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American Academy Alumni Foundation

Corporate Environmental Statement [01/01/2021 - 31/12/2021]

AAAF_EMS_004

| APPROVAL | NAME / TITLE | DATE | SIGNATURE |
|--------------|--|------------|-----------|
| Prepared by: | Quality Newsgen Newsge | 20/09/2022 | 101 |
| Reviewed by: | Michalis Miltiades Chief Executive Officer | 10/1/13 | John |
| Approved by: | Elena Patsalou – Kyriakidou Chairwoman Board of Directors | 13/1/23 | # |

AMERICAN ACADEMY ALUMNI FOUNDATION





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1. INTRODUCTION

This Environmental Statement provides stakeholders and interested parties with information related to the environmental performance and activities of American Academy Larnaca in year 2021. This is the 2th environmental statement to be validated under the EMAS scheme.

1.1. Environmental Statement Outline

This document has been drafted in accordance with EMAS III standards, included Annexes I, II and III amended in 2017 and is available on our website. The data contained within this Environmental Statement relates to the reporting year 01 January 2021 to 31 December 2021. The following information/ data are presented in this statement.

- Clear and unambiguous description of the organisation, a summary of its activities, operations and services;
- The Organisation's environmental policy;
- Brief description of the environmental management system of the organisation;
- Description of all the significant direct and indirect environmental aspects which result in significant environmental impacts of the organisation and an explanation of the nature of the impacts as related to these aspects;
- Description of the environmental objectives and targets in relation to the significant environmental aspects and impacts;
- Summary of the data available on the performance of the organisation against its environmental objectives and targets with respect to its significant environmental impacts. The data should allow for year-by-year comparison to assess the development of the environmental performance of the organisation;
- Other factors regarding environmental performance including performance against legal provisions with respect to their significant environmental impacts;
- A reference to the applicable legal requirements relating to the environment;
- The name and accreditation number of the environmental verifier and the date of validation.
- Organisation contact details.



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1.2. About American Academy Larnaca

American Academy is a leading private elementary and secondary education institute, established in Larnaca at the beginning of the 20th century. The Organisation's facilities were designed and are continuously upgraded in order to provide a comprehensive education environment coupled with welfare, sport and recreation facilities established in the school premises.

- Classrooms, science laboratories, art classes
- Indoor and outdoor playfields and playground facilities
- Indoor theatre

American Academy Larnaca operates fully functional administration, asset management, maintenance and housekeeping departments. In its current form, the main departments are

- Governance
- Senior School
- Junior School
- The Institute
- Sports Academy
- Summer School
- Alumni

The Organisation's establishment and organisation fully supports the academic functions, the sports academy and summer school activities throughout the year. In academic year 2021 – 2022 American Academy's personnel and student daily/ frequent attendance was

Table 1.1: American Academy Larnaca, Manpower and Students

| Persons | Faculty/ Sector | | | |
|-----------------------|-----------------|---------------|---------------------|----------------|
| attending premises | Senior school | Junior school | Afternoon institute | Sports Academy |
| Students | 885 | 283 | 300 | 180 |
| Staff | 78 | 43 | 26 | 2 |



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2. ENVIRONMENTAL POLICY

The Academy's motto is 'To Grow and To Serve' and our vision is to develop responsible citizens who contribute positively to the community. As such the American Academy Alumni Foundation is aiming to provide an example to its students whilst also thrusting them into an environmentally conscious mentality.

In the context of the implementation of the environmental management system, we are committed to minimizing the impact on the environment that stems from the various services we provide and to ensure its ongoing protection.

This will be done by monitoring the use of resources used for the operation of the Academy, and also by the continuous goal of improving our environmental footprint by decreasing the utilization of natural resources and reducing the waste we produce.

To achieve this goal, American Academy Alumni Foundation is committed to the following:

- Development, implementation and continuous improvement of the Environmental Management System (EMS) in accordance with European Regulation 1221/2009 (EMAS).
- Continuous identification and evaluation of environmental aspects and impacts arising from its activities with the ultimate goal and objective of pollution prevention and environmental protection.
- Compliance with European and National legislation concerning its environmental aspects.
- Monitoring its suppliers / contractors and visitors to ensure they comply with all environmental regulations and standards upheld by the academy.
- Providing employees and students the opportunity to participate in environmental decisions that affect them.
- Defining and reviewing environmental management objectives ensuring the continuous improvement of the EMS.
- Optimisation of resource allocation and promote our students involvement in setting environmental objectives and improve our environmental performance.
- Reduce energy consumption and increase the Renewable Energy penetration in our facilities.
- Continuously control our waste inventory at source and ensure continuous improvement in them by further promoting recycling and other waste minimization methods and by introducing further improvements to our waste management system.
- Continuous training of its staff in creating an environmental culture.

This policy is reviewed by management reviews to ensure its adequacy and is available to all stakeholders.

Michalis Miltiades

Chief Executive Officer

Elena Patsalou Kyriakidou

President, Board of Directors

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3. ENVIRONMENTAL MANAGEMENT SYSTEM OUTLINE

3.1. Context and Purpose of the EMS

An Environmental Management System (EMS) is a systematic approach for managing an organization's environmental issues and opportunities. The system design is compliant to the requirements of European Community Regulation EC 1221/2009 for the voluntary participation by organizations in a Community Eco-Management and Audit Scheme (EMAS) and at the same time, satisfying the requirements of the International Standard ISO 14001:2015.

The implementation of an appropriate EMS across American Academy Larnaca will be used as a mechanism, to broaden the scope of the current environmental management processes that are used to manage the environmental aspects of the organisation's estate, student community and staff. The EMS policies, procedures and methodologies shall be enforced, executed and evaluated at regular intervals.

The EMS Scope has been determined to be in respect of 'Providing Quality Education to students of the Junior and Senior School, Sports Academy, the Institute and Summer School, including activities of Arts, Socials and Environmental Awareness'

Mr. Simos Nicolaou, organization's Health, Safety, Security and Environmental Officer was appointed by the Chief Executive Officer as Management Representative. The organization's policies and practices, including this corporate environmental statement shall be prepared, planned and executed by the Management Representative assisted by the personnel delegates, already appointed in the health, safety and environment committees.

3.2. Organisational Structure

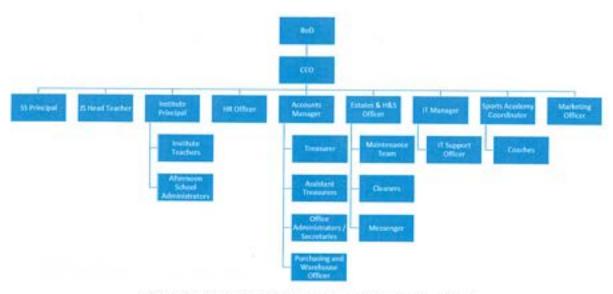


Figure 1.1: American Academy Larnaca, Organisation Structure



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4. ENVIRONMENTAL ASPECTS IDENTIFICATION AND EVALUATION

4.1. Environmental aspects and impacts identification and evaluation

Environmental aspects include those direct aspects arising from Organisation's activities, operations and services provided and those indirect aspects that may be experienced from activities performed by associates such as contractors and suppliers.

