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1. Introduction

1.1 Location

Aktion (PVK) airport is located in the west part of Sterea Ellada, at a distance of 4 km from Preveza, 16km from Vonitsa and 20km from Lefkada. Cape Aktio is surrounded to the east by Amvrakikos Gulf and to the west by the Ionian Sea.

1.2 Administration

The airport administratively belongs to the Regional Unit (RU) of Aitoloakarnania of the Region of West Greece and the Ionion and more specifically to the Municipal Unit of Anaktorio of the Municipality of Aktio - Vonitsa, Local Community of Aghios Nikolaos Vonitsis.

1.3 Environmental licensing

Approved Environmental Terms

E.T. Decision Reference number	11543/07.03.2017
E.T. Amendment Decision Reference Number	50502/08.12.2017
E.T. Amendment Decision Reference Number	E.T. Amendment Decision Reference Number

1.4 Airport Basic Data

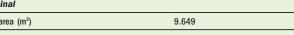
Airport name IATA / ICAO	PVK / LGPZ
Airport location - Airport Reference Point (ARP)	Latitude: 38° 55′ 32″ N Longitude: 20° 45′ 55″ E
Altitude	3.32m
Number of runways	2
Operation hours (summer)	Monday/Saturday 06:30 - 00:15 Tuesday/ Wednesday/Thursday 06:30 - 21:45 Friday 06:30 - 23:00 Sunday 08:30 - 22:30
Operation hours (winter)	Monday/Wednesday/Thursday/Friday/Sunday 09:30 – 15:30 Tuesday/Saturday 09:30 – 16:30



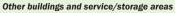
Runways	Length/Width		Code		
Runway	2,87	2,871m x 45m		07L-25R	
Runway	2,974 x 30m		m	07R-25L	
Full length of parallel taxiway	2,974m				
Number of taxiways	3				
Apron capacity	Α	В	С	D	Е
	-	-	3	-	1 (MARS)











RFF Station (m²)	Housed in HAF facilities



Parking Areas	
Car parking spaces	81
Bus parking spaces	14
Taxi parking spaces	17



Employees	High season (31.08.2023)	Low season (30.11.2023)
Fraport Greece (FG) employees	26	20
Employees of other companies	324	124

1.5 Airport facilities

1.5.1 Fuel Handlers

Number of fuel handler companies

Number of fuel handler companies operating at the Airport			1	
Installations inside the airport EKO GIS			HAFCO	
<u> </u>	Not operating		Not operating	
Environmental Management System (EMS)	at the airport	YES	at the airport	

1.5.2 Ground Handlers

Number of ground handler companies

Number of ground handler companies operating at the Airport	3

Installations inside the airport	SKYSERV	SWISSPORT	GOLDAIR
Environmental Management System (EMS)	YES	YES	YES

2. Traffic data statistics

2.1 Annual Traffic Data

Annual Traffic Data for the year 2023 Overall Annual Air Traffic Movements¹ 6.684 Percent of increase or decrease in relation to the previous year Annual cargo transferred (tn) 0 Overall Annual Air Traffic Movements¹ 7 1,1% Percent of increase or decrease in relation to the previous year

Aircraft types

Prevailing aircraft types for domestic flights	
Aircraft type	No. of flights
AT45	572
AT75	70
A109	27
AT76	14
AT72	10
B738	9
AS65	8
BE20	8
C550	8
E55P	8
Other	102
Prevailing aircraft types for international flights	
Aircraft type	No. of flights
B738	2.017
A320	1.503
A321	484
A20N	393
A319	372
A21N	232
B734	89
B737	88
C56X	55
E170	44
Other	571

2.2 High season traffic data

High season traffic data (June-September)

Highest traffic month	August
Air traffic movements during the month with highest traffic	1.434
Air traffic movements daily average number during the month with highest traffic	46

2.3 Low season traffic data

${\bf Low\ season\ traffic\ data\ (October-May)}$

Lowest traffic month	February
Air traffic movements during the month with lowest traffic	42
Air traffic movements daily average number during the month with lowest traffic	1

¹ Military and training flights not included.

3. Aircraft noise))

3.1 Noise measurements during the reference year

Have noise measurements at the airport's surrounding area been performed during the reference year?

NO

Noise complaints: 0

Summary of measurement results

Noise levels are monitored according to the airport's monitoring program and new approved environmental terms.

According to approved Environmental Terms, in 2023 noise measurement was not foreseen.

3.2 Noise levels calculation based on noise simulation software

Aircraft noise levels calculation based on noise simulation software

NO

Summary of results

Noise levels are monitored according to the airport's monitoring program and new approved environmental terms.

