

REPORT

ON THE CLASSIFICATION PERFORMED IN ACCORDANCE WITH ART. 103, PAR. 1 OF THE ENVIRONMENTAL PROTECTION ACT (EPA) AND ART. 6, PAR. 1 OF THE REGULATION ON THE PREVENTION OF MAJOR ACCIDENTS INVOLVING HAZARDOUS SUBSTANCES AND THE LIMITATION OF THEIR CONSEQUENCES

(prepared in accordance with the template in Annex No. 1 to the above-mentioned regulation)

1. General information about the operator and the enterprise/facility:

1.1. name and/or trade name of the operator, unique identification code (UIC) of the operator;

Tintyava Exploration AD, EIK 204432874

1.2. full address of the operator's registered office;

6570, Ivaylovgrad, ul. "Shesti Septemvri" No. 1

1.3. correspondence address (if different from that under item 1.2);

1.4. Mobile: + 359 888975088 E-mail:

E-mail: dmarinov@velocityminerals.com

1.5. name of the enterprise/facility and, where applicable, of the holding company/parent company;

Tintyava Exploration AD

1.6. full address of the enterprise/facility (name and postal code of the town, name and number of the street, district, municipality, link to the enterprise's website); 6570, Ivaylovgrad, 1 Shesti Septemvri Street location of the enterprise/facility site, number(s) of the land plot(s)

1.7. location of the site of the enterprise/facility, number(s) of the land property/properties representing the site of the enterprise/facility, and geographical coordinates of the conditional geometric centre of the enterprise/facility (latitude and longitude in degrees, minutes and seconds);

The Tintyava area (Rozino deposit) is located 1.2 km south of the village of Rozino, Ivaylovgrad municipality, Haskovo region. The register of properties affected by the future activity will be prepared and presented at the next stages of the investment initiative's development, as it is not currently available.

REGISTER

of characteristic points on the contour of the future concession area of the Rozino deposit, BGS 2005 coordinate system

Table: Coordinate register of the boundary points of the project concession contour for investment (BGS 2005 system)		
No	East (m)	North (m)
1	408795	4589229
2	409239	4589184
3	409510	4588798
4	409894	4588109
5	410156	4588107
6	410316	4587852
7	410175	4587565
8	409332	4587580
9	408913	4587690
10	407982	4587362
11	407609	4587916
12	407997	4588738

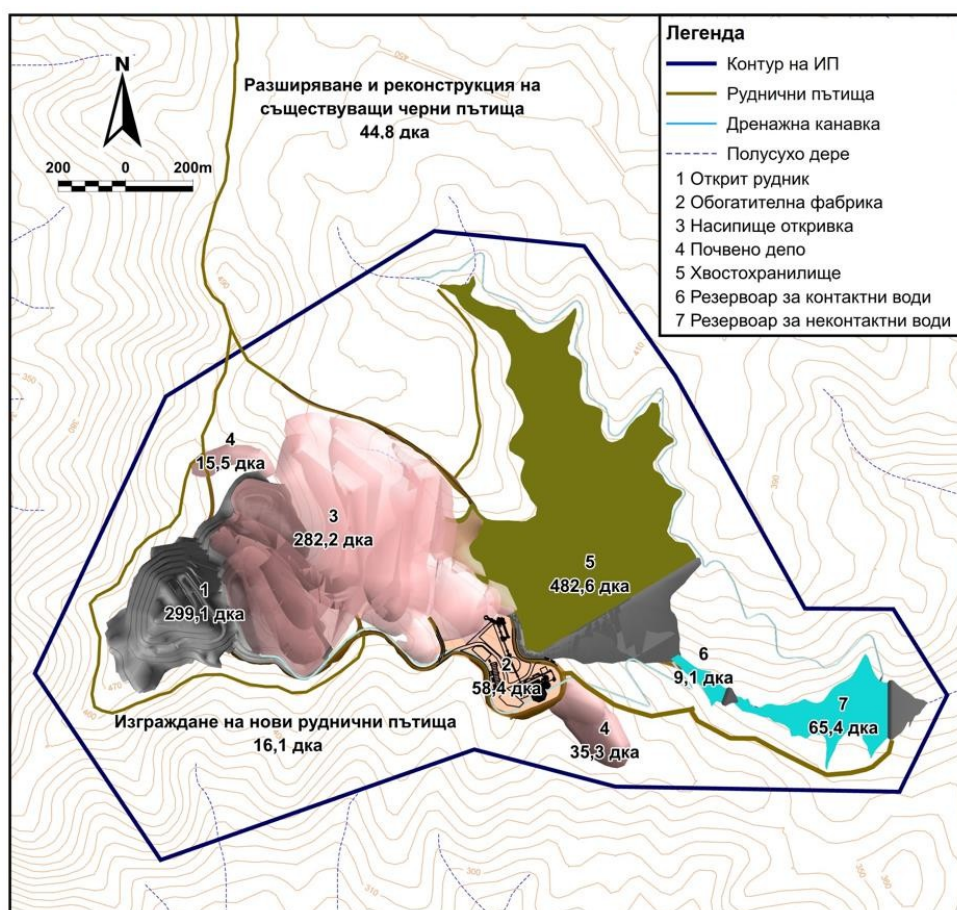


Fig. 1. Outline of the future concession area and the elements of the investment proposal

