

Information for the public on safety measures of AS Alexela Logistics Paldiski Terminal and the prevention of possible accidents

This information is intended to inform you of the activities of our company and the associated risks.

Location and address:

The Paldiski Terminal of AS Alexela Logistics is located at Rae 1a, Paldiski, Lääne-Harju Parish, Harjumaa, between the city of Paldiski and the South Harbour. The area of the terminal is 30,343 m². It is located on the southwestern edge of the Pakri Peninsula, 100–200 metres from Paldiski Bay. The geographical coordinates of the terminal are following: N 59° 20' 27" and E 24° 04' 18".

Contact details for the person providing information on safety measures:

The person responsible for providing information on safety measures is Toomas Saarepere, Quality and Safety Manager, phone: +372 679 0876, e-mail: toomas.saarepere@al.ee

Confirmation that the company with a major-accident hazard has submitted the documents required by the Chemicals Act:

We confirm that we are a company with a risk of a category A major accident, and we have prepared an information sheet, a safety report, and an emergency plan, and have submitted these to the local government and the emergency services. The information sheet and safety report have also been submitted to the Consumer Protection and Technical Regulatory Authority. We hold a valid license issued by the Consumer Protection and Technical Regulatory Authority. The chemical handling permit has been issued on the basis of the Chemicals Act with an integrated environmental permit, KKL-500393. The company complies with the Seveso II Directive.

Information on recent inspections is available at: <https://www.rescue.ee/et/paeaesteameti-ohutusportaal> or from Rescue Board e-mail: rescue@rescue.ee, phone: + 372 6 282 000.

Short description of the operation of the terminal:

The main activities of Paldiski terminal are the reloading of oil products received via sea/ rail/ road to terminal tanks, short-term storage and reloading from terminal tanks mainly to vessels, occasionally to road and rail, as well as the production of aviation gasoline and alkylate. On the territory of the terminal, there is a tank farm consisting of thirty-four tanks with a total volume of 357,900 m³, where oil products and chemicals are reloaded and stored. Oil products are pumped via pipelines to quays 1 and 7 of Paldiski South Harbour, where these are loaded on tankers. Paldiski terminal is registered as a public customs warehouse and customs terminal.

General information about dangerous chemicals handled with potential to cause major accident:

Further information can be accessed from following location: List of dangerous chemicals

General information about the risk of a major accident:

Potential major accidents in hazardous companies can be caused by:

- human error,
- technical error,
- loss of control of the production process,
- external force majeure,
- plane crash,
- act of terrorism.

The most important of these can bring along very serious consequences and catastrophe, but are very unlikely to occur. In addition to our risk analysis, this is also confirmed by Estonian and international practice. The most important aspect is to prevent the ignition of an oil product that has spilled accidentally.

As a result of the risk analysis, the following external hazards can be highlighted:

1. Terrorism, sabotage – extremely unlikely in our circumstances. When the international or domestic political situation changes, more attention needs to be paid to it. At the same time, it is extremely difficult to rule out the threat of terrorism locally, even in the presence of a professional armed guard, as a small grenade launcher, rocket launcher or minesweeper can cause a catastrophe in the oil terminal from a long distance. Measures at the national level are needed when the likelihood of that risk increases.
2. Inaction or improper action by the tanker crew may result in fire on the tanker or marine pollution. This risk has received a great deal of international attention and an independent standard has been developed to ensure safety onboard and during loading operations - ISGOTT (International Safety Guide for Oil Tankers and Terminals). Its requirements are also followed at Alexela Logistics Paldiski Terminal. The principles of conducting loading operations, ensuring safety, and the means of communication are agreed in advance in writing. The terminal has done its utmost to reduce this risk, but in the risk analysis, this is still assessed as a medium-level risk. This may be partly due to the fact that the terminal is not able to significantly control or influence the activities of the tanker crew.
3. The threat from the activities of neighbouring companies is mainly related to the pipeline of oil products located in the territory of the port. As a result of a fire in a timber warehouse nearby, the oil pipes may become hot due to heat radiation. Both emptying and cooling the pipes are time consuming. There is also no atmospheric oxygen in the pipe (the pipes are emptied with nitrogen), so the formation of an explosive mixture from overheated oil vapours is not possible. Another hazard arises from the vehicles moving around the territory of the port, which may accidentally hit the pipeline. This hazard has already been significantly reduced in 2004, when part of the pipeline was shifted in order to avoid vehicles moving under the pipes.

