synthetic oils for engines, powertrains and lubrication	Machining Workshop for Maintenance of Dimples	Waste mineral oils for engines: INA Super 5, Maxima E9 SAE 10W-40 Modriča, Maxima HC Prestige XLD SAE 10W-40 Modriča, INA Transmol	The responsible person	warehouses and delivered to a licensed		

Ca	teg	ory	Waste category	Origin	Composition	Colic	Method of disposal/disposal
				Mechanical Maintenance Workshop Tisovci	HD 75W-80 and INA Transmol HD SAE 75W-80		the contract at the location of the Rupice mine and at the location of VPP Tisovci
13	02	08*	Other engine, powertrain and lubrication oils	Machining Workshop for Maintenance of Dimples Mechanical Maintenance Workshop Tisovci	Standard waste oils for engines, powertrains and lubrication	Approximately. 100 l/g The responsible person shall keep records of the quantities	They are stored in hazardous waste warehouses and delivered to a licensed operator for disposal in accordance with the contract at the location of the Rupice mine and VPP Tisovci
13	05		Contents from the oil	/water separator			
13	05	02*	Sludge from oil/water separators	Oil/water separators at the Rupice location Oil/water separators at the VPP Tisovci location	_	Not known The responsible person shall keep records of the quantities	Taken over and disposed of by a licensed operator for servicing and cleaning oil/water separators according to a signed contract
13	05	06↑	separator	Oil/water separators a the Rupice location Oil/water separators a the VPP Tisovci location	Waste oil separated from contaminated rainwater in oil/water separators	1	Taken over and disposed of by a licensed operator for servicing and cleaning oil/water separators according to a signed contract
13	05		sand chambers and	Oil/water separators a the Rupice location Oil/water separators a the VPP Tisovci location	chambers and oil/water separators	Not known The responsible person shall keep records of the quantities	It is taken over and disposed of by a licensed operator for servicing and cleaning the oil/water separator according to the terms of the signed contract
13	08		Oily waste not otherw	vise specified			
13	08	99*	Waste not otherwise specified	Location of the Rupice Mine Location VPP Tisovci	Oily and greased rags, oily geotextiles and other waste contaminated with oils		Taken over and disposed of by a licensed operator for servicing and cleaning

Ca	tego	ory	Waste category	Origin	Composition	Colic	Method of disposal/disposal
						The responsible person shall keep records of the quantities	oil/waterseparators according to a signed contract
15			WASTE PACKAGING, A	ABSORBENTS, ABSOR	BENT MATERIALS, FILTER MATERIALS	S AND PROTECTIVE CLOT	HING NOT OTHERWISE SPECIFIED
15	01		Packaging (including s	separately collected n	nunicipal packaging waste)		
15	01	01	Paper and cardboard packaging	Warehouses at VPP Tisovci and Rudnik Rupice locations	Waste paper and cardboard packaging that is not contaminated	The responsible person shall keep records of the	It is taken over and disposed of by a licensed operator for the disposal of packaging waste according to a signed contract
15	01	02	Plastic packaging	The Hole Mine, VPP Tisovci, workshops, warehouses and administration	Broken containers and other plastic packaging that is not contaminated	The responsible person shall keep records of the	It is taken over and disposed of by a licensed operator for the disposal of packaging waste according to a signed contract
15	01	03	Wood packaging	Warehouses at VPP Tisovci and Rudnik Rupice locations	Old and damaged pallets, etc.	1	Taken over and taken care of by a licensed operator according to a signed contract
15	01	04	Metal packaging	Rupice Mine, VPP Tisovci, workshops, warehouses and administration	Broken containers and other plastic packaging that is not contaminated	l '	Taken over and taken care of by a licensed operator according to a signed contract
15	01	07	Glass packaging	Warehouses at the location of VPP Tisovci and Rudnik Rupice	Waste glass packaging that is not contaminated	1	It is taken over and disposed of by a licensed operator for the disposal of packaging waste according to a signed contract
15	01	10*	Packaging containing or contaminated with	Packaging of oils and lubricants and	Plastic packaging contaminated with residues of hazardous substances	Approximately. 600 kg/g	Taken over and disposed of by a licensed operator for the disposal of hazardous

Ca	tego	ory	Waste category	Origin	Composition	Colic	Method of disposal/disposal
			residues of hazardous substances	packaging of old chemicals		The responsible person shall keep records of the quantities	waste in accordance with the signed contract
15	02		Absorbents, filter mat	terials, absorbent mat	erials and protective clothing		
15	02	02*	materials, absorbent materials and protective clothing	and Rupice Mine; Mechanical Workshop and VPP		Approximately. 180 kg/g The responsible person shall keep records of the	Taken over and disposed of by a licensed operator for the disposal of hazardous waste in accordance with the signed contract
16			WASTE NOT SPECIFIE	D ELSEWHERE IN THE	CATALOGUE		'
16	05		Gases in pressure vess	sels and discarded che	emicals		
16	05	06*	Laboratory chemicals containing hazardous substances, including mixtures of laboratory chemicals	laboratory chemicals	Mixtures of residues of laboratory chemicals after chemical analyses, which are no longer usable	Not known The responsible person shall keep records of the quantities	to a licensed operator for disposal in
17			CONSTRUCTION AND	DEMOLITION WASTE	(INCLUDING EXCAVATED SOIL FROM	POLLUTED/CONTAMIN	ATED SITES)
17	01		Concrete, brick/brick,	tile/tile and ceramic			
17	01	07	Mixtures of concrete, bricks, tiles/tiles and ceramics not listed under 17 01 06	Locations of the Rupice Mine and VPP Tisovci	Mixtures of concrete, bricks, tiles/tiles and ceramics that are not contaminated with hazardous substances		They are delivered to a licensed operator for the disposal/disposal of construction waste in accordance with the signed contract
17	04		Metals (including thei	ir alloys)	'	1	
17	04	05	Iron and steel		Old parts of plants, devices and process equipment that are not	Not known	They are delivered to a licensed metal waste treatment operator in accordance with a signed contract