Aspects within the defined scope of the Environmental Management System with regards to resource inputs to each process / activity, the intermediate effects and the outputs for past, present and future activities, under normal operating conditions and any reasonably foreseeable situations are considered.

The environmental aspects are identified with respect to the major operations and activities undertaken. The aspects identified from business activities and office activities are consolidated to form the Register of Environmental Aspects (Appendix A, Environmental Review').

The Organisation's environmental performance (baseline condition) is outlined in the Environmental Review Report.

4.2. Environmental aspects evaluation - Methodology

Essential to the planning process is the methodology for the identification of the environmental aspects emerging from the Organisation's activities, operations and services. Environmental aspects are the actual or potential interactions of the activities, operations and services at the Organisation's premises with the environment including those delegated/assigned to associates and sub-contractors. This requirement implies an ongoing process for assessing environmental risks and opportunities, risks of environmental impacts and opportunities for eco-efficient utilization of natural resources, waste management and disposal.

This calls for a systematic and thorough process for the identification of the environmental aspects and a process for the prioritization of their importance. The methodology utilised to determine the significance of the environmental impacts is based on four fundamental parameters:



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Table 4.1: Risk Ranking Classification

| | Description |
|------------|---|
| (E) | Evaluation and quantification (where feasible) of the potential effects to the environment as a result of the activities/operations/processes and impact assessment for environmental components identified during the EMS study. |
| (D) | Effect duration classification of the activities/operations/processes involved. |
| <u>(L)</u> | Assessment of legal frameworks emerging from activities/ processes as well as third party objectives (e.g., NGO's). |
| <u>(S)</u> | Focus on nearby communities' concerns, as well as (in some cases) businesses/ facilities operating in the greater area. |
| | (D) |

Environmental Impact Severity

The Environmental Impact Severity [EIS] classification and risk ranking is listed in the Table 9.1 below. Whereas a numerical value of 1 is assigned, designates the lowest critical in risk ranking scale whereas 5 indicate the highest.

The numerical sum of all four environmental risk factors represents the **Environmental Impact Severity (EIS)** for each aspect identified and evaluated, classified and quantified during the Environmental Risk Assessment process.

Environmental Impact Severity (EIS) = E+D+L+S [added score]

Table 4.2: Risk Ranking Classification

| FACTOR | RISK RANKING | | | | |
|----------------------------|--|--|---|---|---|
| FACTOR | 1 (Lowest) | 2 | 3 | 4 | 5 (Highest) |
| Impact Effect (E) | Insignificant. No corrective actions necessary. | Limited. Impact confined within premises. Action/ control required. | Considerable. Contained environmental damage that may have extended outside premises. | Serious. Uncontained off- site environmental damage. Notification to Authority required. | Major / catastrophic. |
| Impact duration (D) | Momentary | Short term (1 month) | Medium term (1 year) | Long term (Lifecycle) | Long term (> Lifecycle) |
| Legal (L) | No third party or government concern | No complaint from third parties or Government. Warning letter from Authority. | Concern raised from third parties or Government. Regulatory enforcement action (e.g. fine, notice, order) | Significant alarm raised by third parties or Government with instructions to mitigate. Civil Prosecution. | Immediate intervention by third parties or Government, Possibly criminal charges |
| Societal aspects (S) | Possible community focus. No Community Complaints. | Some community concern raised. An isolated Community Complaint received. | Considerable community concern. Repeated community complaints. Local Media Interest. | Regional Media Interest. Serious community concern and complaints. | High profile outrage. National Media Interest. |



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Table 4.3: Environmental Impact Severity – Classification

| Environmental Impact Severity (EIS) | Impact Criticality | Recommended Action |
|--|-----------------------------|--|
| 17 – 20 | Major / Extremely severe | Immediate application of mitigation and control measures (within 3 month interval) |
| 12-16 | Serious / Severe | Application of control and mediation measures (within a year interval) |
| 8-11 | Moderate | Non immediate remediation and mitigation measures are required |
| 4-7 | Negligible | No action required |

4.3. Environmental Performance Improvement Target Setting and Monitoring

Whereas an EIS is evaluated as either 'Major' or 'Serious' (reference table 4.3) an environmental performance improvement target must be set, followed by the appointment of the person responsible and the timeframe for the development and implementation of the proposed impact reduction measures.

The baseline conditions (year 2021), using the assessment methodology listed in section 4.1 are included in the Environmental Review 'Annex A'.

4.4. Environmental Aspects Review

- The Environmental aspects review and assessment processes may be revised in cases such as:
- Upon implementation of the recommended control and mitigation measures. Once the process is revised, the EIS score may be either reduced or increased. Whereas EIS is increased, it is expected that additional control and mitigation measures shall be recommended;
- In the event of an environmental incident;
- Whereas a new facility is commissioned or an existing building/ facility is upgraded;
- Whereas a new operating procedure is generated or an existing one is updated;
- Whereas waste quantities are increased or waste quality/ composition is altered;
- Whereas new legislation is introduced that directly affects activities and operations conducted by the Institution.

Revision process shall always be documented in the 'Environmental Aspect and Impact Review' documents, in accordance to evaluation methodology listed in section 4.1, indicating changes and improvements in environmental performance.



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4.5. New Activities

In case new activities will be carried out (the reasons are mentioned above, under the heading "Environmental aspects review"), appropriate people from the management will proceed to the identification and evaluation of their environmental aspects and effects in the form "Environmental aspects review" where document possible control measures.

4.6. Environmental Impact Assessment Legislation

Whereas the new development and/or new activities is governed by the provisions stated in the relevant legislation (currently N127(1) 2018, Environmental Impact Assessment Law), an Environmental Impact Assessment study shall be conducted and submitted to the Department of Environment.

Whereas the EIA study is prepared by an external consultant/ associate, the impact assessment methodology may differ from the methodology adopted for the purpose of the EMS. Regardless of the impact assessment methodology adopted by the third party for the preparation of the EIA, the environmental aspect identification and evaluation process shall be assessed in accordance with the provisions stated in the Environmental Statement

4.7. EMAS environmental management system verification

Once the EMS is fully compliant to the mandatory requirements that govern the EMAS certification scheme, the Institution's *Environmental Statement* is prepared, on an annual basis.

The "Environmental Statement" shall be validated by an Approved Independent Certification and approved by the Department of Environment. The database of EMAS registered organizations is maintained by the Department of Environment.