According to approved Environmental Terms, in 2023 noise modeling was not foreseen

4. Air quality →

4.1 Air quality measurements during the reference year

4.2 Air pollutants emission and dispersion modelling

Have air quality measurements at the airport's surrounding area been performed during the reference year?

NO

Calculation of air pollutants concentrations based on an emission and dispersion modelling software

NO

of measurement resul	

Air quality is monitored according to the airport's monitoring program, and the new approved environmental terms.

No air quality measurements are foreseen in 2023.

Summary of results

Air quality is monitored according to the airport's monitoring program. No air quality modeling is foreseen in 2023.

5. Waste management ∠∠

Waste	Collection	Management/Disposal
Recyclables (paper, plastic, metals, glass)	Separate collection by the Municipality of Vonitsa	Disposal in material recovery facility for recycling
Residues (Mixed Waste) and Bulky Waste	Collection by the Municipality of Vonitsa	Disposal in landfill

Notes:

- 1. Regarding the different categories of the MSW (recyclables, mixed waste, bulky waste), the Airport Users handle their waste together with Fraport Greece A (central management).
- 2. Regarding the "alternative management' waste categories (Waste lubricant oil WLO, WEEE, etc.):
- i. Waste Lubricant Oil (WLO): Collection and management by authorized collector "CYTOP S.A."
- ii. Waste Electrical & Electronic Equipment (WEEE): Collection and management by alternative management system "Appliances Recycling S.A."
- iii. Accumulators: Collection and management by alternative management system "Re-Battery S.A."
- iv. Small batteries: Collection and management by alternative management system "AFIS S.A."
- v. Used tires: Collection and management by alternative management system "ECOELASTIKA S.A."

- 3. The total quantities of the hazardous waste further to the above-mentioned and produced at the airport, are managed by licensed private companies which have a contract with Fraport Greece A, after Tender according to the provisions of the legislation in force.
- 4. In the year 2023 Fraport Greece A managed a total of 3.54 tons of Hazardous waste (FG A 1.79 tn, third parties 1.75 tn).
- 5. The total quantities of the produced waste by category resulting from all activities of the airport, the collectors and final recipients, are recorded by Fraport Greece A and submitted in the Electronic Waste Registry of the Ministry for Environment and Energy via the Annual Waste Producer Report according to the provisions of the legislation in force.

6. Ecosystem around the airport

6.1 Flora - Fauna



Flora

Are there protected zones of vegetation/habitats in the broader airport area?

YES

In the broader area of Amvrakikos bay, sites that belong to the "NATURA 2000" network exist, such as the broader area of the delta of the rivers Louros and Aracthos, the lagoons (Rodia, Tsoukalio, Logarou, and other smaller ones), and the marine area that surrounds them (GR2110001, GR2110004), as well as the lakes Voulkaria and Saltini.



Fauna

Are there protected species of fauna/birds in the broader airport area?

YES

The protected bird species that have been observed at the vicinity of Aktio Airport since April 2017 are presented below:

White stork (Ciconia ciconia)

Griffon vulture (Gyps fulvus) at Kleisoura area, southeast of Aktio Airport

The field survey dates will gradually increase during the following years.

7. Wildlife hazard management

Wildlife strikes and wildlife hazard management measures

0*

 $[\]ensuremath{^{\star}}$ The Hellenic Air Force (HAF) is responsible for the management of birdstrike risk.

8. Cultural heritage

Have new cultural heritage properties been discovered during the reporting period?

NO

9. Resources consumption



4 7 9.1 Energy consumption

Energy consumption (monthly electric energy consumption, in Kwh)

Total annual electric energy consumption (in Kwh)	1.772.858,47*
•	

*Third parties' consumption is excluded



9.2 Fuel consumption

Fuel consumption

Number of FG vehicles at the airport	8	
	Diesel (It)	4.149,35
Total annual fuel consumption	Unleaded gasoline (lt)	559,6



9.3 Heating oil or natural gas consumption

Heating oil or natural gas consumption

Total annual heating oil consumption (It)	_*	
Total annual heating natural gas consumption (m³)	N/A	

^{*}Heating and air conditioning is performed via heat pumps



9.4 Fuel consumption for generator

Fuel consumption

Total annual consumption (It)	1.416.88	



9.5 Water consumption

Water consumption

lotal annual consumption (m ²) 8.775		Total annual consumption (m³)	8.775	
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10. Greenhouse gas emissions & carbon footprint



Greenhouse gas emissions that were included in the carbon footprint calculation are the CO_2 , $CH_4 \& N_2O$ emissions included in scope 1 & 2 of the GHG protocol:

- Scope 1: Direct GHG emissions that occur from sources that are owned and/or controlled by the airport,
- Scope 2: Indirect GHG emissions from the generation of purchased electricity, steam, heat or cooling consumed by the airport.