Ca	itego	ory	Waste category	Origin	Composition	Colic	Method of disposal/disposal
				Rupice and VPP Tisovci mines	contaminated with hazardous substances	The responsible person shall keep records of the quantities	
17	04	07	Mixed metals		Old parts of plants, devices and process equipment that are not contaminated with hazardous substances	Not known The responsible person shall keep records of the quantities	waste treatment operator in accordance
17	04	11	Cables that do not contain hazardous substances	Locations of the Rupice Mine and VPP Tisovci	Old cables that are not contaminated with hazardous substances replaced	Not known The responsible person shall keep records of the quantities	They are delivered to a licensed metal waste treatment operator in accordance with a signed contract
17	05		Soil (including excava	ted soil from contami	nated/contaminated locations), rock	s and excavated soil fro	m excavator operation
17	05	04	Earth and stones that do not contain hazardous substances	Locations of the Rupice Mine and VPP Tisovci	Excess soil and stones from excavations that are not contaminated with hazardous substances		They are delivered to a licensed operator for the disposal/disposal of construction waste in accordance with the signed contract
17	09		Other construction and demolition waste				
17	09	04	Mixed construction and demolition waste	Locations of the Rupice Mine and VPP Tisovci	Mixed construction waste from maintenance and extension of construction facilities and infrastructure	Not known The responsible person shall keep records of the quantities	They are delivered to a licensed operator for the disposal/disposal of construction waste in accordance with the signed contract
18			WASTE GENERATED F	OR THE PROTECTION	OF HUMAN AND ANIMAL HEALTH AN	ID/OR RELATED RESEAR	СН
18	01		Waste from the care, diagnosis, treatment or prevention of diseases in humans				
18	01	01	Sharp objects (except 18 01 03)	Outpatient clinic at the location of the Rupice Mine	Sharp unusable objects	Ace The responsible person shall keep records of the quantities	They are delivered to a licensed medical waste disposal operator

Category		ory	Waste category	Origin	Composition	Colic	Method of disposal/disposal			
18	01	03*	special requirements	Outpatient clinic at the location of the Rupice Mine	Other wastes whose collection and disposal/disposal is to be subjected to special requirements for the prevention of infection	The responsible person	They are delivered to a licensed medical waste disposal operator with supporting documentation			
19			WASTE FROM WASTE INDUSTRIAL USE	WASTE FROM WASTE MANAGEMENT PLANTS, URBAN WASTE WATER TREATMENT PLANTS AND WATER TREATMENT FOR DRINKING WATER AND INDUSTRIAL USE						
19	08		Waste from a waste w	ater treatment plant ı	not otherwise specified					
19	08	13*	Sludges containing hazardous substances from other industrial wastewater treatment	Wastewater treatment plants at the location of VPP Tisovci and Rupice Mine	Sludge from the Tisovci Flotation Wastewater Treatment Plant. Sludge from the wastewater treatment plant at the Rupice site.	Not known The responsible person shall keep records of the quantities	It is disposed of after dehydration in the tailings landfills at the Tisovci site and the location of the Rupice Mine			
19	08	99	Sludges from other industrial waste water treatments not listed under 19 08 13	Wastewater treatment plants at the location of VPP Tisovci and Rupice Mine	Other sludge from wastewater treatment plants at the location of VPP Tisovci and at the location of the Rupice mine, which are not contaminated with hazardous substances	Not known The responsible person shall keep records of the quantities	They are disposed of after dehydration in the tailings landfills at the Tisovci site and at the Rupice location			
20			MUNICIPAL WASTE (HOUSEHOLD AND SIMILAR WASTES FROM INDUSTRIAL AND CRAFT PLANTS AND INSTITUTIONS), INCLUDING SEPARATELY COLLECTED INGREDIENTS							
20	01		Separately collected ingredients (except 15 01)							
20	01	33*	Batteries and accumulators and unsorted batteries and accumulators	Administrative buildings and workshops	Sorted and unsorted old batteries and accumulators	The responsible person	Taken over and disposed of by a licensed operator for the disposal of hazardous waste in accordance with the signed contract			

Ca	atego	ory	Waste category	Origin	Composition	Colic	Method of disposal/disposal
			containing these batteries				
20	01	35*	Discarded electrical and electronic equipment containing hazardous components	The Hole Mine, VPP Tisovci and administrative building	Electrical and electronic waste containing hazardous components		Taken over and disposed of by a licensed operator for the disposal of electrical and electronic waste in accordance with the signed contract
20	01	36	Discarded electrical and electronic equipment that does not contain hazardous components	The Hole Mine, VPP Tisovci and administrative building	Electrical and electronic waste that does not contain hazardous components		Taken over and disposed of by a licensed operator for the disposal of electrical and electronic waste in accordance with the signed contract
20	03		Other municipal waste				
20	03	01	Mixed municipal waste	The Hole Mine, VPP Tisovci and administrative building	Mixed municipal waste without admixtures of hazardous substances	Approximately. 240 m3/g	Takes over PUC Vareš and disposes of municipal waste in accordance with the signed contract
20	03	04	Sludge from septic tanks	Septic tanks at the locations of the administration, VPP Tisovci and Rupice Mine	Sludge from septic tanks		The sludge is taken over and taken care of by PUC Vareš in accordance with the signed contract