1.8. name and full address of the owner(s) of the land on which the facilities are built or will be built;

The total planned concession area is **3044.7 decares**, with mixed ownership – state, municipal and private.

The company does not have title deeds to the land or a concession agreement, given the requirements and procedure for granting a concession set out in the Underground Resources Act, namely that a concession for extraction is granted after a commercial discovery has been made, for which a decision under Chapter Six, Section Three of the Environmental Protection Act approving the investment proposal must have entered into force. Due to these legal requirements, it is not possible to provide evidence that meets the criteria set out in point 43. To § 1 of the Additional Provisions of the Underground Resources Act. The only available document is a letter from the ME ref. No. E-26-T-364/15.05.2020, attached to the IP Notification (Annex No. 2), which states that a positive EIA decision that has entered into force is required.

1.9. name and full address of the owner(s) of the buildings on the land property where the activity/activities are carried out or will be carried out;

1.10. data about contact of person responsible for the operation of the enterprise/facility:

1.10.1. name;

Daniel Marinov position;

1.10.2. Position;

Executive Director

1.10.3. telephone, fax, e-mail;

tel. 0888975088, dmarinov@velocityminerals.com

1.11. contact details and position of the person responsible for preparing the classification of the enterprise;

Daniel Marinov, Executive Director

Mobile: + 359 888975088

E-mail dmarinov@velocityminerals.com

2. Brief description of the or the planned activities in the enterprise/facility.

The activity involves the extraction and processing of polymetallic ores from the Rosino deposit, Tintyava exploration area. The main activities included in the proposal are:

- open-pit mining of polymetallic ores;
- processing of the ore by flotation to obtain concentrate;
- construction and operation of the necessary accompanying infrastructure – roads, water supply, electricity supply, material storage facilities, mining waste facilities, etc.

The generated mining waste will be deposited in two mining waste storage facilities – a dump for sterile rock mass (from ore extraction) and a tailings storage facility (for flotation waste), with the expectation at this stage that the waste will be classified as non-hazardous.

3. Type of industry according to the classification of activities in the eSPIRS database and/or NACE code (activity code according to the Classification of Economic Activities (NACE 2008) of the National Statistical Institute):

3.1. The type of industry is indicated in accordance with the codes in eSPIRS, as follows:

- (1) Agriculture;**
- (2) Recreational and sporting activities (e.g. ice rinks);**
- (3) Mining activities (tailings and physicochemical processes);**
- (4) Metal processing;**
- (5) Ferrous metal processing (foundries, smelting furnaces, etc.);**
- (6) Non-ferrous metal processing (foundries, smelting furnaces, etc.);**
- (7) Metal processing through electrolytic or chemical processes;**
- (8) Petrochemical/oil refineries;**
- (9) Electricity generation, supply and distribution;**
- (10) Fuel storage (including for heating, retail sale, etc.);**
- (11) Production, destruction and storage of explosives;**
- (12) Production and storage of fireworks;**
- (13) Production, bottling and distribution in bulk of liquefied petroleum gases (LPG);**
- (14) Storage of LPG;**
- (15) Storage and distribution of liquefied natural gas (LNG);**
- (16) Storage and wholesale and retail distribution, except for LPG;**
- (17) Production and storage of pesticides, biocides, fungicides;**
- (18) Manufacture and storage of fertilisers;**
- (19) Manufacture of pharmaceutical products;**
- (20) Storage, treatment and disposal of waste;**
- (21) Water supply and sewerage (collection, water supply, treatment);**
- (22) Chemical installations;**
- (23) Manufacture of basic organic chemicals;**
- (24) Manufacture of plastics and rubber;**
- (25) Manufacture and processing of pulp and paper;**
- (26) Wood processing and furniture;**
- (27) Manufacture and processing of textiles;**
- (28) Manufacture of food products and beverages;**
- (29) General engineering, manufacturing and assembly;**
- (30) Shipbuilding, ship dismantling, ship repair;**
- (31) Buildings and construction facilities;**
- (32) Ceramic products (bricks, ceramics, glass, cement, etc.);**
- (33) Glass industry;**
- (34) Cement, lime and plaster production;**
- (35) Electronics and electrical engineering;**
- (36) Freight handling and transport centres (ports, airports, truck and freight parks, distribution stations, etc.);**
- (37) Medical care, research, education (including hospitals, universities, etc.);**

(38) Manufacture of general-purpose chemicals (not elsewhere listed);

(39) Other activities (not listed).

