



Information on planned safety measures and methods of action in the event of an accident on the territory of the Flotation Complex of "Ellatzite-Med" AD

1. The name or the trade name, ID number of the operator and the complete address of the undertaking/facility

Flotation complex of "Ellatzite-Med" AD, UIC 122016037; 2086 Mirkovo village, Mirkovo municipality, Sofia region

2. Data on the current opinions/decisions issued under chapter seven, section I of the EPA.

The Flotation Complex of Ellatzite-Med AD is classified as an undertaking/facility with low-risk potential (UFLRP). The classification was validated by the Minister of Environment and Water with letter ref. № UK-49/24.08.2017.

The completeness and compliance of the updated Report for prevention policy of major accidents (RPPLA) of Ellatzite Flotation Complex have been confirmed by Confirmation No. RPPLA-2-11/2018 by the director of RIEW- Sofia.

3. Brief description of the activity or activities in an UFLRP

Ellatzite-Med AD is a private joint-stock company, whose primary business is mining and beneficiation of copper porphyry and gold-bearing ores.

The company has more than 2000 workers and employees. The production is organized in two main areas – Mine complex near the town of Etropole and Flotation Complex near Mirkovo village.

The Flotation Complex is located approximately 60 km east of Sofia in the Mirkovo village, Sofia region.

The Flotation Complex consists of a circuit having several process units, which operate in three successive stages:

- ore preparation - includes the processes of crushing, screening, grinding and classification;
- ore flotation;
- filtration and storage of the copper concentrate.

Crushed ore is transported from Open Stockpile No.1 (on the territory of the Mine Complex) to Open Stockpile No.2 in the Flotation Complex by an underground rubber-belt conveyor line placed in a tunnel.

Secondary crushing in the Flotation complex is performed in four crushing lines and includes preliminary screening, ore crushing by cone crushers and control screening of the crushers' product. Fine crushing is performed in nine crushing lines.

Molybdenum flotation is also carried out and has been operating since 2009.

The end products obtained from beneficiation are copper and molybdenum concentrate, with molybdenum production operating episodically.

The technological waste from the mineral processing, tailings (mining waste), is deposited in Benkovski-2 Tailings Dam.

There are several storage facilities on the territory of the Complex, which ensure its operational needs.





4. Information on the dangerous substances in the undertaking/facility listed in Appendix No. 3 to the EPA and a brief description of their main hazardous properties according to section III, It. 6 of Appendix No. 2, respectively section V, It. 6 of Appendix No. 4

The names and hazard categories of the dangerous substances from Appendix No. 3 of the EPA, which are present in the facility are presented in the table below.

№	Chemical Name:	Hazard categories under Regulation (EC) № 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) (OB, L 353/1 from 31.12.2008)
1.	Sodium hydrosulfide	Acute toxicity, category 3 (H300) Toxic to aquatic organisms, category 1 (H400)
2.	Methyl isobutyl carbinol	Flammable liquid, category 3 (H226)
3.	Kerosene	Flammable liquid, category 3 (H226) Toxic to aquatic organisms, category 2 (H411)
4.	Mazut	Toxic to aquatic organisms, category 2 (H411)
5.	Gas oil, sulphur content 0.001% - for heating	Flammable liquid, category 3 (H226) Toxic to aquatic organisms, category 2 (H411)
6.	Automotive petrol	Flammable liquid, category 1 (H224) Toxic to aquatic organisms, category 2 (H411)
7.	Diesel fuel	Flammable liquid, category 3 (H226) Toxic to aquatic organisms, category 2 (H411)
8.	Acetylene	Flammable gas, category 1 (H220)
9.	Oxygen	Oxidising gas, category 1 (H270)
10.	LPG	Flammable gas, category 1 (H220)
11.	Argon/methane	Flammable gas, category 1 (H220)
12.	Natural gas	Flammable gas, category 1 (H220)
13.	Waste oils (motor oils, hydraulic, lubricating) (waste code 12 01 07*, 13 01 10*, 13 02 08*)	Toxic to aquatic organisms, category 2 (H411)
14.	Spent waxes and fats (waste code 12 01 12*)	Toxic to aquatic organisms, category 2 (H411)
15.	Oil interceptor sludges (waste code 13 05 03*)	Toxic to aquatic organisms, category 2 (H411)
16.	Wastes of mazut (waste code 13 07 01*)	Toxic to aquatic organisms, category 2 (H411)
17.	Packaging containing hazardous substances (waste code 15 01 10*)	Toxic to aquatic organisms, category 2 (H411)
18.	Oil filters (waste code 16 01 07*)	Toxic to aquatic organisms, category 2 (H411)





5. General information on emergency warnings and what actions the affected public should take in the event of a major accident at the undertaking/facility, or an indication of the source, from which this information may be accessed electronically

The possible causes of an accident in the facility are related to the leakage of dangerous chemical substances and the subsequent events. There is a risk of a major accident occurring at the storage facility for mazut in the Thermal Engines Department, storage tanks for oil products (gas oil, kerosene, diesel fuel and petrol), pressurized gas storage warehouse, sodium hydrosulfide storage warehouse, natural gas decompression site and points for collection and temporary storage of hazardous waste generated by the company's activities.

The measures and means to limit the consequences of major accidents are described in detail in the updated RPPLA and the emergency plan of Ellatzite Flotation Complex.

The developed and approved documents contain an emergency plan in case of natural disaster, accidents and fire.

For early warning of disasters and accidents, Ellatzite-Med AD has integrated an automated local system for issuing an emergency alert, connected to the Regional Control Unit in Sofia, an integral part of the National Early Warning and Notification System.

The information to be provided to the competent authorities in the event of an accident includes:

- the circumstances for the occurrence of the accident;
- the available data, allowing to assess the consequences of the accident for human health and the environment;
- the undertaken measures immediately after the accident, including:
 - measures to prevent the recurrence of an accident;
 - measures for restriction of the consequences of the accident.

Given the nature of possible major accidents and the location of the facility, additional workforce and equipment for rescue operations and remedial works outside the facility are not required.

On the company's website, the affected public can find published information about the planned safety measures, behaviour and actions in the event of an accident on the territory of the Flotation Complex of Ellatzite-Med AD.

6. Resources for obtaining additional information

Additional information from the company can be obtained by contacting Eng. Al. Grigorov, Director of "Environment and Waters" Department, phone: 02/923 77 68. (02) 923 77 68.

