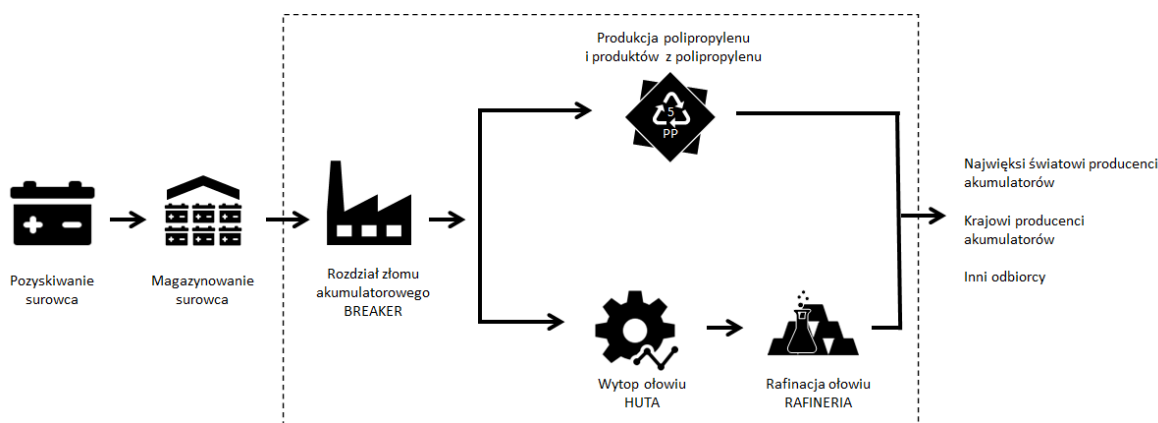


ORZEŁ BIAŁY S.A. A PLANT OF HIGH RISK OF A MAJOR INDUSTRIAL ACCIDENT

The core operations of Orzeł Biały S.A. are in the recovery and recycling of used lead-acid batteries and other lead-bearing materials. Orzeł Biały S.A. Plant is located in the Silesian Voivodeship, at Piekary Śląskie, at ul. Harcerska 23. The entire technological process takes place in several stages. It starts with crushing battery scrap at the recycling department, then recovered lead-bearing materials are sent to the smelting department and the whole process ends with refining of lead where refined lead and lead alloys are the final product.



Bearing in mind the specifics of its operations, the overriding objective of Orzeł Biały S.A. is to run processes using the best available production techniques, while maintaining the highest standards related to environmental protection, occupational health and safety, and production quality. These efforts are implemented, among others, through the Integrated Management System implemented at Orzeł Biały according to the following standards: PN-N 18001, ISO 14001, ISO 9001.

In accordance with the Ordinance of the Minister of Development of 29 January 2016 on the types and quantities of hazardous substances present in the plant, determining the plant being classified as a plant with an increased or high risk of serious industrial accident (Law Journal Dz. U. 2016, Item 138), Orzeł Biały S.A. has been classified as a high risk plant for a major industrial accident due to the substances containing lead compounds used in the technological process (lead paste).

In fulfilling the obligations contained in legal provisions (SEVESO III Directive, Environmental Protection Law Act) has developed and submitted to the competent authorities:

Notification

Industrial Accident Prevention Programme

Internal Emergency Rescue Plan

Security Report

January 31, 2014 saw the Silesian Commandant of the Provincial State Fire Service having approved by Decision No 4/2014/WZ the Safety Report developed for Orzeł Biały Plant located at Piekary Śląskie at ul. Roździeńskiego 24 on account of the potential threat to the (aquatic) environment through periodical storage of lead-containing substances (lead paste) on its premises. In connection with the legislative changes, the Plant Operator - the President of the Management Board - updated the documentation required by the Environmental Protection Law Act and submitted on May 31, 2016 an updated Notification, Accident Prevention Programme and Safety Report to have the changes introduced therein approve. On November 24, 2016, the Silesian Commandant of the Provincial State Fire Service approved the changes in the Safety Report by decision No WZ.02210.58.2016.MS.

Pursuant to Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on the classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC and amending Regulation (EC) No. 1907/2006 (CLP Regulation) lead compounds (lead paste) are classified as hazardous to the aquatic environment, characterised by the risk phrase H410 (Very toxic to aquatic life with long lasting effects). However, it should be emphasised that due to the appropriate way and place of storage of the above-mentioned substance, the threat to the aquatic environment is close to zero.

In the event of an industrial accident on the plant premises Orzeł Biały is obliged to:

1. immediately notify the State Fire Service PSP and the Provincial Inspector for Environmental Protection WIOŚ,

2. promptly submit to the authorities referred to above the following information:

- ❖ accident circumstances,
- ❖ hazardous substances data connected to the accident so as to enable the assessment of the accident impact on people and environment,
- ❖ Information on emergency and rescue measures undertaken including actions aimed at containing the accident consequences and preventing the accident to occur again.

It should also be mentioned that from the risk analysis carried out for the Plant of Orzeł Biały S.A. it follows that the occurrence of a major industrial accident is at an acceptable level. The scenarios of emergency events involving the release of oxygen into the atmosphere or flushing the paste from the input material warehouse were analysed. These events may have a limited range of impact. In practice, this means that oxygen and substances containing lead compounds (substances that formed the basis for qualifying Orzeł Biały as High Risk Plant/ZDR) do not pose a threat outside the premises of Orzeł Biały.

Considering the above, **the recommendations for the population are limited to the following activities:**

- ❖ in case of noticing an industrial accident (as in the case of a fire), notify the factory services or the Fire Brigade under number 998/112 and other rescue services.
- ❖ move away from the danger area, especially if the accident results in a fire;
- ❖ do not disturb the work of rescuers, do not block access of special vehicles,
- ❖ follow the instructions given by the emergency services

After the hazard disappeared which has arisen as a result of failure you must:

- ❖ keep away from industrial accident site and facilities affected by its consequences,
- ❖ follow the recommendations of rescue services, factory services, city authorities

In the event of such accident, employees of the plant (designated persons) first of all shall, based on the internal emergency and rescue plan and scenarios included therein, undertake rescue operations, and then alert the external services of the State Fire Service PSP, Ambulance Service, Environmental Protection Inspection and other units necessary for the accident recovery.

By fulfilling the above-mentioned obligations, Orzeł Biały intends to ensure that the security systems used on the premises of the Plant guarantee safe work not only to our employees but also persons staying on the premises of the Plant as well as in its vicinity, and that calculations of the extent of the industrial accident impact on the premises of Orzeł Biały have shown that such consequences do not affect any objects outside the Plant's boundaries.

Document date : 10.2015

Last updated: 15.10.2019