3.2. NACE code:

Where the enterprise/facility is associated with more than one NACE code, a distinction is made between the main activity and secondary activities.

4. Planned date for the start of construction work on the enterprise/facility.

The date will be known after the extraction concession has been granted in accordance with the Underground Resources Act.

5. Planned date of commissioning of the enterprise/facility.

The date will be known after obtaining a mining concession under the Underground Resources Act.

6. Information on the site's connections to the infrastructure of the region and/or municipality.

The implementation of the investment proposal requires the construction of internal roads and access roads to the sites. The road connection to the Rozino mine will be provided by the existing dirt road through the villages of Rozino and Konnitsa, which connects to asphalt road II 59, linking the towns of Ivaylovgrad and Krumovgrad.

7. Information on the type and use of neighbouring areas.

The neighbouring lands are undisturbed, with natural landscape and vegetation. Some of them are used for agricultural purposes and as pastures.

8. Description of the technological processes and facilities in which hazardous substances from Annex 3 to the Environmental Protection Act will be present.

The hazardous chemical substances and mixtures (HCSM) listed below will be used and stored on the territory of the mining site as part of the ore enrichment process.

Diesel fuel will be used for the loading and transport equipment and auxiliary self-propelled equipment used in ore extraction. The diesel fuel will be stored in a 50 m³ tank. Diesel fuel has an average density of 0.85, so *the diesel fuel on site will be 42.5 tonnes.*

It is planned that explosives will be supplied by a specialised company and will not be stored on site.

At this stage, it is not possible to describe in detail the technological processes, equipment and pipelines in which the following hazardous substances will be present: foaming agent – methylisobutyl carbinol, collector A 404 (mixture), sodium hydrogen sulphide and copper sulphate, as there are no working designs that would dimension the specific equipment in a way that would allow these quantities to be calculated. This will only be possible after the entry into force of a decision on the environmental impact assessment (EIA) for the approval of the investment proposal and the granting of a mining concession. These documents, in turn, will allow Tintyava Exploration AD to

proceed with the working design of the facilities, within the meaning of the Spatial Development Act, which will allow their dimensioning. Upon reaching this stage, the current classification will also be updated.

Pursuant to Article 4, paragraph 4 of *the Ordinance on the Conditions and Procedure for Performing an EIA*, in the case of an investment proposal for the construction of a new or modified or expanded existing or other enterprise/facility with low or high risk potential, which falls within the scope of Annex 1 or Annex 2 to the Environmental Protection Act, an up-to-date notification under Article 103, paragraph 2 or 5 of the Environmental Protection Act for the classification of the enterprise/facility in accordance with *the Ordinance on the Prevention of Major Accidents Involving Dangerous Substances and the Limitation of their Consequences* shall be attached to the notification under paragraph 1.

Pursuant to Article 4, paragraph 5 of *the Ordinance on the conditions and procedure for conducting an EIA*, an exception under paragraph 4 shall be allowed in the case of an investment proposal for the construction of a new enterprise/facility for which, at this stage, complete information is not available on the classification of the dangerous substances expected to be present on the site of the enterprise/facility.

In this particular case, pursuant to Article 6(1) of *the Ordinance on the Prevention of Major Accidents Involving Dangerous Substances and the Limitation of their Consequences*, the operator of an establishment/facility where dangerous substances listed in Annex 3 to the Environmental Protection Act are present, but which is not classified as an establishment with low or high risk potential on the basis of a classification carried out in accordance with the criteria of that Annex, shall keep a report of the classification carried out in accordance with Article 103(1) of the Environmental Protection Act and shall provide it upon request by the authorities under Article 148(3) of the Environmental Protection Act. This classification has been prepared for this very purpose.

The extraction and processing of polymetallic ores will generate the following **mining waste**:

- code 01 01 01 - waste from the exposure and extraction of metal minerals, which will be deposited in a sterile rock mass dump;
- code 01 03 06 - residues from enrichment, other than those mentioned in 01 03 04 and 01 03 05, which will be transported to a tailings storage facility.

The study conducted on the generation of acidic water from the rocks in the deposit shows that the rocks from the open pit **do not generate** such water and no metal leaching is expected. Both the ore and the sterile rock mass have a low sulphide (pyrite) content and a relatively high neutralisation potential, resulting in neutralisation potential coefficients above 2. The results of the metal leaching tests show that the infiltrate from the ore, the sterile rocks and the flotation waste would not have hazardous properties.