4.3. Measures to be taken to prevent waste generation, especially when hazardous waste is involved

Starting from the adopted hierarchical priorities of waste management in all activities and areas of the Vareš Project, it is necessary to undertake and implement organizational, technical, financial and control measures to prevent and reduce the production of waste at all places of its generation, when possible, especially when it comes to hazardous waste. When it is impossible to prevent the generation of waste, then it is necessary to undertake and apply measures and activities to reduce the amount of waste generated by applying appropriate recycling or reuse procedures in the same or other processes at the locations of the Vareš Project (internal recycling) and/or the use of usable waste materials outside the locations of the Vareš Project (external recycling). Only in the event that the waste cannot be reused, it should be stored at the locations of the Vareš Project under the conditions that it does not affect the environment, human health and biodiversity until it is dispatched by a licensed operator for the disposal of hazardous and recyclable/usable waste and the disposal of non-hazardous and unusable waste (mixed municipal waste) in a controlled landfill. By applying hierarchical priorities of waste material management at the Vareš Project sites, the objectives and principles of hierarchical waste management priorities defined by legislation and requirements of international financial institutions (e.g. EBRD and IFC implementing standards and requirements) and other applicable good international industrial practices are achieved. This mitigates and minimizes the harmful effects of waste on the environment, human health and biodiversity, which is the fundamental goal of waste management.

Hazardous waste is considered to be any type of waste material that contains or is contaminated or contaminated with oils and greases or other hazardous substances, as well as used absorbent oils, lubricants and fuels, oily rags and materials, used geotextiles for absorbing oils and fats, and containers in which oils, greases and chemicals are transported and stored, sludge containing hazardous substances from wastewater treatment and other types of hazardous waste or waste whose origin and composition is unknown. All responsible persons and employees are obliged to undertake and implement measures and activities within their competence for the most successful prevention and reduction of the production of hazardous waste and other types of waste at all places of its generation and in all areas of the Vareš Project. Guidelines for the effective prevention of the production of hazardous and non-hazardous waste are required to provide responsible persons for waste management to all employees, including periodic education and daily supervision in accordance with this waste management plan.

Measures and activities to prevent and reduce the production/generation of waste, especially hazardous waste, are as follows:

- 1. rational use of resources;
- 2. Regular maintenance, optimization and control of the technical correctness of devices and equipment;
- 3. Careful management and use of devices and process equipment and performance of work activities:
- 4. It is obligatory to undertake all available organizational, technical, financial and supervisory measures to prevent and as successfully as possible reduce the generation of waste, especially hazardous waste, in order to reduce the amount of waste in all places where waste is generated;

- 5. Elimination of the causes of unusually higher waste production in the shortest realistic time;
- 6. Pouring and overfilling should always be carried out over an airtight trough/tank or flat container in which a layer of absorbent has been placed in order to prevent spillage and spillage;
- 7. In places where drips and/or leaks occur, eliminate the causes of drips and/or leaks as soon as possible and regularly carry out monitoring and maintenance;
- 8. Strict care must be taken to ensure that there are no accidental spills and spills of oil, fuel, chemicals, sludge and other substances;
- 9. Periodic review and analysis of the possibilities of preventing/reducing waste production and the application of good practices, including periodic education;
- 10. It is mandatory to carry out supervision and monitoring at all locations of waste generation and storage by appointed persons responsible for waste management in order to prevent and reduce waste generation as successfully as possible, especially hazardous waste and in order to determine compliance with the measures from the Waste Management Plan, who are obliged to keep records of waste quantities by type and observations related to waste prevention at all locations of the Vareš Project.

The operator will define the obligations for the prevention of waste (especially hazardous waste) and waste management obligations for each subcontractor in the contract for the execution of works, and will supervise the implementation of waste prevention measures through appointed persons for waste management who are obliged to keep records of the findings of waste generation and compliance with the defined measures.

4.4. Separation of waste, especially hazardous waste, from other types of waste and from waste that will be used specifically

Separation of waste, especially hazardous waste, from other types of waste and from waste that will be reused is an obligation under the legislation related to waste management in order to use usable waste materials and avoid/mitigate the impact on the environment, human health and biodiversity. Therefore, the operator and subcontractors (each under their own jurisdiction) are obliged to ensure the taking and implementation of measures and conditions for separate/selective collection and storage of waste by type, especially hazardous waste from other types of waste that will be reused in their own facilities or outside the plant for the purpose of reusing (returning) usable waste materials (by-products), safe disposal of hazardous waste and disposal of municipal and non-hazardous waste in a landfill in accordance with the obligations arising from the legislation on waste management.

Hazardous waste, such as waste hydraulic and engine oils, oily and greasy materials, packaging contaminated with hazardous substances, electrical and electronic waste, toners, etc., must be collected separately in suitable containers/containers that are stored in controlled conditions/warehouses until delivery to an authorized operator for disposal, of which a regular monthly record of the type and quantity of hazardous waste must be kept. Mineral waste, sediments and sludges containing hazardous substances are disposed of in landfills with an adequate geobarrier and leachate drainage, which are drained into treatment facilities and returned to the processes or discharged into the environment after treatment in accordance with the conditions for the protection of environmental quality and biodiversity conservation.

Separation of waste by type/category at the point of origin is a prerequisite for sustainable waste management, which enables the reuse of usable waste materials (return), adequate disposal of hazardous waste and disposal of non-hazardous waste that cannot be used. Sustainable waste management according to hierarchical priorities avoids undesirable consequences for the environment, human health and biodiversity, which is the fundamental goal of integrated waste management according to this plan. Separating waste by types or categories prevents the mixing of usable or hazardous with unusable and non-hazardous waste, which would further increase disposal costs in the later stages of treatment and probably have direct, negative consequences for the environment.