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5. ENVIRONMENTAL ASPECTS REVIEW

The environmental aspects and the evaluation of environmental impacts related to the activities and operations conducted by American Academy Larnaca as identified, are listed in Table 5.1.

Table 5.1: Environmental Aspects

| Section | Environmental Aspect | Environmental Aspect | Aspect Evaluation |
|---------|--|--|-------------------|
| 5.2 | Natural resources | Utilisation, consumption | Significant |
| 5.3 | Geology and Soil | Pollution, contamination | Not Significant |
| 5.4 | Water resources | Pollution, contamination | Not Significant |
| 5.5 | Ambient air quality | Emissions, pollution | Significant |
| 5.6 | Ozone layer | Negative effect – depletion | Significant |
| 5.7 | Biodiversity, Flora and fauna | Negative effect | Not Significant |
| 5.8 | Archaeological sites, religious and cultural heritage monuments | | Not Significant |
| 5.9 | Ambient noise and vibration | Increase | Not Significant |
| 6 | Waste (solid and liquid waste) | Generation, management and disposal | Significant |

Consumption of natural resources, solid waste generation and pollutants emissions were identified as significant impacts. Environmental performance improvements were defined and targets set are further elaborated in section 8.

Year 2020 records indicate a variation in the actual utilities and natural resources consumption, as a result of the COVID-19 pandemic. Corresponding to government decrees, public safety concerns, and public safety, protocols were established and implemented, in accordance to recommended procedures released by the Ministry of Health and instructions issued by the Ministry of Education. American Academy Larnaca classroom and administrative operations were suspended for a period of time, as mandated by decrees issued by the Government and subsequently, for a period of time has operated with limited staff and student attendance.



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5.1. Potable water consumption

American Academy facilities are connected to the Municipal potable water distribution grid. The annual potable water consumption at the Organisation's facilities is listed in table 5.2 below.

Table 5.2: Potable Water consumption (Year 2021)

| FACILITIES | MAIN USE | (YEAR 2020) | |
|---|--|----------------------|--|
| Administration offices Main Buildings (academic) Sports facilities Maintenance, Housekeeping | Hygiene Facilities Sports facilities Kitchenettes Science Laboratories Maintenance, Housekeeping | 2.932 m ³ | |

Maintenance personnel conduct regular inspections and leakages/ malfunctions reported are rectified. This aspect was evaluated as non-significant.

5.2. Storm Water Drainage

Facilities storm water collection and disposal network is connected to the Municipal storm water drainage grid. This aspect was evaluated as non-significant.

5.3. Electric Power Consumption

American Academy facilities are connected to the National power distribution grid. The Organisation's power requirements are effectively met whilst a significant contribution towards the reduction of the overall energy bill, is met by

- Installed Photovoltaic Units
- Energy conservation measures implemented.

Power consumption is directly related to the Organisation's operations and activities, and is also significantly affected by the prevailing environmental conditions as well as activities planned. The electrical power consumption for year 2021 is listed in table 5.3. The positive contribution of the photovoltaic systems is listed in table 5.4. Table 5.5 lists the savings in energy attained in space heating and cooling, in the form of geothermal unit thermal output. The geothermal unit services Memorial Hall and the canteen.



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Table 5.3: Power utilization and consumption

| FACILITIES | MAIN USE | (YEAR 2021) |
|---|--|--|
| Administration offices | Space heating, Space cooling | 230,312 kWh |
| Main Buildings (academic) Sports facilities, playgrounds Outdoor areas Lighting Server Room Maintenance, Housekeeping | Lighting Equipment running Office equipment running Laboratory equipment running Refrigeration | [196,752 kWh από το δίκτυο] [33,560 kWh from Photovoltaic systems] |

Table 5.4: Power generation - Photovoltaic Units installed

| FACILITIES | MAIN USE | PRODUCTION (YEAR 2021) | |
|---|--|--|--|
| PV unit 1, Memorial hall - 5 kW installed. PV unit 2, Sport's Centre - 10.2 kW installed. PV unit 3, Junior School - 10.2 kW installed. | Space heating, Space cooling Lighting Equipment running Office equipment running Laboratory equipment running Refrigeration | PV Unit 1: 7,200 kWh PV Unit 2: 15,700 kWh PV Unit 3: 17,860 kWh | |

Table 5.5: Thermal power generation - Geothermal Unit

| FACILITIES | MAIN USE | (YEAR 2021) |
|-----------------|------------------------------|-------------|
| Geothermal Unit | Space heating, Space cooling | 39,000 kWh |

Renewable energy units' production accounts for a total of 79,760 kWh and corresponds to 40.53% of the total electric energy consumption of the facilities. In addition to the increased renewable energy sources contribution to the Organisation's energy balance, Asset and Maintenance departments regularly asses electric powered equipment and lighting units performance, replacing high energy consuming and poor performance devices.

Electric power consumption reduction, associated with energy conservation and maximisation of renewable energy sources penetration is regarded as a high priority, significant environmental aspect.

5.4. Fossil Fuel Consumption

Fossil fuel consumption is primarily associated with

- Diesel, for space heating purposes
- · Automotive diesel for general use vehicle, gasoline for motorbike
- LPG utilized at science laboratories (not significant quantities utilized, less than 10kg per year)



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The fossil fuel storage facilities are listed in table 5.6 below. A total of 4 hot water boilers were operational in year 2021, heating diesel consumption is listed in table 5.7.

Table 5.6: Fossil fuel storage - heating boilers

| BOILER | POWER IN KW | LOCATION/ PURPOSE | STORAGE (m³) |
|--|-------------|----------------------|--|
| Bongioanni KZHR T04 188cm | ■ 398kW | Weir hall | * 3.0 |
| Bongioanni KZHR T04 152cm | ■ 304kW | Memorial Hall | * 1.5 |
| ■ Saint ROCH couvin, 95cm | ■ 109kW | Sports Center | • 0.5 |
| Bongioanni KZHR 77cm | • 104kW | Brotherhood Building | Removed from Service year 2021 |
| VIADRUS G300-8 / Nurner RIELLO, output 95-296 KK | ■ 172kW | Junior School | • 3.0 |

American Academy does not operate school buses, maintains 1 vehicle and 1 motorcycle. Refuelling of the Organisation's vehicles is taking place at adjacent petrol stations. Fuel consumption for year 2020 is listed in Table 5.7 below.

Table 5.7: Fossil fuel consumption

| MEDIUM | LOCATION/ PURPOSE | CONSUMPTION (YEAR 2021) |
|---------------------------------------|-------------------|----------------------------|
| Heating Diesel | Space Heating | 6,000 litres |
| Automotive Diesel | Vehicles | 581 litres |

American Academy Larnaca aims, as far as reasonably practicable, to reduce fossil fuel consumption and adverse environmental impacts associated with fuels consumption. In this context, the 104kw hot water boiler, its fuel tank and flue gas stack that serviced Brotherhood building was removed from service in year 2021. The building's space heating and cooling demand is now met with new, energy efficient split unit air conditioning units.

