

Public Information



1. Introduction

This document includes all the necessary information that must be communicated to the interested public by the Electricity Authority of Cyprus Power Plant at Vasilikos Energy Center and covers the company's legal obligations under R.A.A. 347/2015 (and its amendment R.A.A. 269/2024). This information mainly concerns hazardous substances and the nature of major-accident hazards with consequences beyond the boundaries of the establishment that may arise from its activities. It has been prepared in accordance with the standards set by the United Kingdom's Health and Safety Executive regarding information available to the public about establishments falling under Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances (SEVESO III).

2. Establishment Details

Company name:	<i>Electricity Authority of Cyprus</i>
Address:	<i>Vasilikos Power Plant, P.O. Box 54294, 3722, Limassol, Cyprus</i>
Is it subject to the provisions of the 2015 Safety and Health at Work (Control of Major-Accident Hazards Involving Dangerous Substances) Regulations - R.A.A. 347/2015?	<i>Yes, classified as an upper-tier establishment</i>
Has a safety report been submitted to the competent authority?	<i>Yes</i>
Establishment activities:	<ul style="list-style-type: none"><i>Unloading of tankers</i><i>Transfer of petroleum products from tank to tank</i><i>Loading/unloading of road tankers</i><i>Chemicals storage</i><i>Generation of electricity</i>

- *Production of desalinated water*

Date of last inspection by the competent authority: 20/11/2024

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Source of information: Website: www.eac.com.cy

3. Information on Hazardous Substances

Name	Hazardous Substance Category (R.A.A. 347/2015)	Main Hazards
Diesel oil	Petroleum products	Flammable liquid that may cause fire Toxic to aquatic organisms
Heavy Fuel oil	Petroleum products	Flammable liquid that may cause fire Very toxic to aquatic organisms
Hydrazine	Carcinogenic	Flammable liquid that may cause fire Toxic to human health Very toxic to aquatic organisms
Natural gas	Liquefied gases	Extremely flammable gas that may cause fire/explosion
LPG	Liquefied gases	Extremely flammable gas that may cause fire/explosion
Sodium hypochlorite	Environmental hazards	Toxic to aquatic organisms
Aqueous ammonia 30%	Environmental hazards	Very toxic to aquatic organisms

4. Major Accidents

All scenarios that could lead to a major accident with consequences beyond the establishment boundaries have been identified, and all necessary measures are provisioned to be implemented for prevention of such accidents and mitigate their impact to human health and the environment.

The EAC Vasilikos Power Plant will make the necessary on-site arrangements, particularly in cooperation with the emergency services, to deal with major accidents and mitigate their effects.

Nature of major accident hazards:	<ul style="list-style-type: none"> • Leakage of liquid petroleum products and chemicals • Fire • Explosion • Possible health damage due to the presence of toxic substances • Contamination of the marine environment
Information on the main types of major accident scenarios:	<ul style="list-style-type: none"> • Explosion - The consequences of a vapour cloud explosion (natural gas) may cause structural damage beyond the plant boundaries. • Fire - Its duration may vary from a few seconds to several minutes or hours. Injuries may occur.
Control measures for dealing with major accidents:	<ul style="list-style-type: none"> • Controlled access to the establishment and enhanced monitoring through security cameras. The plant is guarded by the Police. • Construction of tanks and pipelines based on international standards and codes • The control systems, tanks, pipelines and other equipment of the plant have been constructed and are maintained in such a way as to prevent major accidents. • Regular inspections are carried out to maintain and upgrade the safety level of the plant and its equipment. • Continuous training of employees to ensure that they possess the appropriate qualifications to perform their duties and respond to emergencies.

	<ul style="list-style-type: none"> • Continuous supervision of employees, contractors and visitors. • Implementation of a work permit regime. • Assessment and continuous improvement of the Certified Safety and Health Management System. • Emergency plans and joint drills with facilities in the area, Civil Defence and the other competent Authorities. • An operational communication system, both within the establishment and with the competent bodies and services outside it. • Automatic warning systems in case of deviation from normal operation and shutdown. • Isolation procedures to prevent and mitigate the consequences of potential accidents. • Elimination of ignition sources based on a relevant study. • Portable and fixed fire-fighting systems, which are continuously checked to ensure their effective operation. • Management of change procedure for maintaining the safety level of the establishment. • Installation of explosion-proof equipment within hazardous areas • Spill containment systems to minimize the release of hazardous materials to the environment.
<p>Possible impact of major accidents on human health:</p>	<ul style="list-style-type: none"> • Direct contact with liquid petroleum products may cause irritation and damage to the eyes and skin. Inhalation of hydrazine vapours or skin contact may endanger human health. • Possible burns following a fire and injuries in the event of a natural gas explosion. • In the event of a major accident, the consequences may irreparably harm human health.
<p>Possible impact of major accidents on the environment:</p>	<ul style="list-style-type: none"> • Damage to aquatic organisms in case of accidental release into the sea.

<p>How the public will be informed in the event of a major accident – Public actions:</p>	<ul style="list-style-type: none"> • Radio and television stations, as well as members of the emergency services, are the main means of warning the public. • The plant alarm will be activated. Subsequently, the person responsible will provide instructions to the residents of the local communities. • In the event of a major accident, people are advised to remain indoors and cooperate with the competent authorities if required. • If you are at home, immediately close all doors and windows and carefully cover any openings. Deactivate air-conditioning and do not smoke.
<p>Emergency telephone numbers:</p>	<ul style="list-style-type: none"> • Emergency 199 or 112 • Zygi Police Station 24 804 320 • Civil Defence 24 802 034 / 22 403 427 • Vasilikos Fire Brigade 24 804 980 / 24 804 984
<p>Is it possible for a major accident to affect another European Union member state?</p>	<p>No</p>