The investment proposal **generates hazardous waste** related to mining, processing and transport equipment. The waste generated will be collected separately and promptly transferred for subsequent treatment, in accordance with a contract with companies holding registration or permit documents issued under the Waste Management Act. No hazardous waste will be stored on the territory of the investment proposal.

9. Brief description of:

9.1. the environment surrounding the enterprise/facility, including populated areas and/or protected areas in the vicinity of the enterprise/facility;

The environment is natural, not anthropogenically influenced, with no established pollution. There are settlements nearby. The nearest settlement is the village of Rozino, 1.2 km away.

There are no protected areas nearby, but the entire site falls within two Natura 2000 protected areas.

9.2. natural or man-made factors that could lead to a major accident or aggravate its consequences (e.g. earthquake zones, risk of flooding, icing, etc. and/or proximity to busy transport infrastructure – roads, railways, pipelines, airports, etc.);

There are no natural or anthropogenic factors around the Rozino deposit that could lead to a major accident or aggravate its consequences.

According to the current seismic zoning of the Republic of Bulgaria, the deposit area falls within a territory with a probability of an earthquake with an impact level of I-VII on the MSK scale. The seismicity coefficient for the area is $K_s = 0.10$.

The terrain is not located in an area with a significant risk of flooding.

It is not located near transport infrastructure, pipelines, airports, etc.

9.3. neighbouring establishments and sites, areas and constructions that do not fall within the scope of Chapter Seven, Section I of the Environmental Protection Act, but may be a source of or increase the risk or consequences of a major accident at the establishment/facility and the domino effect.

There are no such establishments in the area.

10. Description of dangerous substances that are or are planned to be present in the establishment/facility:

According to note 3, under part 2 of Annex No. 3 to the ZOOS, certain dangerous substances in a given establishment/facility may not be taken into account in calculating the total quantity available only if they are in **quantities equal to or less than 2%** of the relevant minimum quantity threshold, and if their location in the establishment is such that they could not cause a major accident elsewhere in the same establishment.

This legal rule has been applied in calculating the total quantity of dangerous substances in point 11 below, taking into account the distance between the flotation plant site and the potential location of the diesel fuel tank (more than 500 metres as the crow flies).

According to Note 6 under Part 2 of Annex No. 3 to the Environmental Protection Act 6. "In the case of dangerous substances with properties that lead to more than one classification for the purposes of Chapter Seven, Section I and the ordinance under Article 103, paragraph 9, the relevant lowest threshold quantities shall apply. For the application of the rule in Note 4, the lowest threshold quantity for each group of categories in Note 4, letters "a", "b" and "c", which correspond to the relevant classification, shall be used."

It is precisely this legal rule that has been applied in the calculations in point 11 below.

Chemical name ¹	CAS No	EC No	Hazard category(ies) according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) (OJ L 353/1 of 31 December 2008)	Classification according to Annex No. 3 to Article 103(1) of the Environmental Protection Act ²	Type of technological facility/facilities	Design capacity of technological equipment (in tonnes) ³	Available quantity (in tonnes) ⁴	Physical properties ⁵
1	2	3	4	5	6	7	8	9
Diesel fuel	6833 4-30 5	269 882-7	Flammable liquid, category 3 H226: Flammable liquid and vapour Toxic if inhaled, category 1, H304: May be fatal if swallowed and enters airways Skin irritant, category 2 H315: Causes skin irritation Acute toxicity, category 4 H332: Harmful if inhaled Carcinogenic, category 2 H351: Suspected of causing cancer STOT RE 2 H373: May cause damage to organs through prolonged or repeated exposure Chronic aquatic hazard, category 2 H411: Toxic to aquatic life with long-lasting effects, Category 2	Specified by name, Part 2, item 34, (c) gas oils (including diesel fuels, home heating fuels and gas oil blends); Part 1, Section P, P5c Flammable liquids, Category 2 or 3, not covered by P5a and P5b (due to code H226) Part 1, Section E, E2 Hazardous to the aquatic environment in the Chronic Hazard Category, Category 2 (due to code H411)	Steel tanks with a total capacity of 42.5 tonnes - 50,000 litres - 55m ³ . Density 0.85. The dimensions of the tanks will be in accordance with the Project for the construction of a petrol station under the Spatial Development Act.	42.5	42.5	Liquid, stored under normal conditions
Foaming agent - Methyl isobutyl carbinol	108 11	203 551	Flammable liquid, Category 3, H226 Specific target organ toxicity - single exposure, Category 3, H335	Part 1, Section P, P5c Flammable liquids Flammable liquids, Category 2 or 3, not covered by P5a and P5b (due to code H226)	Storage room and storage tank for the solution with a total capacity of 480 kg – 500 litres – 0.6 m ³ , and a tank for supplying	6.6	6.6	Liquid