Reduction in heating diesel consumption is considered as a significant environmental aspect.

5.5. Paper and Office Consumables

Data distribution in digital format (emails, memos, documents etc) has significantly contributed towards reduction of paperwork for office and administration works.

Printed material for Academic purposes comprises the most significant part/ percentage of paper utilisation at American Academy. The current consumables purchasing system does not, at the moment distinguish between quantities used for administrative and academic purposes.



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Table 5.8: Paper and office consumables consumption

| MEDIUM | LOCATION/ PURPOSE | CONSUMPTION (YEAR 2021) |
|-------------------------------|--|--------------------------------------|
| Paper (A4, A3) | Administration Academic (Teaching) | 4716 packages (of 500 pages each) |
| Office Consumables | | |
| Office Machinery (toner, ink) | • | Primarily, photocopy machines |

Savings in paper utilisation is a significant environmental aspect. Starting from year 2021, reduction in paper consumption for administrative purposes will be pursued, aiming a 2% reduction.

5.6. Solid and Liquid Waste

American Academy Larnaca fully complies to National Legislation requirements and maintains appropriate waste segregation and handling and disposal records. The organisation's solid waste inventory, waste handling, treatment and disposal method are listed in Table 5.9.

Table 5.9: Solid waste inventory, handling treatment and disposal method

| Waste Description | Classification | Waste Handling, treatment and disposal method | |
|--|---|--|--|
| Paper | Non-hazardous | 4-40 M MATERIAL STATE CONTRACT | |
| Plastic Office supplies Stationary | Non-hazardous | Placed in dedicated bins. Collected by Green Dot. Recycling. | |
| Domestic waste (office, caretaking and cleaning consumables etc.) Municipal waste Welfare and rest room facilities | Non-hazardous | Glass is placed in dedicated bins, Collected by Green Dot. Recycling. MSW placed in dedicated bins and are collected by Municipal Services. | |
| Toner cartridges (fax and copier machines) Ink cartridges (printers) | Non-hazardous | Submitted to vendor, A. Tsiakkastel. Recycling. | |
| Dry cells, batteries (size AA, AAA) | Hazardous | Placed in AFIS containment. Collected by IESC. | |
| Wood components (e.g. furniture) | Non-hazardous | Transferred to Central Collection Point, Larnaca. | |
| Metal, ferrous and non-ferrous components | Non-Hazardous | Placed in dedicated bins. Collected by Green Dot. Recycling. | |
| Electrical and electronic equipment | HazardousNon-hazardous | Transferred to Central Collection Point, Larnaca. | |
| Lighting consumables (lamps, fluorescent lamps) | Hazardous | Transferred to Central Collection Point, Larnaca. | |



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| Vehicle tyres | Hazardous | Submitted to Licensed Waste Handling Facilities by the Vendor. |
|--|---|--|
| Vehicle batteries, parts | Hazardous | Submitted to Licensed Waste Handling Facilities by the Vendor |
| Packaging Materials | Non Hazardous | Transferred to Central Collection Point, Larnaca. |
| Science Laboratory consumables and containments | Non Hazardous | Thoroughly cleaned and disposed |
| Spare parts and consumables (maintenance activities) | HazardousNon Hazardous | Non-contaminated recyclates segregated. Contaminated/ hazardous waste, handled by contractors |
| Cut vegetation, dry leaves, tree pruning | Non Hazardous | Transferred to Central Collection Point, Larnaca by Contractor. |

The liquid waste inventory, handling treatment and disposal method are listed in Table 5.10.

Table 5.10: Liquid waste inventory, handling treatment and disposal method

| Waste Description | Classification | Waste Handling, Treatment and disposal Method |
|--|--|--|
| Domestic and hygiene effluent | Non-hazardous | Municipal Sewage System. |
| Rainwater, storm water | Non-hazardous | Municipal storm drainage system. |
| Lubricants, grease, paint | Non-hazardous Hazardous | Submitted to licensed facilities by maintenance contractors. |
| Water diluted solutions of cleaning agents, detergents | Non-hazardous | Municipal drainage system. |
| Laboratory chemicals, consumables | Non-hazardous Hazardous | Submitted to licensed facilities as appropriate. |

Quantities of hazardous waste generated at American Academy Larnaca are limited, and are mostly associated with maintenance and repair activities of fixed and mobile assets. Solid waste recycling is fiercely promoted in both, administrative and academic level.

American Academy Larnaca utilises existing established facilities and services for the effectively handling and disposal of solid waste produced. In this context, continuous effort is made in recyclable material segregation, at source, and full utilisation of the services offered by Green Dot, for the collection and handling of paper, plastic, glass and metal consumer solid waste.

In addition, American Academy utilises own and contracted resources for the transfer of bulky items such as electrical and electronic devices, lighting units, cardboard packaging, wooden and metal furniture, grass and tree pruning waste to the Municipal Central Collection Point.



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Management by vendor and/or back to base principle applies for the handling of hazardous solid and liquid waste generated during equipment, machinery and vehicles maintenance activities.

American Academy Larnaca introduced and plans to further expand the idea to operate, as a collection and temporary storage of small sized/ small quantity, domestic generated hazardous waste. In this context, AFIS collection points are placed at convenient locations at our facilities, enabling students and employees to dispose used batteries/ dry cells. These are collected, at frequent intervals by IESC, a licensed hazardous waste collection and treatment facility.

Waste generation is evaluated as a significant environmental aspect. American Academy Larnaca objective is to further improve in waste segregation and recycling process in order to reduce waste quantities diverted to landfill and treatment sites.

5.7. Pollutant and Gas Emissions

Pollutant emissions are primarily attributed to fossil fuel combustion in hot water boilers used for space heating and vehicles. etc. The use of refrigerants and other industrial gases (such as those used in science laboratories) also have a negative effect on atmospheric air quality, as listed in *Table 5.11*.

Table 5.11: Pollutant and Gas Emissions

| Process/ Location | Emissions |
|---------------------------------|--|
| Vehicles | Flue gas emissions from vehicles and diesel fired boilers: CO (Carbon Monoxide) CO ₂ (Carbon dioxide) from diesel vehicles: NO _x (Nitrogen Oxides) SO _x (Sulphur Oxides) PM ₁₀ (Particulate matter) PM _{2.5} (Particulate matter) Unburned hydrocarbons Vehicle undergoes MOT inspection and combustion efficiency as well as pollutant emissions are checked. Similarly, it undergoes service/maintenance at authorised garages at prescribed intervals. |
| Diesel Fired Heating Boilers | Dust CO (Carbon Monoxide) CO2 (Carbon dioxide) SOx (Sulphur Oxides) PM10 (Particulate matter) Diesel fired boilers are checked every 24 months |
| Refrigerants (A/C Units) | R410A, R410, R22, R32, Greenhouse gases. The A/C split units and geothermal units are checked on an annual basis by certified technicians maintenance crew and approved/ certified contractors and vendors. |



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5.7.1. Carbon Dioxide Footprint

The American Academy's Carbon Dioxide emissions Footprint for year 2021 was estimated based on Exeter University formula, considering that a large proportion of diesel consumption was utilised for space heating purposes.