Measures and activities for the separate collection and storage of waste, especially hazardous waste, from other types of waste and from waste that will be used in processes at the locations of the Vareš Project (internal recycling) or delivered to licensed companies for reuse (external recycling) are as follows:

- 1. Provide adequate conditions (containers and premises) for separate collection and storage of all types of hazardous and usable waste until shipment to licensed companies for disposal;
- 2. All types of hazardous waste (e.g. hydraulic and engine oils, oily materials, packaging contaminated with hazardous substances, toners, laboratory chemicals, electrical and electronic waste, batteries and accumulators, medical waste, as well as other types of waste whose collection and disposal is necessary for the prevention of negative impacts on the environment, human health and biodiversity) must be collected separately in suitable containers and containers that are stored under controlled conditions in equipped containers. storage facilities until delivery to the licensed operator for disposal in accordance with the signed contract (Delta Petrol d.o.o Kakanj; Aida Commerce d.o.o Sarajevo);
- 3. Ensure the conditions and carry out separate collection and storage of waste oils by categories (I, II and III categories). If it is not known to which category waste oils belong, each type of oil (e.g. engine oils, hydraulic oils, etc.) must be stored separately, unless their mixing is permitted in writing by the operator of the treatment plant in which the oil is intended to be treated;
- Provide conditions and carry out separate collection and storage of electrical and electronic waste until delivery to a licensed company in accordance with the signed contract (Aida Commerce d.o.o Sarajevo);
- 5. Packaging waste is collected by type by separating paper and cardboard packaging from plastic, glass, wood and metal waste packaging and is kept in a warehouse until it is used for its own needs (metal, plastic and wood packaging) and/or until it is shipped to an authorized collector;
- 6. Medical waste will be stored separately and collected by a licensed company in accordance with the signed contract;
- 7. Waste explosives are stored separately in the original container in a dedicated warehouse in the vicinity of the Rupice mine and delivered to an authorized company for disposal;
- 8. Mineral waste, sediments and sludge containing hazardous substances are disposed of in internal landfills with an adequate geobarrier and leachate drainage, which are drained into devices for treatment and after treatment are returned to the processes or discharged into the environment in accordance with the prescribed conditions for the discharge of wastewater into the environment;

- 9. All recyclable and recoverable waste materials should be separately collected and stored in adequate locations until handed over to licensed companies for recovery;
- 10. Construction waste and waste from the demolition of buildings shall be separately collected and stored until its exploitation or delivery to an authorized operator for the disposal of this type of waste;
- 11. Mixed municipal waste is separately collected in dedicated containers and containers/containers and periodically transported to the municipal landfill by hiring PUC Vareš in accordance with the signed contract. Likewise, the sludge/contents from septic tanks and mobile toilets are emptied and disposed of by this local utility company according to the obligations from the signed contract;
- 12. Waste of unknown origin and unknown properties must be separately collected and stored in a hazardous waste storage facility until it is identified;
- 13. Waste that causes chemical reactions in contact with each other must be collected separately;
- 14. Daily supervision and monitoring of separate collection, storage and labeling of all types of hazardous and usable waste at all locations of the Vareš Project.

4.5. Disposal of waste at landfill

All mineral waste from ore mining is disposed of at the tailings landfill in the exploitation field of the Rupice Mine and to a lesser extent and will be used to fill the abandoned pit rooms after the end of exploitation. Mineral waste from the ore processing process is disposed of at the tailings landfill and will be used to fill the abandoned pit rooms of the Rupice mine after the end of exploitation. Sludge and sludge are disposed of in tailings landfills in accordance with the technological conditions of their disposal. These landfills of mineral waste (tailings) are equipped with adequate geobarriers and drainage of leachate that are drained into treatment facilities and after treatment are returned to the processes or discharged into the environment in accordance with the prescribed conditions for the discharge of wastewater into the environment.

The disposal of mineral waste in tailings landfills and the management of tailings landfills during the operational phase of the Vareš Project is regulated in detail by the Surface Mineral Waste Disposal Plan, in order to ensure that the actual environmental impacts are in line with the assessment given in the Environmental and Social Impact Assessment (ESIA), and in accordance with national legislation and best applicable practices.

All mixed municipal and similar unusable waste (which is not contaminated with oils, greases and other hazardous substances), including construction waste, is taken over by PUC Vareš and disposed of at the municipal waste landfill in accordance with the signed contract. Also, PUC Vareš cleans the contents from septic tanks and disposes of them in accordance with the signed contract.

The disposal of waste in landfills must be carried out in a manner that excludes the risk to the environment or its components. The transport of waste to landfills must be carried out in a way that excludes its waste and environmental pollution. In the event of environmental pollution caused during the transport of waste, the transporter is responsible for cleaning, remediation and restoration of the contaminated area (location).

Waste must not be disposed of in a location that is not in accordance with the provisions of the environmental permit or waste management permit and that is not in accordance with the provisions of the Waste Management Act.

The waste producer is responsible for the management of internal landfills at the locations of the Vareš Project, and the monitoring of landfills and the conditions of their use is carried out by appointed responsible persons for waste management.

4.6. Methods of treatment and/or disposal

The owner and producer of waste are obliged to provide measures for the treatment and disposal of waste in order to further use usable materials from waste, disposal of hazardous waste and safe disposal of waste in landfills in accordance with this plan, environmental permits and legislation on waste management. Treatment and disposal of waste must be carried out in a way that excludes risks to the environment, human health, habitats, biodiversity and protected areas.

Waste treatment involves physical, thermal, chemical or biological processes, which change the characteristics of waste in order to reduce the amount or hazardous properties of waste, and facilitate the handling or increase the recovery and utilization of components from waste. Waste treatment depends on the type, properties and amount of waste generated at the locations of the Vareš Project.