					the solution with a total capacity of 60 kg – 64 litres – 0.06 m ³ with a solution dosing system.			
Potassium amyl xanthoate	2720 73	220 329-5	Flam. Solid 1 H228 Acute Tox. 4 H302 Acute Tox. 4 H312 Skin Irrit. 2 H315 Eye Irrit. 2 H319 STOT Single Exp. 3 H335	Not applicable	Storage room and tank for storing the solution with a total capacity of 1440 kg –9600– 10 m ³ , and tank for supplying the solution with a total capacity of 480 kg –3200 litres – 3.5 m ³ with a system for solution dosing system.	18.7	18.7	Dust
Collector A404 (mixture)	-	-	Corrosive to metals, Category 1 H290 Skin corrosion/irritation, Category 1 H314 Serious eye damage/eye irritation, Category 1 H318 Skin sensitisation, Category 1 H317 Short-term (acute) aquatic hazard, Category 2 H401 Long-term (chronic) aquatic hazard, Category 2 H411	Part 1, Section E, E2 Hazardous to the aquatic environment in Category Chronic hazard, Category 2 (due to code H411)	Storage room and tank for solution preparation with a total capacity of 360 kg – 2400 litres – 2.5 m ³ , and tank for supplying the solution with a total capacity of 60 kg –400 litres – 0.4 m ³ with a system for solution dosing system.	3.6	3.6	Fluid
Flocculant (mixture)	-	-	Serious eye damage/eye irritation; Category 1 H318	Not applicable	Tomal PolyRex - automatic machine for	2.2	2.2	Flakes and pellets

					preparation of polymer solutions.			
Sodium hydrogen sulphide	240-778-0	1672 1-80 5	Met. Corr. 1 H290 Acute Tox. 3 H301 Skin Corr. 1B H314 Eye Dam. 1 H318 Aquatic Acute 1 H400	Part 1, Section E, E1 Hazardous to the aquatic environment in Category Acute Hazard, Category 1, or Chronic Hazard, Category 1 (due to code H400) Part 1, Section H, H2 Acute toxicity (due to code H301)	Storage room and tank for solution preparation with a total capacity of 3600 kg – 23980 litres – 25 m ³ , and a tank for solution delivery with a total capacity of 1200 kg – 8000 litres – 8 m ³ with a solution dosing system.	48	48	Flakes
Copper sulphate	7758 99-8	231 847-6	Acute Tox. 4 H302 Skin Irrit. 2 H315 Eye Irrit. 2 H319 Aquatic Acute 1 H400 Aquatic Chronic 1 H410	Part 1, Section E, E1 Hazardous to the aquatic environment in Acute Hazard Category 1 or Chronic Hazard Category 1 (due to codes H400 and H410)	Storage room and tank for solution preparation with a total capacity of 3000 kg – 20000 litres – 20 m ³ , and tank for solution delivery with a total capacity of 1500 kg – 10000 litres – 10 m ³ with a solution dosing system the solution.	45	45	Solid substance
Prista® M10 D	mixture		Not classified		Storage room, 2 barrels of 110 kg each	0.22	0.2	Liquid

Prista AN 68_100	Mixture		Not classified		Storage room, 2 barrels of 110 kg each	0.22	0.22	Liquid
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¹ The trivial or common name of the chemical substance shall be indicated

² Indicate whether the substance is listed by name in Part 2, column 1 of Annex No. 3 to the Environmental Protection Act, or is classified in one or more hazard categories in accordance with Part I of Annex No. 3 to the Environmental Protection Act, indicating all hazard categories of the substance from column 1 of Part I and their serial number. If hazardous substances in the form of waste are present in the enterprise/facility, a description of the classification shall be provided in accordance with note 5 of Annex No. 3 to the ZOOS.

³ The number and maximum capacity of storage and/or production facilities, including pipelines on the premises of the enterprise, in which the relevant dangerous substance listed in Annex 3 to the Environmental Protection Act is or will be present, shall be indicated. *At this stage, it is not possible to describe all the technological facilities in which the dangerous substances will be present, as there are no working designs that specify the dimensions of the specific facilities and pipelines in a way that would allow these quantities to be calculated. This will only be possible after the entry into force of an EIA decision approving the investment proposal and obtaining a mining concession. These documents, in turn, will allow Tintyava Exploration AD to proceed with the working design of the facilities within the meaning of the Spatial Development Act, which will allow their dimensioning. Upon reaching this stage, the current classification will also be updated.*

⁴ The maximum quantities of hazardous substances are indicated in accordance with note 3 of Annex No. 3 to the Environmental Protection Act.