Source Flows	Total CO ₂ e(t) Emissions (t)	
Source riows	2023	
Direct emissions form heating fuel (scope 1)	0,0	
Direct emissions from fuel used for fleet vehicles (scope 1)	12,4	
Direct emissions from fuel used for generators (scope 1)	3,7	
Direct emissions from refrigerants (scope 1)	0.0	
Indirect emissions from electricity consumption (scope 2)	946,9	
Total (t)	963,0	
Kg CO ₂ e /passenger	1,18	

Notes

Fraport Greece A is committed to the monitoring, management and reduction of its airports carbon footprint.

In order for this target to be achieved:

- \bullet Direct and indirect carbon emissions from all the emission sources in the airports' boundaries are calculated and reported, based on the GHG Protocol (scope 1 & 2)
- \bullet The airport is certified according to ACA (Airport Carbon Accreditation), Level-1

11. Human comsumption water monitoring program



Human consumption water quality

Water supply (public water network or airport's boreholes)	Municipal network of Lefkada & Aetoloakarnania
Hatel Supply (public water network of an port 3 borelioles)	municipal network of Lenada & Actoloakamana
Is sampling of the airport's water network performed?	YES
(if YES) Sampling frequency:	Quarterly

Summary of results

The results of the microbiological and chemical analyses show that the parameters analyzed as regards the airport's water network are within the legislative limits defined by the Ministerial Decision $\Delta 1(\delta)/$ ГП оік. 27829/2023 (GG 3525/B` 25.5.2023) regarding the quality of human consumption water.

12. Rainwater 🧼

Rainwater (collection, treatment disposal and recipient)

Petroleum Hydrocarbons (TPH), PAHs, BTEX, Heavy metals, Detergents

Numerate (concetion, treatment disposar and recipient)				
Area Collection/treatment/disposal		[YES/NO]		
Apron and manoeuvring area Collected in drainage ditches leading to the sea		YES		
Other runoffs (runway etc.) Collected in drainage ditches leading to the sea		YES		
Treatment of rainwater by oil-separator		NO		
Rainwater quality				
Is sampling of the airport's rainwater performed?		YES		
(if YES) Sampling frequency:		Annual		
Parameters analyzed: pU conductivity TSS DO NO NO Oil & greace POD COD Tet) Total		

Summary of results

Surface rainwater quality is monitored according to the airport's monitoring program. Due to the absence of designated recipients and relevant national quality limits for surface rainwater, the Environmental Health & Safety Guidelines of the International Finance Corporation (IFC) are adopted. Surface rainwater monitoring for 2023, was performed and quality of the water is in accordance with the IFC guidelines. However presence of hydrocarbons and pathogens is recorded, in one sampling point, which is being further investigated.

13. Groundwater and/or soil and/or soil gas monitoring



Groundwater and/or soil and/or soil gas quality

Is sampling of the airport's groundwater and/or soil and/or soil gas performed?	YES
(if YES) Sampling frequency:	Annual
Parameters analyzed: TPH, BTEX, MTBE	

Summary of results

Groundwater monitoring within airport boundary - Fraport Greece

Groundwater quality is monitored according to the airport's monitoring program. The results show no exceedances.

Groundwater and/or soil and/or soil gas monitoring at fuel farms— Fuel Handlers

According to the approved environmental terms, monitoring of groundwater and soil from the Fuel Handlers for reference year 2023 was performed by GISSCO. Groundwater and soil tested showed no exceedances.

14. Sewage treatment and disposal



Sewage

Sewage network to the municipal waste water treatment plant (WWTP)	NO
Autonomous airport's waste water treatment plant (WWTP)	YES*

*Due to the maintenance/upgrade works the WWTP operation has ceased and sewage transported to Vonitsa WWTP via tank trucks. The WWTP restarted in September 2023 and normal operation began in January 2024.

Blue water

Collection and disposal:	
Collection in watertight tank and disposal to the municipal sewage network.	

Waste water treatment plant description (where applicable) Description of characteristics and condition of the airport's WWTP including possible problems. Type and frequency of the effluent quality measurements.

Degree of treatment of airport's WWTP	Tertiary treatment & chlorination
Treatment method	Prolonged ventilation
Disposal of treated wastewater	Drain ditch to the Ionian Sea based on Joint Ministerial Decision KYA 328925/7912 (Government Gazette 35/Δ/2017)
Sludge disposal	Landfill
Sampling frequency of WWTP effluent	Monthly based on the decision determining the recipient
Parameters analyzed	BOD, COD, TSS, T. Coliforms, E.coli, pH, Dissolved Oxygen, Grease and Oils, Residual Chlorine
Summary of quality of WWTP effluent	The WWTP effluent quality is within the limits set out in the decision specifying the recipient