Carbon Dioxide and Carbon emissions footprint (year 2021)

CO₂ emissions, year 2021: 18.360 metric tonnes of CO₂ (combustion process)

CO2 emissions, year 2021: 139.693 metric tonnes of CO2 (electric power consumed)

Pollutant emissions to the environment are not excessive, but are evaluated as significant environmental aspect. Emissions reduction is the driving force towards reducing fossil fuel consumption and also, increasing Renewable Energy Source installation and utilisation at the school's premises.

5.7.2. Ozone Layer

American Academy maintains a number of A/C units (split units) utilising R400 and R30 series refrigerants in service. Adequate maintenance and condition monitoring is conducted, and no refrigerant leaks were recorded by the maintenance team. The Organisation has developed an A/C units replacement schedule, which is currently monitored and implemented by Maintenance Department.

This is a significant environmental aspect. All space cooling units are consistently checked for refrigerant leakage and their performance is closely monitored by the maintenance department. Energy consuming, poorly performing and CFC refrigerant containing space cooling units are considered high priority items in the asset replacement plan.

5.7.3. Dust

Dust emissions originate from unpaved areas, within the boundaries of American Academy Larnaca land plot boundaries. None of the routine activities conducted at the premises may cause airborne dust particulates release to the environment. Vehicle movements never take place in unpaved areas. This environmental aspect was evaluated as not-significant.

5.7.4. Indirect Emissions to the Environment

Emission related to daily student transport, extracurricular activities (such as school excursions, school events, parents visits, vendors and suppliers etc) cannot be quantified.



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5.8. Ambient Noise and Vibration

Noise and vibration impact related to American Academy operations is not significant as far as teaching, administration and playground activities are concerned. There are no machinery and equipment operating outdoors. This environmental aspect was evaluated as not-significant.

5.9. The Use and Storage of Hazardous Substances and Chemicals

Chemicals and hazardous substances, at very limited quantities (lubricants, cleaning agents, solvents, grease etc) are stored at maintenance section and these are used during preventive/ routine maintenance works by American Academy's technical personnel. The consumption of these substances is directly related to the maintenance needs that may arise but overall, limited quantities are utilised on an annual basis.

Small quantities of chemical substances and gases are stored at science laboratories storage facility. Cleaning agents contain weak chemical solutions of hazardous chemicals and their use is usually planned. Housekeeping maintains safe storage of these substances. There are no records related to the consumption, usage and disposal for cleaning agents.

Safety Data Sheets (SDS) are kept for substances used by maintenance and science department. SDS are kept by each department and HSSE Officer. Disposal of hazardous substances is in accordance to protocols implemented by each department. Waste Transfer Notes (WTN) are kept by the HSSE Officer.

This environmental aspect was evaluated as not-significant.

5.10. Biodiversity

American Academy Larnaca premises are established in a 27,472 m2 plot. Buildings occupy approximately 6,054 m2 (corresponding to a total percentage of 22.2% plot coverage). An uncovered/ outdoor area equal to 19,100 m2 mostly concrete or asphalt paved areas (70.1%). An area of 2,093 m2 is mostly landscaped unpaved area (7.7%).

This environmental aspect was evaluated as not-significant.

5.11. Action Plan for Emergencies Handling



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American Academy Larnaca has developed and implements an Action Plan for Emergencies Handling. The Action Plan was updated to include environmental incidents that may be experienced at the premises. During September 2021, an exercise was conducted, for the effective handling of a diesel spillage incident at fuel tank NoXX.



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6. ENVIRONMENTAL PERFORMANCE

Organisation's management has defined Performance Indicators, in order to enable environmental performance monitoring and the effective implementation of the targets and objectives set. Performance indicators is the quantifiable parameter selected over

- Total number of American Academy Larnaca students and staff, full time, daily attendance
- Total number of students (full time daily attendance plus students and teachers attending sports academy and the institute).

3.

| | Consumption/ | Students and Staff | Consumption/ Students and Staff | | |
|---|--------------------------------------|---|--------------------------------------|--|-------------------------|
| Parameter | Senior and Junior Schools 2020 | Senior and Junior Schools + Athletic Academy and Institute 2020 | Senior and Junior Schools 2021 | Senior and Junior Schools + Athletic Academy and Institute 2021 | Comparison 2021/2020 |
| Potable Water | 2.357 m ³ | 1.744 m³ | 2,159 m3 | 1.597 m3 | -8,43 |
| Electric Power (from the grid) | 144.558 kWh | 106.980 kWh | 144,883 kWh | 107,221 kWh | 0,22 |
| Fossil Fuel (space heating and vehicles) | 8.839 Litres | 6.541 Litres | 4,418 Litres | 3,269 Litres | -50,01 |
| Paper (academic and administration) | 6.157 kg | 5.910 kg | 7,986 kg | 5,910 kg | 29,70 |
| Biodiversity (unpaved areas) | 2.137 m ² | 1.580 m ² | 2,137 m2 | 1.580 m2 | 0,00 |
| CO ₂ Emissions ([fossil fuel combustion] | 0.023 | 0.017 | 0,013 | 0,010 | -42,92 |
| CO ₂ Emissions ([electric power] | 0.102 | 0.075 | 0,102 | 0,076 | 0,22 |
| Energy Saving — Geothermal | 27.982 kWh | 20.708 kWh | 28,71 kWh | 21,25 kWh | 2,63 |
| Energy Saving – Photovoltaic System | 16.818 kWh | 12.446 kWh | 30,01 kWh | 22,21 kWh | 78,45 |

4.

Waste paper generated from administration and management activities shall be separately listed in year 2021 Environmental Statement. Gradual reduction in paper utilisation for administrative purposes was one of the environmental targets set for year 2021.



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7. EVALUATION ENVIRONMENTAL TARGETS AND OBJECTIVES 2021

Environmental targets and objectives for year 2021 were set as follows:

Reduction in electricity consumption by 2%

The objective is the gradual replacement of energy consuming devices with new technology units. Electrical devices such as air condition units and overhead projectors are currently evaluated and replacement options are appraised, in order to achieve this target. Despite replacing eight old air conditioners with new ones, the target was not achieved. During 2020, for long periods of time, the school unit was closed for epidemiological reasons. Energy consumption was reduced, the year 2020 cannot be used as a benchmark.