⁵ The conditions under which the substance is stored shall be specified, such as aggregate state (solid, liquid, gaseous), particle size (powder, pellets, etc.), pressure, temperature, etc. In the case of hazardous substances classified in hazard categories P5a, P5b or P5c in accordance with Part I of Annex No. 3 to the Environmental Protection Act, the specific operating conditions, including the temperature and pressure in the technological facilities where the substances are stored, shall be specified.

Note: The quantities of ODS available in the technological facilities described in column 6 are part of the maximum available quantities specified in columns 7 and 8 of the table above.

11. Classification of the enterprise/facility:

11.1. Low-risk enterprise:

Yes/No

11.2. High-risk enterprise:

Yes/No

11.3. Detailed description of the classification of the enterprise/facility under Article 5(1) or (2):

Note: The quantities of hazardous substances used in the calculations are the maximum quantities available at the enterprise and facilities specified in columns 7 and 8 of the table above.

The risk potential of the enterprise has been determined in accordance with the guidelines in Annex 3 to Article 103(1) of the Environmental Protection Act.

Below, a check will be made for low and high risk potential for each of the substances.

Diesel fuel falls under Part 2 "Specifically listed hazardous substances", column 1, item 34c of Annex No. 3 to Article 103(1) of the Environmental Protection Act. The maximum quantities that will be available or are likely to be available at any given time at the site are 42.5 tonnes, which is significantly below the threshold for low risk potential – 2,500 tonnes, as well as for high risk potential – 25,000 tonnes.

According to *the Guidance on the classification of establishments and/or facilities*, where a substance or group of substances listed in Part 2 also falls within the classification in Part 1, the thresholds for minimum quantities specified in Part 2, columns 2 and 3, shall apply. Therefore, these quantities were used in the first calculation.

According to note 6 of the same guide, in the case of dangerous substances with properties that lead to more than one classification for the purposes of Chapter Seven, Section I of the ZOOS, the relevant lowest threshold quantities shall apply. For the application of the rule in note

4, the lowest threshold quantity for each group of categories in note 4, letters "a", "b" and "c", which correspond to the relevant classification, shall be used. Therefore, in the subsequent calculations, the lower thresholds have been taken. For substances falling under Part 1, **Section P, P5c Flammable liquids**, Category 2 or 3, which are not covered by P5a and P5b, the threshold for low risk potential is 5,000 tonnes and for high risk potential is 50,000 tonnes. The maximum quantities that will be available or are likely to be available at any given time at the site are:

- 42.5 tonnes of diesel fuel;
- 6.6 tonnes of foaming agent.

No single hazardous substance is present in quantities equal to or above the relevant threshold quantities.

In accordance with Note 4 under Part 2 of Annex 3 to the ZOOS, the following formula shall be applied:

$q1/Q1 + q2/Q2 + q3/Q3 + q4/Q4 + q5/Q5 + qx/Qx$, where:

qx is the quantity of hazardous substance x (or category of hazardous substances) falling under Part 1 or Part 2;

Qx is the relevant threshold quantity for hazardous substance or category x from Part 1, column 2 or Part 2, column 2.

If the result is greater than 1, the establishment is classified as having a high or low risk potential.

- **The summation according to Section "P", P5c Flammable liquids for low risk potential is presented in the following table:**

No	Name	Available quantity /tonnes / q	Limit values according to Appendix 3	
			Low risk potential	
			Q	q/Q
1	diesel fuel	42.5	2500	0.017
2	foaming agent	6.6	5000	0.00132
-	Σ according to Note 4 to Annex 3 of ZOOS	-		0.01832

The company is not classified as a "low-risk company" falling within the scope of Part 1 and Part 2 of Annex 3 to the ZOOS, Section "P" - Physical Hazards. The total ratios of available quantities to limit values for the respective risk potential are less than 1.

- **The summation according to Section "P" P5c Flammable liquids for high risk potential is presented in the following table:**

No	Name	Available quantity /tonnes / q	Limit values according to Annex 3	
			High risk potential	
			Q	q/Q
1	diesel fuel	42.5	25,000	0.0017
2	foaming agent	6.6	50,000	0.000132
-	Σ according to Note 4 to Annex 3 of ZOOS	-		0.001832

The company is not classified as a "High Risk Potential Company" falling within the scope of Part 1 and Part 2 of Annex 3 to the Environmental Protection Act, Section "P".

- Physical hazards. The total ratios of available quantities to limit values for the respective risk potential are less than 1.

