

LOWER-TIER ESTABLISHMENT



INFORMATION ON SAFETY MEASURES AND PROCEDURES IN THE EVENT OF MAJOR ACCIDENT OCCURRENCE IN WYTWÓRNIA SPRZĘTU KOMUNIKACYJNEGO "PZL-ŚWIDNIK" S.A.

*in accordance with Art. 261a of the Act of 27 April 2001 Environmental Protection Law
(consolidated text, Journal of Laws of 2020, item 1219)*

INFORMATION



1. Identification of the Establishment Operator.

Name of the company operator Wytwórnia Sprzętu Komunikacyjnego „PZL-Świdnik” S.A.
(hereinafter referred to in the document: PZL-Świdnik, Company, Site)

Address Al. Lotników Polskich 1, 21-045 Świdnik

Person in charge of the company The Board of Wytwórnia Sprzętu Komunikacyjnego „PZL-Świdnik” S.A.

Telephone (081) 722-50-00 or (081) 446-80-00

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NIP 713-000-55-02

REGION 004207330

OWNED CERTIFICATES



PERSON PROVIDING INFORMATION

Name and surname: **Radosław Brzozowski**

Position: **Leading Specialist for Hazardous Materials and Prevention of Failures**

Phone number: **(081) 722-50-53 (working hours 8:00-16:00)**

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2. Confirmation that the plant is subject to regulations on major accidents prevention.

Wytwórnia Sprzętu Komunikacyjnego „PZL-Świdnik” S.A. is subject to the provisions on major accidents prevention in accordance with the Act of 27 April 2001 Environmental Protection Law (consolidated text, Journal of Laws of 2020, item 1219). Wytwórnia Sprzętu Komunikacyjnego „PZL-Świdnik” S.A. provided the Notification of the Establishment referred to in Art. 250 (1), to the Powiat Commander of the State Fire Service in Świdnik. Wytwórnia Sprzętu Komunikacyjnego „PZL-Świdnik” S.A. has also prepared, in accordance with the requirements of the regulations, the Major Accident Prevention Policy. The distribution of the above-mentioned documents also includes the Provincial Inspector of Environmental Protection in Lublin.

In Company functioning Safety Management System in accordance with the requirements set out in Art. 252 of the Act, which is part of the developed and implemented Environmental, Occupational Health and Safety Management System. The implemented Environmental, Occupational Health and Safety Management System meets the requirements of the following standards:

- ISO 45001:2018 – „Occupational health and safety management systems. Requirements”;
- ISO 14001:2005 – „Environmental management systems. Requirements and application guidelines”.

In scope of quality requirements, the Company has implemented a Quality System that meets the requirements of the following standards:

- AS9100 Rev. C „Quality Management Systems - Requirements for Aviation, Cosmonautics and Defense Organizations”
- ISO 9001:2008 „Systemy zarządzania jakością – Wymagania”

The company maintains the validity of the certificates granted, which is related to periodical reviews of documentation and audits carried out by external certified entities to which the site is systematically subjected.



3. Description of the Establishment activity.

The main activity of Wytwórnia Sprzętu Komunikacyjnego "PZL-Świdnik" S.A. is the production of aircraft - helicopters, production of spare parts and equipment for helicopters, repair services of helicopters and cooperative production (parts and components for aircraft).

Helicopter production requires the use of specialized electrochemical, chemical or physical processes where hazardous chemicals are used.

These processes includes:



- electrochemical and chemical machining of steel and its alloys (electroplating)
- electrochemical and chemical machining of aluminum and its alloys (anodizing)
- aluminum heat treatment (nitrate bath)
- storage of hazardous substances for the preparation of process mixtures



4. Characteristic of the stored hazardous substances that determine the qualification of Establishment as the Lower-tier Establishment, taking into consideration their names or categories and the hazards they cause.

In the area of "PZL-Świdnik" there are hazardous substances classified as acutely toxic (section "H" - hazardous to health) and substances hazardous to the aquatic environment (section "E" - hazardous to the environment) in the amount qualifying the Establishment, in accordance with the applicable regulations, as a Lower-tier Establishment.



NAME OF SUBSTANCES OR CATEGORIES	CHARACTERISTICS OF STORAGE OF HAZARDOUS SUBSTANCES	CAUSED RISKS
<p>Toxic substances category 1 and 2</p>  <p>Representative examples: Sodium cyanide, potassium cyanide and their solutions Chromium trioxide and its solutions.</p>	<p>Substances in pure form and in mixtures in process installations.</p> <p>The pure substances are solids with the exception of hydrofluoric acid of various toxicity.</p> <p>The mixtures are aqueous solutions that are non-flammable, with toxicity depending on the concentration of individual components and their classification.</p>	<p>Substances and mixtures:</p> <ul style="list-style-type: none"> toxic by inhalation, in contact with skin and if swallowed
<p>Hazardous to the aquatic environment, acute 1 or chronic 1 and chronic category 2.</p>  <p>Representative examples: Sodium cyanide, potassium cyanide and their solutions Chromium trioxide and its solutions.</p>	<p>Substances in pure form and in mixtures in process installations.</p> <p>Aqueous solutions, non-flammable, with environmental toxicity depending on the concentration of individual components and their classification.</p>	<p>Substances and mixtures:</p> <ul style="list-style-type: none"> very toxic to aquatic organisms very toxic to aquatic life, causing long-term changes toxic to aquatic life, causing long-term changes

5. Information on the main major accident scenarios.

In the "PZL-Świdnik" installations there is a risk of a major accident resulting from the use of substances posing a hazard to health and the environment.

In conjunction with the above, the Establishment installations have been analyzed for the risk of a major accident.