Measures and activities for the treatment and management of all types of waste generated at the locations of the Vareš Project are as follows:

- 1. Mandatory undertaking of all available measures to prevent the generation of waste and reduce the amount of waste generated (especially hazardous and usable waste) in order to reduce the amount of waste in all places where it is generated and to prevent or mitigate the risk to the environment, human health, habitats, biodiversity and protected areas;
- 2. Define in detail and maintain the most appropriate manner and conditions of separation, collection, storage and disposal of all types of waste for each location of the Vareš Project in order to sustainably manage waste in accordance with this plan and legislation;
- 3. Provide adequate conditions for the separate collection, storage and labelling of all types of hazardous and recoverable waste in a manner that protects human health, the environment, encourages the return of components and the reuse of waste;
- 4. Ensure and supervise the collection of hazardous waste in appropriate containers/containers bearing the inscription "hazardous waste" (e.g. waste oils, electrical waste, toners, oily and greasy waste materials, etc.), which are stored in a closed or controlled warehouse until delivery to licensed companies for treatment and disposal;
- 5. The storage of hazardous waste should comply with international standards and international customary practices, so as not to affect the environment. Containers, containers and containers for the storage of hazardous waste must be made airtight, safe and adequate and positioned in such a way that they are not accidentally damaged and must be regularly checked for damage or spillage;
- 6. All waste containers and containers must have clear information and a description of the type of waste in accordance with international symbols and will contain the necessary data for the safe handling and transfer of waste;
- 7. Any unidentified waste should be considered hazardous waste and must be separately collected and stored in a hazardous waste storage facility until it is identified;

- 8. Containers and containers for hazardous waste must be closed and the waste is stored in the best way to prevent chemical reactions due to decomposition or between materials;
- 9. In places where drips and/or leaks occur, install thin or flat containers with a layer of absorbent or other protection in order to prevent environmental pollution;
- 10. Absorbent material from flat containers, after use, shake into special containers on which there should be labels labeled hazardous waste and an indication of the type of waste;
- 11. Always have sufficient quantities of absorbent material available, and after spilling oil and grease, sprinkle the place with absorbent material, and collect the contaminated soil with absorbent material in special containers on which there should be labels labeled hazardous waste;
- 12. At the points of refilling liquid fuels, materials and chemicals, provide tanks for their reception in case of spillage of these substances in order to prevent/prevent environmental pollution;
- 13. At the points of handling liquids and liquid waste, an absorbent should be provided in order to collect bulk quantities of liquid waste materials;
- 14.In the event of an unforeseen occurrence and incident situation related to the leakage and scattering of liquid waste, it should be disposed of using an adequate absorbent, collected in appropriate packaging and immediately dispatched for disposal or to a hazardous waste warehouse until shipment to a licensed company for disposal;
- 15. Strict care must be taken to ensure that accidental spills and spills do not occur, including regular control and taking preventive measures;
- 16. Waste handling and management must be carried out in such a way that it does not cause negative consequences for the environment, human health, habitats, biodiversity and protected areas;
- 17. Recyclable and usable types of waste should be used in their own processes (return) and/or delivered to a licensed company for treatment for the purpose of utilization in accordance with the signed contract (external recycling), and the record of the acceptance of this waste stating the quantities by type of waste should be submitted to the Environmental Sector for the purpose of keeping records and supervision;
- 18. Waste oils are separately collected and stored by types and categories (I, II and III categories) in special containers or containers, which are designed to be airtight, safe, suitable and undamaged and on which the inscription of the type of waste oil with the key number and designation of the waste oil category should be displayed. Containers or containers for the collection of waste oils are stored in a controlled area, with 110% of the volume of all tanks and containers. Waste oils are handed over to licensed companies for further processing;
- 19. Delivery of waste oils to an authorised operator must be carried out separately by type and category in suitable packaging so that they are not wasted during loading, transport and unloading, with accompanying documentation stating information on the type, key number, quantity, origin, to whom and when they are handed over and other characteristic observations. One copy of the accompanying documentation (delivery note) must be kept by the owner/producer of waste for the purpose of keeping records of waste and reporting waste to the information system of the Environmental Protection Fund of FBiH every month, and performing inspections;
- 20. Collection of accidental leakage and spillage of waste oils into secondary (so-called emergency) pools carried out in each waste oil warehouse, which must be impermeable to prevent contamination of the land or surface or groundwater and which must be regularly maintained,

- cleaned and controlled for tightness. Secondary pools for the reception of bulk waste oils must not have any drainage or sewage drains. Dispose of the disposed of/collected content by delivery to a licensed hazardous waste disposal company;
- 21. All quantities of waste oils must be collected in dedicated airtight containers and dedicated hazardous waste warehouses, recorded in a record sheet and delivered to a licensed company in accordance with the signed contract;
- 22. The collection and storage of waste oils must be carried out in a manner and by procedures that will not pose a risk to water, soil, air, the environment, human health and biodiversity;
- 23. Taking measures for waste oil management in accordance with the provisions of the Rulebook on Waste Oil Management (Official Gazette of FBiH, No. 94/21), which is the responsibility of the appointed responsible person for waste management, whose task is to supervise, keep records, prepare reports and perform all other activities related to waste management;
- 24. Oily/greased materials, geotextiles, absorbents, filter materials and absorbent materials contaminated with hazardous substances should be collected in impermeable containers that are kept in warehouses (without the possibility of scattering and leakage, and access to animals and unauthorized people) and delivered to a licensed company for disposal in accordance with the signed contract, and the record of acceptance of this hazardous waste in which the quantities by type of waste are listed should be submitted to the Sector for the purpose of record-keeping and supervision;
- 25. Packaging containing residues of hazardous substances or contaminated with hazardous substances, residues of laboratory chemicals, batteries and accumulators, discarded electrical and electronic equipment and other types of hazardous waste are delivered to the licensed company for disposal in accordance with the signed contract, and the record of the acceptance of hazardous waste stating the quantities by type of waste should be submitted to the Environmental Sector for the purpose of keeping records and supervision;
- 26. Chemical waste is collected in airtight containers made of special material and stored in a warehouse until delivery to chemical suppliers, and the remaining waste from the chemical laboratory is taken over by a licensed hazardous waste disposal company in accordance with the signed contract;
- 27. Packaging waste shall be stored separately in suitable warehouses and delivered to an authorised collector;
- 28. Electrical and electronic waste shall be collected and stored separately in appropriate warehouses and handed over to an authorized collector with an accompanying sheet containing all the information from Annex 3 of the Rulebook on Waste Management of Electrical and Electronic Products ("Official Gazette of FBiH", No. 23/23).
 - The waste management plan does not include large industrial machinery/machinery, products that are an integral part of other types of equipment (e.g. machinery and vehicles), as well as products that are installed in facilities as an integral part of them and components/spare parts of electrical and electronic devices and equipment, and these types of waste should not be included in the records of waste electrical and electronic equipment.