For substances falling under Part 1, **Section "E" - Environmental Hazards, E1 Hazardous to the aquatic environment** in the Acute Hazard Category, Category 1, or Chronic Hazard, Category 1, the threshold for low risk potential is 100 tonnes, and for high risk potential it is 200 tonnes. The maximum quantities that will be available or are likely to be available at any given time at the site are:

- 48 tonnes of sodium hydrogen sulphide;
- 45 tonnes of copper sulphate.

No single hazardous substance is present in quantities equal to or above the relevant threshold quantities.

In accordance with Note 4 under Part 2 of Annex 3 to the ZOOS, the following formula applies:

$$q1/Q1 + q2/Q2 + q3/Q3 + q4/Q4 + q5/Q5 + qx/Qx, \text{ where:}$$

qx is the quantity of dangerous substance x (or category of dangerous substances) falling under Part 1 or Part 2;

Qx is the relevant threshold quantity for dangerous substance or category x from Part 1, column 2 or Part 2, column 2.

If the result is greater than 1, the establishment is classified as having a high or low risk potential.

- The summation according to Section "E 1" for low risk potential is presented in the following table:

No	Name	Available quantity /tonnes / q	Limit values according to Annex 3	
			Low risk potential	
			Q	q/Q
1	sodium hydrogen sulphide	48	100	0.48
2	copper sulphate	45	100	0.45
-	Σ according to Note 4 to Annex 3 of ZOOS	-		0.93

The company is not classified as a "low-risk company" falling within the scope of Part 1 and Part 2 of Annex 3 to the Environmental Protection Act, Section "E 1" - Hazardous to the aquatic environment in the Acute Hazard Category, Category 1. The total ratios of available quantity to limit values for the respective risk potential are less than 1.

- The summation according to Section "E 1" for high risk potential is presented in the following table:

No	Name	Available quantity /tonnes / q	Limit values according to Annex 3	
			High risk potential	
			Q	q/Q
1	sodium hydrogen sulphide	48	200	0.24
2	copper sulphate	45	200	0.225
-	Σ according to Note 4 to Annex 3 of ZOOS	-		0.465

The company is not classified as a "High Risk Potential Company" falling within the scope of Part 1 and Part 2 of Annex 3 to the ZOOS, Section "E 2" - Hazardous to the aquatic environment in the Acute Hazard Category, Category 1. The total ratios of the available quantity to the limit values for the respective risk potential are less than 1.

For substances falling under Part 1, **Section "E" - Environmental Hazards, E2 Hazardous to the aquatic environment** in Category Chronic Hazard, Category 2, the threshold for low risk potential is 200 tonnes, and for high risk potential it is 500 tonnes. The maximum

quantities that will be available or are likely to be available at any given time at the site are:

- 42.5 tonnes of diesel fuel;
- 3.6 tonnes of collector;

No single hazardous substance is present in a quantity equal to or above the relevant threshold quantities.

In accordance with Note 4 under Part 2 of Annex 3 to the ZOOS, the following formula applies:

$$q1/Q1 + q2/Q2 + q3/Q3 + q4/Q4 + q5/Q5 + qx/Qx, \text{ where:}$$

qx is the quantity of dangerous substance x (or category of dangerous substances) falling under Part 1 or Part 2;

Qx is the relevant threshold quantity for dangerous substance or category x from Part 1, column 2 or Part 2, column 2.

If the result is greater than 1, the establishment is classified as having a high or low risk potential.

➤ **The summation according to Section E 2 for low risk potential is presented in the following table:**

No	Name	Available quantity /tonnes / q	Limit values according to Annex 3	
			Low risk potential	
			Q	q/Q
1	diesel fuel	42.5	2500	0.017
2	collector	3.6	200	0.018
-	Σ according to Note 4 to Annex 3 of ZOOS	-		0.035

The company is not classified as a "low-risk company" falling within the scope of Part 1 and Part 2 of Annex 3 to the Environmental Protection Act, Section "E 2" - Hazardous to the aquatic environment. The total ratios of available quantity to limit values for the respective risk potential are less than 1.

➤ **The summation according to Section "E 2" for high risk potential is presented in the following table:**

No	Name	Available quantity /tonnes / q	Limit values according to Annex 3	
			High risk potential	
			Q	q/Q
1	diesel fuel	42.5	25,000	0.0017
2	collector	3.6	50	0.0072
-	Σ according to Note 4 to Annex 3 of ZOOS	-		0.0089

The company is not classified as a "High Risk Potential Company" falling within the scope of Part 1 and Part 2 of Annex 3 to the ZOOS, Section "E 2" - Hazardous to the aquatic environment. The total ratios of available quantity to limit values for the respective risk potential are less than 1.