In the case of an emergency AS Alexela Logistics Paldiski Terminal acts according to the following instructions:

1. Extinguishing the fire in the tank farm
2. Extinguishing the fire at the technological pumping station

3. Extinguishing the fire at quays 1 and 7 in Paldiski South Harbour
4. Extinguishing the fire on the railway platform
5. Extinguishing the fire in the exposition park.
6. Pollution or leakage at terminal and port

The main objects of danger in the terminal are fuel tanks and the platform for emptying rail tanks.

In the event of an emergency:

- the work of subcontractors is suspended,
- the staff not belonging to the terminal rescue team gathers in the immediate vicinity of the control centre for further operational instructions,
- the loading activities may be resumed only after permission is received from the control centre,
- the issue of work permits may begin after permission from the shift manager in accordance with the applicable procedure.

According to the risk analysis for butane handling, the danger area of butane tanks is 800 metres (heat radiation).

The figure shows an example of a primary danger area with a thick line ($r = 310$ m) and a secondary danger area with a thinner line ($r = 800$ m) for BLEVE, which would also be a possible evacuation area according to the ERG 2004 criteria.



The hazardous outputs of major accidents that could lead to an emergency are:

- tank in flames at the terminal,
- puddle of spilled oil in flames inside the walled area,

- major fire on the loading platform of the rail tanks,
- explosion on the loading platform of the rail tanks,
- large-scale environmental pollution caused by a fuel spill into the sea.

General information about informing and warning people at risk of major accident occurrence and how people must proceed:

In the case of a high risk of an accident, the alarm (six consecutive 60-second sirens) is triggered by the shift manager at Paldiski terminal.

In the event of an alarm, you should proceed as following:

- Keep calm and close the windows, while you are at home.
- Do not come close to the terminal (at least 800 metres from the business).
- When you hear an alarm siren and are in the immediate vicinity (within 600 metres), leave the area immediately.
- Avoid using an open fire in dangerous areas – fuel and gas vapours may ignite if there is an open flame nearby.
- When leaving the dangerous area, make sure that the people with you also leave.
- Listen to the radio and TV for further instructions.
- Do not call the emergency number (112) to just get information about an accident, as such calls may overload the line.

Should the risk of major accident evades or accident is under control and cleaned - the end signal of the alarm (six consecutive sirens of 30 seconds) is triggered.

In the event of a major accident, the crisis management team of AS Alexela Logistics Paldiski Terminal, in cooperation with the Crisis Committee of Lääne-Harju municipality and/or the head of the rescue work, publishes an emergency notice in the media, and all possible forces (incl. employees of Paldiski terminal who are not directly involved in solving the emergency situation) are engaged in informing people in the affected area. Guidelines are given while delivering information about the emergency situation, including measures to prevent the inhalation of toxic gases (for example, to use gauze masks or other similar measures).

Confirmation that the company with a major-accident hazard is closely co-operating with Rescue Board:

We confirm that AS Alexela Logistics Paldiski Terminal cooperates with the Rescue Board to ensure a quick response to a major accident and to reduce the consequences of potential accidents.

As a company with a risk of a major accident, we confirm that we have put in place a set of safety measures to ensure a prompt and effective response to a potential accident.

All staff are trained in safety, environmental protection, and health issues according to everyone's job responsibilities. The duties and responsibilities of the employees are set out in the employment

contracts and job descriptions, and the employees are obliged to inform the shift manager of any incidents and to start rescue or cleaning work immediately.

Equipment used in production is inspected by competent persons. Our activities are supervised by competent national authorities.

We have primary fire extinguishing equipment available as well as a stationary fire extinguishing system.

Reference to external emergency plan to deal with off-site emergency consequences and recommendation to follow any instructions given by the rescue services:

The competence of the Rescue Board is to prepare an external emergency plan for companies with a category A major-accident hazard.

Details about an external emergency plans can be found at:

<https://www.rescue.ee/et/ettevottevaeline-haedaolukorra-lahendamise-plaan>

Guidance for further information:

For more information, please contact Toomas Saarepere, Quality and Safety Manager at: Phone +372 679 0876, e-mail: toomas.saarepere@al.ee

- warning and informing people at risk of a major accident;
- the behaviour of people at risk in the event of a major accident;
- upon request, information on the inspection plan and, if necessary, additional information;

Above mentioned Information for the public on safety measures of AS Alexela Logistics Paldiski Terminal and the prevention of possible accidents are reviewed and updated at least once per 3 year period and/ or in the case specified in subsection 23 (1) of the Chemicals Act.

Amended in May 2022