Person Responsible: HSSE Officer/ Maintenance.

Completion Target: December 2021.

2. Maintenance planning and statutory equipment inspection and testing

Critical and statutory rated equipment and systems shall receive higher ranking and implement separate provisions concerning their inspection and maintenance requirements. All electromechanical systems are maintained on the basis of a maintenance program in accordance with the provisions of legislation, good practices and manufacturer's instructions.

Person Responsible: HSSE Officer/ Maintenance

Completion Target: August 2021-08-30

Air quality aspects - Pollutants emission reduction

Reduce fuel consumption for space heating purposes and evaluate reliable technology options for the hot water boiler systems. In view of this, electric powered systems shall be fully utilised for space heating requirements for Brotherhood building and hot water boiler operation shall be suspended. The reduction observed in relation to the previous year is large (50%) and does not reflect the actual reduction which is estimated at 20%. The remaining percentage concerns the time period of fuel supply which was shifted during the first months of 2022 when the outside temperature was at levels that required the use of the boilers.

Person Responsible: HSSE Officer/ Maintenance

Completion Target: Completed. June 2021.



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Air quality aspects – Maintenance and planned replacement of old A/C split units

Strict adherence to the old A/C units' gradual replacement plan, set by Maintenance Department. A/C units containing series R30 and R400 refrigerants will be gradually replaced. A total of eight old air conditioning units have been replaced as part of the gradual replacement of air conditioning units.

Person Responsible: HSSE Officer/ Maintenance

Completion Target: Ongoing

5. Buildings Energy Performance

The buildings energy performance will be assessed upon completion and approval of the new American Academy facilities Masterplan. Environmental friendly options, to achieve energy conservation, emissions reduction and materials utilisation will be evaluated, especially for Weir Hall, our Landmark Building. The masterplan has been approved by the organization's Board of Directors and will be implemented gradually in four phases.

Person Responsible: HSSE Officer/ Maintenance

Completion Target: Upon American Academy Masterplan concept approval.

6. Waste Segregation and Management

Aiming to increase recyclates collection and reduce mixed volume Municipal Solid Waste (MSW), the purchase of additional paper recycling bins is deemed necessary. These will be placed at Memorial Hall classes. A total of 21 bins, with a capacity of 25 liters each, will be placed in the Memorial Hall building. Also, 12 bins, with a capacity of 25 liters each, will be placed in the Junior School classrooms. In addition, the total capacity of the paper recycling bins in the administrative buildings will increase from 480 liters to 900 liters. In total, the capacity of paper recycling bins, for the year 2021, will increase from 780 to 2025 litres, a total increase of 160% in the possibility of collecting waste paper. During 2021, 14 paper recycling bins (25lt) have been installed in all Junior School classrooms, 6 paper recycling bins (75lt) have been installed in all locations where large printing machines are located and an additional 8 PMD recycling bins (75lt) have been installed in the school yard.



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Person Responsible: HSSE Officer/ Maintenance

Completion Target: December 2021.

Reduce paper consumption for Administrative purposes by 5%.

Work methodologies practiced during the COVID-19 period and procedures implemented to enable remote working shall be further utilised, in order to achieve a 5% paper reduction for Administrative purposes. The observed increase and the non-achievement of the target is due exclusively to the fact that during 2020, for long periods of time, the school unit was closed for epidemiological reasons. Paper consumption was reduced, the year 2020 cannot be used as a benchmark.

Person Responsible: Administration Manager

Completion Target: December 2021.



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8. ENVIRONMENTAL TARGETS AND OBJECTIVES 2022

Environmental targets and objectives for year 2022 were set as follows:

1. Reduction in electricity consumption by 1%

The objective is the gradual replacement of energy consuming devices with new technology units. Electrical devices such as air condition units and overhead projectors are currently evaluated and replacement options are appraised, in order to achieve this target.

Person Responsible: HSSE Officer/ Maintenance.

Completion Target: December 2022.

2. Maintenance planning and statutory equipment inspection and testing

Critical and statutory rated equipment and systems shall receive higher ranking and implement separate provisions concerning their inspection and maintenance requirements.

Person Responsible: HSSE Officer/ Maintenance

Completion Target: December 2022.

Air quality aspects – Maintenance and planned replacement of old A/C split units
 Strict adherence to the old A/C units' gradual replacement plan, set by Maintenance Department. A/C units containing series R30 and R400 refrigerants will be gradually replaced.

Person Responsible: HSSE Officer/ Maintenance

Completion Target: December 2022.

4. Waste Segregation and Management

Aiming to increase recyclates collection and reduce mixed volume Municipal Solid Waste (MSW), the purchase of additional paper recycling bins is deemed necessary A total of 16 bins (75lt), will be placed in the yard and will be PMD recycling bins.



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Person Responsible: HSSE Officer/ Maintenance

Completion Target: December 2022.

5. Reduce paper consumption for Administrative purposes by 2%.

Applying the practice of not printing unless this is not possible, using both sides of the paper.

Person Responsible: Administration Manager

Completion Target: December 2022.

6. Initiation of visits by elementary public school students and exchange of experiences regarding environmental management (mainly regarding the separation of recyclable materials at the source and its importance), the environmentally friendly systems the school has and the actions it plans. 200 students from 5 elementary schools are scheduled to visit the school unit.

Person Responsible: Administration Manager

Completion Target: May 2023.



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9. ENVIRONMENTAL PERFORMANCE AND COMPLIANCE TO REGULATORY PROVISIONS

9.1. Solid and Hazardous Waste Management

American Academy will fully comply with legislation requirements and maintains appropriate records. Solid waste handling, treatment and disposal is outlined in Table 5.9, section 5.6.

9.2. Liquid Waste Management

American Academy Larnaca facilities are connected to Larnaca Sewerage and Drainage network. Limited quantities of hazardous waste are submitted to licensed facilities. Solid waste handling, treatment and disposal is outlined in Table 5.10, section 5.6

9.3. Refrigerants and gases containing CFC/ HCFC's

The American Academy refrigeration, water coolers/ dispensers and space cooling/ Air Conditioning units are compliant to National Legislation requirements. In-house maintenance crew maintains necessary certification and credentials mandated by National Legislation.

9.4. Fluorinated Greenhouse Gases

The American Academy refrigeration, water coolers and space cooling/ Air Conditioning units are compliant to National Legislation requirements. In-house maintenance crew maintains necessary certification and credentials mandated by National Legislation. Certified external contractors provide technical support for the maintenance and performance monitoring of chiller and geothermal units.

9.5. Ambient Noise

No adverse effect or increase in ambient noise levels is experienced due to machinery operation and activities conducted at American Academy Larnaca premises.