For substances falling under Part 1, *Section "E" - Hazards to the environment, a third, general check should be performed:*

- **The summation according to Section "E" for low risk potential is presented in the following table:**

No	Name	Available quantity /tonnes / q	Limit values according to Annex 3	
			Low risk potential	
			Q	q/Q
1	sodium hydrogen sulphide	48	100	0.48
2	copper sulphate	45	100	0.45
3	diesel fuel	42.5	2500	0.017
4	collector	3.6	200	0.018
-	Σ according to Note 4 to Annex 3 of ZOOS	-		0.965

The company is not classified as a "low-risk company" falling within the scope of Part 1 and Part 2 of Annex 3 to the ZOOS, *Section "E" - Environmental Hazards*. The total ratios of available quantity to limit values for the respective risk potential are less than 1.

- **The summation according to Section "E" for high risk potential is presented in the following table:**

No	Name	Available quantity /tonnes / q	Limit values according to Annex 3	
			High risk potential	
			Q	q/Q
1	sodium hydrogen sulphide	48	200	0.24
2	copper sulphate	45	200	0.225
3	diesel fuel	42.5	2500	0.0017
4	collector	3.6	50	0.0072
-	Σ according to Note 4 to Annex 3 of ZOOS	-		0.4739

The company is not classified as a "High Risk Potential Company" falling within the scope of Part 1 and Part 2 of Annex 3 to the ZOOS, *Section "E" - Environmental Hazards*. The total ratios of available quantity to limit values for the respective risk potential are less than 1.

For the substance falling under Part 1, *Section "H" - Health Hazards, H2 Acute Toxicity* - Category 2, all exposure routes - Category 3,

inhalation route of exposure, the threshold for low risk potential is 50 tonnes, and for high risk potential it is 200 tonnes. The maximum amount of sodium hydrogen sulphide that will be available or is likely to be available at any given moment at the site is 48 tonnes.

11.4. Detailed description of the planned changes/extensions under Article 7(3):

12. Presence of confidential information: Yes/No

12.1. Trade or commercial secret: Yes

Type of information under points 1 to 12 and reasons: No

12.2. State or official secret: Yes

Type of information under items 1 to 12 and reasons: No

12.3. Personal data: Yes/No

Description of the data:

13. For enterprises/facilities that do not fall within the scope of Annex 1 or Annex 2 to the Environmental Protection Act - number and date of the opinion of the relevant competent authority under Chapter Six, Section III of the Environmental Protection Act, stating that the planned construction or modification/expansion of the enterprise/facility or parts thereof is not subject to the procedure under Chapter Six, Section III of the Environmental Protection Act.

An EIA procedure is to be carried out for the investment proposal for "Extraction and processing of polymetallic ores from the Tintyava area (Rozino deposit)".

14. Information on the fee paid and date of payment - not applicable

Appendices

1. Diagrams showing the (planned) use, production and storage of hazardous substances from Annex 3 to the Environmental Protection Act and a site plan showing the location of the technological facilities listed in column 6 of the table under item 10. Description of the location of all buildings on the site.

As the activity is at the "investment proposal" stage, there is no precisely defined location for the chemical storage facilities and the diesel fuel tank. The final location will be determined at the next stage of development of the mining site.

2. Copies of the current safety data sheets for hazardous substances in the enterprise/facility.

At present, the activity is at the investment proposal stage and there are no substances available on site, so there is no SDS available from a specific manufacturer from whom the company supplies materials. We are attaching an SDS based on data from the internet. Data from the website of the European Chemicals Agency has been used for the classification of sodium hydrogen sulphide.

3. Declaration by the operator/contracting authority on the accuracy of the data, drawn up in accordance with Annex No. 10.

Date: 19 May 2023

Daniel
Radoslav
Signature: ov
Marinov

Digitally signed by
Daniel Radoslavov
Marinov
Date: 19 May 2023
13:36:55

Declaration of data accuracy

The undersigned: Daniel Radoslavov Marinov
(first name, middle name, surname)
in my capacity as the person ~~managing/representing~~ the company:
Tintyava Exploration AD with UIC 204432874
(company name) registered office and
address of management
Ivaylovgrad 6570 1 Shesti Septemvri Street Tel.:
0888975088

DECLARE THAT:

All documents submitted by me in paper and electronic form are true and contain reliable information corresponding to the actual situation, including the planned changes/expansions to the site of the enterprise/facility.

I am aware of the criminal liability under Article 313 of the Criminal Code for providing false data and documents.

Declarant:
(signature)

**Daniel Radoslavov
Marinov**

Digitally signed by Daniel
Radoslavov Marinov
Date: 19 May 2023 13:37:35
+03'00