Records of the quantities of waste from electrical and electronic devices and equipment shall be kept on the form from Annex 3. of the Rulebook on the Management of Waste from Electrical and Electronic Products;

- 29. Lead-acid batteries and accumulators must be collected in containers separately from other types of waste and stored in hazardous waste storage facilities that have an impermeable base without sewage drains, and handed them over separately to a licensed collection company or service technician when replacing batteries and accumulators, with accompanying documentation, in accordance with the provisions of the Rulebook on the Management of Waste Batteries and Accumulators ("Official Gazette of FBiH", No. 94/21);
- 30. Waste explosives are stored separately in the original container in a dedicated warehouse in the vicinity of the Rupice mine and delivered to an authorized company for disposal;
- 31. Construction waste and waste from the demolition of construction facilities shall be separately collected and stored until its utilization or delivery to PUC Vareš for disposal, with accompanying documentation (delivery note) on the types and quantities of construction waste for each handed over shipment;
- 32. Construction waste contaminated with hazardous substances must be separately collected, stored and disposed of in accordance with this waste management plan;
- 33. Records must be kept on the quantities and streams of construction waste by the person responsible for waste management. The legal entity that has taken over, i.e. that disposes of and disposes of construction waste, is obliged to submit reports on the mass/quantity of deposited and disposed of construction waste to the Environmental Protection Fund of the FBiH on the form published on the Fund's website.
- 34. Mud sludge and other drilling waste (soil, stones, etc.) that is not contaminated/contaminated with hazardous substances should be collected in a pool/trench at the location and left to dry, and after the completion of the investigation works and the closure of the work site, the terrain should be arranged/rehabilitated according to the appearance of the environment in order to bring it to its previous/natural state as successfully as possible and dispose of the unused excess of this waste in a tailings landfill;
- 35. Mineral waste, sediments and sludge are disposed of in internal landfills with an adequate geobarrier and leachate drainage into treatment facilities and after treatment they are returned to the processes or discharged into the environment in accordance with the prescribed conditions for the discharge of wastewater into the environment;
- 36. Ensure the management of tailings landfills in such a way as to prevent emissions into the environment in accordance with environmental standards in order to mitigate and minimize negative impacts on the environment, human health and biodiversity;
- 37. Mixed municipal waste is taken over by PUC Vareš, as a local authorized operator for municipal waste management, and disposed of at a municipal landfill in accordance with the signed contract;
- 38. The transport of waste must be carried out in such a way that the environment is not polluted and if environmental pollution occurs, the carrier is obliged to remedy the consequences;

- 39. Updating the waste management plan every five years, and if necessary more often in the event of a significant change in technology, raw materials and production in order to align the plan with the actual situation and legal requirements;
- 40. Keep daily records of waste quantities by type/category and characteristic observations;
- 41. Monthly enter data on waste quantities into the information system of the Environmental Protection Fund of FBiH;
- 42. Submit to the hazardous waste collector the accompanying sheet for hazardous waste with information on the type, quantity, origin and method of packaging of hazardous waste;
- 43. The owner, i.e. the producer of waste, is obliged to notify the competent inspectorate for environmental protection of the detected negative impacts on the environment immediately, and no later than 12 hours after the occurrence of the negative impact;
- 44.It is the duty of the owner and producer of waste to treat each type of waste in accordance with this Plan and regulations on waste management;
- 45. Prepare an annual report on the production/generation of waste by categories and quantities and submit it to the Federal Ministry of Environment and Tourism and the Environmental Protection Fund of the FBiH or the operator of the waste management system, on the form from Annex 3. Decree on the Waste Management Information System ("Official Gazette of FBiH", No. 97/18) for the purpose of entering the Registry data, no later than March 31 for the previous reporting year;
- 46. Responsible persons for waste management are obliged to implement this Waste Management Plan, to propose measures to improve the prevention, reuse and recycling of waste and to monitor the fulfillment of the established conditions for waste management;
- 47. Persons responsible for waste management are obliged to supervise and monitor on a daily basis the undertaking and implementation of measures to prevent the generation and reduction of waste quantities, separate collection of waste by type and conditions of waste storage at all locations of the Vareš Project in order to determine compliance with the measures and objectives from the Waste Management Plan, environmental permits and legal regulations and to keep records of waste quantities by type in accordance with this plan and legal regulations regulation;
- 48. Daily supervision, monitoring and keeping records of the quantities of all types of hazardous and usable waste, which are carried out by appointed responsible persons for waste management, who are obliged to enter data on waste quantities by category in order to report on waste quantities. The waste monitoring records include the name and quantity of waste material by waste category, the date of entry and exit, and certain characteristic remarks related to the type, quantity, origin and properties of waste.