9.6. Chemical Substances

American Academy Larnaca maintains, as outlined in relevant Health and Safety Risk Assessments and Work Instructions, procedures and suitable facilities for the safe storage and



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handling of hazardous substances. The limited quantities of chemicals are primarily used for science laboratory classes.

9.7. Emissions to the Environment

The hot water boiler servicing Brotherhood building operation was suspended in Spring 2021, as space heating and cooling requirements are now met with the use of brand new, energy efficient A/C split units, installed in year 2020.

Substantial reduction in pollutant emissions is also achieved at Memorial Hall, where the operation of the geothermal unit accounts for approximately 60% of the buildings heating requirements.

A total of four hot water boilers are now in service, for space heating purposes. Boiler's performance and efficiency is consistently checked at the intervals defined by the National Legislation and corrective actions are taken as appropriate.

9.8. Power Generation

A total of three, independent photovoltaic systems, are now in service at American Academy Larnaca premises, of 25.4 kW installed capacity.

| Power generation unit | Capacity | Exception Certificate/ Permit | |
|--|--------------------|-------------------------------|--|
| PV unit 1, Memorial Hall | 5 kW installed. | Exempted (5kW capacity) | |
| PV unit 2, Sport's Centre | 10.2 kW installed. | | |
| PV unit 3, Junior School – | 10.2 kW installed. | Exempted (Net metering scheme | |

The combined energy savings attributed to the combined operation of the Photovoltaic Units and the Geothermal System account for 40.53% of the total electric power consumed in year 2021.

9.9. Fuel Storage

There are three fuel storage tanks, servicing the four space heating boilers installed at the premises. Subject to year 2021 facilities inspection, fuel storage tank servicing Brotherhood Building and the Sports Hall were removed from service and new brand new storage tanks replaced existing ones, adjacent to Memorial Hall and Junior School. American Academy maintains fuel storage license.



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10. REGULATORY COMPLIANCE

10.1. Solid and Hazardous Waste Management

Governing Law: Laws for prevention and control of soil and water resources contamination. The waste law N. 185(I)/2011 that includes Amendments of the Law, relevant Regulations and Decrees issued under the above-mentioned laws. [Ο περί αποβλήτων νόμος του 2011, Ν. 185(I)/2011 και σχετικοί κανονισμοί όπως αυτοί τροποποιούνται.]

Ministry/ Department responsible

- Department of Environment: All waste types and categories other than those listed as Ministry of Interior responsibility.
- Ministry of Interior: Domestic waste. Waste emerging from excavation and demolition activities

- Waste Management Permit (issued by the Department of Environment) is necessary whereas Organisation is responsible for managing own waste resulting from activities and operations.
- Maintain records for the following
 - Copies of Licenses/ permits of contractors associated and are responsible for waste handling and disposal.
 - Permits validity and expiration date
- Considering the handling and disposal of hazardous waste, the following records will be kept
 - Hazardous Waste Register, maintained and updated by the Organisation [Μητρώο Επικινδύνων Αποβλήτων (Εντυπο νομοθεσίας το οποίο συμπληρώνεται από την ίδια την εταιρεία) – φυλάγεται στον Οργανισμό].
 - Waste Transfer Note (Retain receipt copies, for waste handled to third parties issued by licensed waste handling and disposal contractors) [Έντυπο «Αναγνώρισης και παρακολούθησης μεταφοράς επικινδύνων αποβλήτων» (έντυπο νομοθεσίας το οποίο συμπληρώνεται από τον παραλήπτη των αποβλήτων φυλάγεται στον Οργανισμό)].
- Considering the hazardous waste that may result from activities such as equipment, machinery and vehicles maintenance (at repair facilities or back to base activities) contractors must then make available to the Organisation the following:
 - Documents/ receipts indicating compliance to legislation requirements (e.g., WTN of hazardous waste submitted to licensed disposal facilities)
 - Hazardous waste in this category includes lubricants, tires, batteries, oil contaminated engine/machinery parts etc.



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10.2. Liquid Waste Management

Legislation/ Governing Law: Laws for prevention and control of soil and water resources contamination N.106(I)/2002 and amendment laws and the relevant Regulations and Decrees issued under the above-mentioned laws. [Ο περί ελέγχου της ρύπανσης των νερών και του εδάφους νόμος του 2002 και σχετικοί κανονισμοί όπως αυτοί τροποποιούνται]

Ministry/ Department responsible

1. Department of Environment

Requirements

- Obtaining permit for liquid waste rejection
- Permit exceptions include
 - Facilities already connected to sewage systems (hygiene facilities and liquid waste from kitchen/ hospitality facilities)
 - Hygiene facilities liquid waste to septic/disposal well (whereas connection to Sewage network is not available/ feasible)
 - Facilities, whose daily liquid waste rate is less than 2 Metric Tonnes, not containing substances that are listed in Law ΚΔΠ52/93.

10.3. Refrigerants and gases containing CFC/ HCFC's

Legislation/ Governing Law: Ozone Depleting Substances Laws, Law N.158(I)/2004, Law N.175(I)/ 2007, Law N.23(III)/ 2004 [Montreal Protocol Ratification], Law N.16(I)/2001, amendment laws, relevant Regulations and Decrees issued under the above-mentioned laws. [Ο περί ουσιών που καταστρέφουν τη στιβάδα του όζοντος νόμος].

Ministry/ Department responsible

1. Department of Environment

- Substances prohibited to be used in refrigeration/ space cooling processes. The
 provision applies to the manufacturing and the controls imposed in trading, use and
 collection of controlled CFCs (e.g., R12 refrigerant) and HCF's (e.g., R-22 refrigerants).
- The professional credentials concerning technicians/ maintenance professionals in the refrigeration/ air conditioning sector (as defined by the Department of Electromechanical Services)
- Air condition technicians/ maintenance professionals must obtain and maintain necessary permit, issued by the Department of Environment.



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10.4. Fluorinated Greenhouse Gases

Legislation/ Governing Law: European Regulation 517/2014 and its amendments.