Hazard identification was carried out, taking into account internal hazards in installations and external ones related to the neighbouring installations that have an impact on the occurrence of the domino effect, as well as an analysis of historical data on accidents with the same substances in similar processes. On this basis, potential accident scenarios have been selected:

- Process bath overflow / rupture
- Rupture of a container with a hazardous substance in a chemical warehouse
- Leak of a container with a hazardous substance in a chemical warehouse
- Leak of a container with a hazardous substance on the company's route

The hazards analysis and process risk assessment carried out show that technical and organizational safety measures applied in Wytwórnia Sprzętu Komunikacyjnego „PZL-Świdnik” S.A. enable effective prevention of accident events (releases of hazardous substances to the environment) and, in case of a potential release, limit the development of accident scenarios.

Risk level for all representative accident scenarios does not exceed the allowed - Tolerable Acceptable (TA) level.

There is no need to implement additional safety measures in any of the scenarios.



6. Information concerning safety measures to be taken in case of accident.

Item.	SAFETY MEASURES	EFFECT OF USE
1	Fire detection, emission detection or unsealing of selected installations.	<ul style="list-style-type: none"> limiting the amount of substance released, shortening the response time of emergency services
2	The use of a leak collection system (emergency tanks, drip bowls, sorbent sets).	<ul style="list-style-type: none"> limiting the amount of substance released,,
3	Disconnection of fragments or process or tanks by shut-off valves.	<ul style="list-style-type: none"> limiting the amount of substance released,
4	The use of technical fire protection measures: <ul style="list-style-type: none"> external hydrant network with pumping station and water supply reservoir ensuring appropriate extinguishing parameters. fixed CO2 firefighting equipment fixed fogging devices fixed extinguishing devices using NOVEC 1230 and INERGEN 	<ul style="list-style-type: none"> extinguishing fires and protecting neighboring objects
5	The use of communication and alerting means: <ul style="list-style-type: none"> fire alarm system internal telephone communication network internal radio communication network (personal, mobile radio) 	<ul style="list-style-type: none"> immediate notification of relevant company and external services
6	Take action by properly prepared, trained and equipped in-house Rescue and Fire-Fighting Groups as part of a functioning safety management system.	<ul style="list-style-type: none"> limiting the effects of fires, explosions, toxic contamination, prevention of the domino effect
7	Take action by the In-house Rescue and Firefighting Unit using a fire truck.	<ul style="list-style-type: none"> limiting the effects of fires, explosions, toxic contamination, prevention of the domino effect



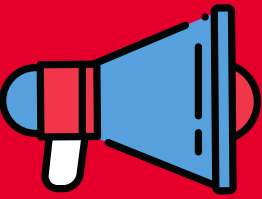
7. Information on methods of warning and proceedings of public in the event of major accident occurrence.

1

METHODS OF WARNING

The analysis of identified (possible) accident scenarios in the PZL-Świdnik area does not indicate that the effects of the accident on the site will spread outside the PZL-Świdnik area and will cover adjacent areas. There are no failure scenarios whose range goes beyond the site area.

ALARMING



1. The Company shall immediately inform about the occurrence of a major accident on its territory, the state services responsible for security, including the Poviát Crisis Management Center and the Duty Service of the Mayor of the City of Świdnik.
2. If there is such a need, information for the public about the resulting failure will take place using broadcast devices on police cars, city guards and other services participating in the rescue operation.
3. It is also allowed to provide information via media media centers based on announcements prepared by the Company.

PROCEEDING INSTRUCTION IN CASE OF A THREAT


2

In the event of observation in the site or its surroundings of a situation that could indicate a major accident, eg: floating smoke, a significant increase in the traffic of emergency services vehicles, and in particular after receiving information about a threat, it is necessary to:

- staying in an open area – do not approach the premises of the plant, move away from it leaving the danger zone perpendicular to the direction of the wind as soon as possible or take shelter at home; in the case of educational institutions and health care institutions, bring charges to the building and not allow it to leave,
- staying indoors – close and seal all doors and windows as well as ventilation devices, do not leave buildings,
- turn on the radio or TV set to the local station bandwidth and strictly follow the instructions and instructions given; listen to announcements transmitted by car loudspeakers of emergency services,
- do not smoke, extinguish all sources of fire,
- do not eat food or drink liquids that may have been contaminated,
- wait for orders from leaders of rescue operation,
- be prepared for possible evacuation,
- wait for the threat alarm to be canceled.

3

AFTER RECEIVING INFORMATION ABOUT THE NEED TO EVACUATE, KEEPING CALM, WITHOUT DELAY:

- 
- disconnect all media, make sure all doors and windows are closed,
 - take the necessary documents, medicines (in the case of a chronic illness such as diabetes, ischemic heart disease, etc.), and clothes adapted to the weather,
 - go to a designated collection point,
 - follow the orders of leaders of rescue operation,
 - special care for people under your care: children, the elderly, people with reduced mobility,
 - move from the collection point to the designated places of temporary stay by available means of transport.

Always follow the instructions of persons carrying out rescue operations.

PLACES TO OBTAIN ADDITIONAL INFORMATION RELATED TO COMPANY

Additional information concerning PZL-Świdnik in areas not included by a trade secret and / or a business secret, as well as the subject to the requirements set out in separate regulations relating to the protection of classified information, can be obtained directing a written request to the following address:

„Wytwórnia Sprzętu Komunikacyjnego „PZL-Świdnik” S.A.
Al. Lotników Polskich 1, 21-045 Świdnik.”

Information related to: the register of hazardous substances and instructions for the public in the event of major accident are also made public, pursuant to Art. 267 of the Environmental Protection Law, by the Powiat Commander of the State Fire Service in Świdnik.