5. MONITORING AND REPORTING

Internal inspections of waste management and waste monitoring are carried out by appointed persons responsible for waste management activities at all locations of the Vareš Project in order to ensure that the measures specified in this plan are implemented. Attached to this plan is a decision on the appointment of responsible persons for waste management and an example of the form of a checklist of waste management inspection by responsible persons.

The results of the monitoring are mandatorily reported to the responsible parties to ensure that the activities are in accordance with this waste management plan, applicable legislation, international standards and environmental permits.

The person responsible for waste management is obliged to keep records and enter data into the record sheet on the types and quantities of waste, on the basis of which to enter data into the information system of the Environmental Protection Fund of FBiH on monthly waste production by type and quantity. The name and quantity of waste, the date of entry and exit, and certain characteristic remarks related to the type, quantity and nature of waste shall be entered in the waste monitoring record sheet. Also, on the basis of data on waste generation, the person responsible for waste management is obliged to prepare an Annual Report on Waste Production/Generation by Types/Categories and Quantities on the form from Annex 3. Pursuant to Article 10 of the Decree on the Waste Management Information System for the purpose of entering the data of the Register of all reporting entities of this information system, which the operator is obliged to submit to the Federal Ministry of Environment and Tourism and the Environmental Protection Fund or the operator of the waste management system in whose system it is included (if it is included in the waste management system), no later than March 31 of the current year for the previous year. An example of the form of a record sheet is given in the attachment.

The Waste Management Plan will be revised and updated depending on the results of monitoring, technology and raw materials. According to the Waste Management Act, the waste management plan must be updated every five years, provided that there are no significant changes in the Vareš Project.

6. TRAINING

Numerous training programs will be provided every two years (and more often if necessary) for the responsible persons and all employees engaged in the Vareš Project, including all contractors and subcontractors. Tools, activities, obligations and possibilities of waste management will be discussed with all employees, contractors and subcontractors. The training material will be created and updated by the environmental team and waste management managers. Records will be kept of the conducted trainings of employees on waste management.

7. APPENDIXES

- 1. Decision on the appointment of responsible persons for waste management activities No. 1845/23 of 03.07.2023.
- 2. An example of a waste record sheet
- 3. Example of a Waste Management Inspection Checklist Form
- 4. Example of a waste conveyor sheet

Appendix 1: Decision on the appointment of persons responsible for waste management



Datum: 03.07.2023. Protokol: 1845/2023 Datum: 03 07 2023 Protokol: 1845/2023

Na osnovu odredaba člana 19. i 20. Zakona o Based on the provisions of Articles 19 and 20 of 33/03, 72/09 i 92/17), direktor privrednog društva Adriatic Metals BH d.o.o. donosi:

upravljanju otpadom (SI novine FBiH, broj the Law on Waste Management (Official Gazette of the FBiH, No. 33/03, 72/09 and 92/17), the director of Adriatic Metals BH d.o.o. brings:

ODLUKU

THE DECISION

o imenovanju odgovornih lica za upravljanje otpadom

on the appointment of persons responsible for waste management

Član 1.

Article 1.

odgovomo lice za poslove upravljanja otpadom nastalog geološkim istražnim radovima, vođenje evidencije o otpadu i krajnje zbrinjavanje istog na lokacijama na kojima će se vršiti eksploatacija i prerada rude olova, cinka i barita u Varešu.

Jusić Aida, inženjer geologije, zaposlen na Aida Jusić, geological engineer, employed as a radnom mjestu Geolog istraživač, imenuje se za research geologist, is appointed as the person responsible for the management of waste generated by geological exploration works, keeping records of waste and its final disposal at locations where the exploitation and processing of lead, zinc and ore will take place, barite in

Burić Elvis, građevinski inženjer raspoređen na Burić Elvis, a construction engineer assigned to radnom mjestu građevinskog inženjera imenuje se za odgovorno lice za poslove upravljanja građevinskim otpadom, vođenje evidencije i krajnje zbrinjavanje istog na lokacijama na kojima će se vršiti eksploatacija i prerada rude barite ore will be carried out in Vares olova, cinka i barita u Varešu.

the position of a construction engineer, is appointed as the responsible person for construction waste management, record keeping and final disposal of it at the locations where the exploitation and processing of lead, zinc and

socijalno upravljanje, imenuje se za odgovomo lice za poslove upravljanja ostalim vrstama otpada koje se generiraju na lokaciji

Prajo Goran, inženjer sistema za opremu, Prajo Goran, system engineer for equipment, zaposlen na radnom mjestu saradnik za okoliš i employed as an associate for environmental and social management, is appointed as the responsible person for the management of other types of waste generated at the location of the administrative building, record keeping and final administrativne zgrade, vođenje evidencije i disposal. The appointee is also responsible for

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krajnje zbrinjavanje istog. Imenovani je odgovoran i da prikuplja podatke od ostalih odgovornih lica iz člana 1. ove Odluke za upravljanje otpadom, te da redovno izvještava Fond za zaštitu okoliša o količinama otpada shodno zakonskim propisima.

collecting data from other responsible persons from Article 1 of this Decision for waste management, and for regularly reporting to the Environmental Protection Fund on the amount of waste in accordance with legal regulations.

Član 2.

Odgovoma lica iz člana 1. Odluke dužna su da:

In response, the persons referred to in Article 1 of the Decision are obliged to:

- -Obavljaju poslove upravljanja otpadom
- -Provode mjere edukacije, radnika iz oblasti upravljanja otpadom o pravilnom razdvajanju otpada s ciljem izvajanja i povrata korisnih komponenti i to minimalno jednom godišnje

Article 2.

- -They carry out measures to educate workers in the field of waste management on the proper separation of waste with the aim of implementing and recovering useful components at least once a
- -Ažuriraju i provode Plan upravljanja otpadom
- -They update and implement the Waste Management Plan

-They perform waste management tasks

- -Predlažu mjere za poboljšanje prevencije otpada
- -Nadziru i kontrolišu implementaciju naloženih mjera zaštite okoliša, ispunjenje utvrđenih uvjeta za upravljanje otpadom i o tome izvještavaju direktora Društva.
- -They propose measures to improve waste prevention
- They supervise and control the implementation of the ordered environmental protection measures, the fulfillment of the established conditions for waste management and report on this to the Company's director.

Član 3

Ova Odluka stupa na snagu danom donošenja. Stupanjem na snagu ove Odluke, prestaju da važe sve ostale ranije donešenje Odluke o upravljanju otpadom.

Pouka o pravnom lijeku: Radnik ima pravo na podnošenje zahtjeva za zaštitu prava radnika u roku određenom Zakonom o radu FBiH (Sl.novine FBiH 26/16).

Article 3.

This Decision shall enter into force on the day of its adoption. With the entry into force of this Decision, all other previous Decisions on waste management cease to be valid.

Instruction on legal remedy: The worker has the right to submit a request for the protection of workers' rights within the time limit set by the FBiH Labor Law (Official Gazette of FBiH 26/16).

2

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DOSTAVLJENO:

- Imenovani-3x
- Finansije 1x
- a/a 1x

DELIVERED: Appointed-3x Finances – 1x a/a 1x

Appendix 2: Example of a form form

Evideniciju vodio

Potpis

Datum

	ppendix 2. Exam	pic of a form	1101111				
Lokacija Period Datum Naziv otpada Šifra otpada Količina otpada a transport i tretman otpada otpada Naziv otpada Sifra otpada	Adriat Bosnia & Herzeg	i c Metals	Adriatic Metals BH o				
Datum Naziv otpada Šifra otpada Količina otpada I reteman	E	VIDE	NCIJSKI	LIST O	TPA) A	
Deturn Naziv Otpada Silra Otpada at transport I tretman otpada at	Lokacija			Period			
NAPOMENA:	Datum	Na	aziv otpada	Šifra otpada		Naziv ovlaštenog operatora za transport i tretman otpad	
NAPOMENA:							
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Evidenciia o kolicinama otdada se vodi od lokacijama na kolima	NAPOMENA:			Evidencija o količin	ama otpada se vo	di po lokacijama na kojima	

Adriatic Metals izvodi radove. Evidencija se vodi u Odjelu za održivost. Evidencija je izrađena prema zakonskim okvirima o

upravljanju otpadom. Verzija evidencijskog lista v2.0 od aprila 2023. godine.

Appendix 3: Example of a Waste Management Inspection Checklist Form

WASTE MANAGEMENT INSPECTION CHECKLISTS

Review date:	
Location of the examination:	

	Compliance	
Control measure	(Yes/No)	Comment
Are all waste streams properly separated and labelled		
into the following categories?		
- Hazardous waste		
- Non-hazardous waste		
- Subcategories by working area - paper and cardboard,		
glass, cans, plastic bottles, food waste, scrap metal, oil rags, hoses and filters, wood, light bulbs, etc.		
Is the waste-free area maintained?		
Are containers everflewing?		
Are containers overflowing?		
Are there any visible liquids around the container?		
Is the waste inventory on site up-to-date and up-to-date?		
Are hazardous and non-hazardous waste stored in		
different locations?		
ameren en e		
Has a map been created that shows the correct waste		
storage locations that are visible to all workers		
Are all waste storage containers properly labeled to		
prevent cross-contamination of waste materials?		
Are all waste labels complete with the appropriate		
information including:		
- Waste stream (hazardous, non-hazardous, etc.)		
- Type of waste (solid, liquid or sludge)		
- Amount of waste		
- Known environmental, health and safety hazards (e.g.		
MSDS)		
- Personal Protective Equipment (PPE) is required.		
Are the licenses of the companies contracted for the		
transport and disposal of waste valid and up-to-date?		
Are copies of state waste transport forms kept as part of		
the monthly waste record forms?		
·		
	l	

Appendix 4: Example of a waste conveyor sheet

TRANSPORTNA DOKUMENTACIJA ZA OTPAD

Transportna dokumentacija br. _____

and the state of the same of t
A. Podaci o pošiljci
Dole navedeni otpad se ukljanja sa (ime, adresa, općina)
2. Otpad će se transportovati do (adresa)
Pojedinačna pošiljka
8 Telefon 7 Brainwafe i atrada is (aka is contilit ad gara payadanas)
7. Proizvođač otpada je (ako je različit od gore navedenog) 8. Opis otpada
1. Otpad je
Opis Šestocifreni kod Količina Br. jedinica
7. Opasnosti su
C. Potvrda Prijevoznika
Potvrđujem da sam danas podigao pošiljku i da su podaci pod A1, A2 i B5 tačni.
Ime U ime kompanije (ime i adresa)
Potpis Datum u sati.
Registracija prijevoznika br [odgovarajuća identifikacija]
Br. registarskih tablica (ili transportni kod ako nije cestovni prijevoz)
D. Potvrda Pošiljaoca
Potvrđujem da su podaci pod B i C tačni, da je prijevoznik registrovan i da je upoznat s odgovarajućim mjerama predostrožnosti.
Ime U ime kompanije
Potpis Datum
E. Potvrda Primaoca
Primio sam otpad u sati. 2. Br. registracijskih tablica vozila
Ime U ime kompanije
Ime U ime kompanije