Ministry/ Department responsible

- 1. Department of Environment
- 2. Department of Electromechanical Services

Requirements

- Air condition units are cleaned and maintained every six months.
- Whereas refrigerant loss/ leakage is detected, to be immediately rectified. Repair effectiveness and unit performance improvement to be validated within a month period.
- Air condition technicians/ maintenance professionals must obtain and maintain necessary permit, issued by the Department of Environment

10.5. Ambient Noise

Legislation/ Governing Law: The Basic Requirements (Noise Emissions to the Environment from Operating Equipment installed outdoors) R.A.A 535/2003 and its amendments. [Οι περί των Βασικών Απαιτήσεων (Εκπομπή Θορύβου στο Περιβάλλον από Εξοπλισμό προς Χρήση σε Εξωτερικούς Χώρους), ΚΔΠ 535/2003]

Ministry/ Department responsible

1. Department of Labour Inspection

- Applicable to 57 equipment/ machinery types
- Maximum permissible levels are set for 22 types of equipment/ machinery
- Starting from January 3rd 2002, equipment procurement for any of the equipment listed in these categories shall
 - Declaration of Conformity is necessary
 - Equipment shall be 'CE' marked
 - The Single Number of Guaranteed Sound Power (in dB)



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10.6. Chemical Substances

Legislation/ Governing Law:

- Health and safety Law, Basic Law N89(I)/ 1996 and its amendments (1996 2020), The health and safety Law, chemical agents and its amendments (Οι περί ασφάλειας και υγείας στην εργασία νόμος του 1996, οι περί ασφάλειας και υγείας (χημικοί παράγοντες) κανονισμοί του 2001 όπως αυτοί τροποποιούνται).
- The Chemical Substances Law of 2020 (Law 119(I)/2020 [Ο περί Χημικών Ουσιών Νόμος του 2020 (N.119(I)/ 2020]
- Chemical substances laws (CLP regulation) (Κ.Δ.Π. 324/2010, Κ.Δ.Π. 457/2010) and regulations REACH and CLP and their amendments [Ο περί χημικών ουσιών (Ταξινόμηση, Συσκευασία και Επισήμανση Επικίνδυνων Ουσιών και Μειγμάτων) Κανονισμοί του 2010 (Κ.Δ.Π. 324/2010, Κ.Δ.Π. 457/2010) και Κανονισμοί REACH και CLP όπως αυτοί τροποποιούνται].

Ministry/ Department responsible

1. Department of Labour Inspection

Requirements

- Safety Datasheets availability at premises
- Personnel protection Hazardous substances, Classification, Labelling and Packaging (CLP regulation)
- Personnel protection Registration of hazardous substances (REACH)

10.7. Fuel Storage

<u>Legislation/ Governing Law:</u> The Petroleum Laws of 1975 (Cap. 272 and Law 64/1975) and its Amendments (2004, 2010 and 2014) and the relevant Regulations and Decrees issued under the above-mentioned Law. All Codes of Practice concerning LPG installation and utilisation.

Ministry/ Department responsible

1. Department of Labour Inspection

- Whereas overall liquid fuel storage at premises exceeds the one Metric Tonne limit, obtaining a storage permit is Mandatory.
- Permit validity is two years.
- Liquid fuel storage safety requirements include the establishment of bund area (able to withhold 110% of tank capacity)
- Signage, firefighting requirements



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10.8. Emissions to the Environment

Legislation/ Governing Law: The Control of Atmospheric Pollution Law of 2002 (Law 187(I)/ 2002) and its amendments, and the relevant Regulations and Decrees issued under the above-mentioned Laws [Οι περί ελέγχου της ρύπανσης της ατμόσφαιρας νόμοι του 2002 έως 2020, N. 187(I)/2002]

Ministry/ Department responsible

1. Department of Labour Inspection

- Emissions Permit necessary, whereas activity/ process is included in Appendix II, Law 187(I)/ 2002
- Compliance to the conditions listed in the Emissions Permit
- Facilities and units operating within the limitation of R.A.A 170/2004 are exempted from obtaining an Emissions Permit
- Whereas fired equipment/ boilers of less than 5MWth capacity, fossil fuel fired the following requirements hall be met
 - Measurements for the following exhaust gas parameters shall be conducted
 - Smoke Number should be < 3
 - Oxygen shall be < 7.5
 - Carbon Dioxide < 10
 - Concerning the measurements and report issued, the following records shall be maintained
 - Executing party/ person credentials and competence
 - Training/ certification of the person conducting the test
 - Measuring device/ instrument calibration record.



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10.9. Power Generation

Legislation/ Governing Law: The Law Regulating the Electricity Market (Law no. 122(I)/ 2003 and its amendments, as follows: Law no. 239(I)/2004, 143(I)/2005, 173(I)/2006, 92(I)/ 2008 and 206(I)/2015.

Ministry/ Department responsible

1. Cyprus Energy Regulatory Authority (CERA)

- Application to CERA
 - Construction of power plants / power station
 - o Power generation
 - Power distribution and sale of electricity
- Exceptions, from obtaining a permit (Obtaining Exception from Permit)
 - Power generation (own use), up to 1 MW
 - o Power generation, Renewable Energy Units utilisation, up to 5 MW
 - Power utilisation, up to 50 kW, for each station
- Users of small power generation units (IC Engines) and small Photovoltaic Systems (P/V) up to 10 kW are not obliged to submit the 'Exception from obtaining a Permit' neither application for construction, generation and supply of electric power.
- Considering the installation and operation of small sized power generation (IC Engine)
 units, up to 10kW are exempted from CERA requirement to submit and obtain a
 Permit (construction and operation of power generation plant), provided that
 - Power generation is for own use, since there is no established power distribution network in the area
 - There are no environmental impacts and/or noise/nuisance attributed to the operation of the power generation unit
 - The installation, safe operation and maintenance of the power generation unit is the sole responsibility of the user. Therefore, a valid inspection certificate must be produced, signed by an authorised electrician.



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10.10. Energy Management, Buildings

<u>Legislation/ Governing Law:</u> Law N. 142(I)/2006 and relevant regulations as amended – Regulating the energy efficiency of buildings.

Ministry/ Department responsible

1. Ministry of Commerce, Industry and Trade

Requirements

- Carry out energy efficiency audits on cooling and heating systems by licensed auditors (by the Ministry of Commerce) and prepare audit reports.
- Cooling systems with power over 12kW or cumulative power in one building over 50kW
- Heating systems with power over 20kW.
- · Frequency of audits:
 - o Burners every 2 years.
 - Cooling systems every 5 years.
- Acceptable limit for burners:
 - o CO2 = 10-13%.
 - o CO = 50.
 - 0 02 = 4-7.
 - NO = 100.
 - o T = 180-250°.
 - Efficiency ≥ 90%.
 - o Smoke ≤ 1.

10.11. Guidance for EMAS Compliance

- COMMISSION DECISION of 4 March 2013, establishing the user's guide setting out the steps needed to participate in EMAS, under Regulation (EC) No 1221/2009 of the European Parliament and of the Council on the voluntary participation by organisations in a community eco-management and audit scheme (EMAS)
- COMMISSION REGULATION (EU) 2017/1505 of 28 August 2017 amending Annexes I, II and III to Regulation (EC) No 1221/2009 of the European Parliament and of the Council on the voluntary participation by organisations in a community eco-management and audit scheme (EMAS)
- EMAS User Guide Amendment (EU 2017/2285), of December 6th 2017
- EMAS User Guide Amendment (EU 2018/2026), of December 19th 2018



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11. CONTACT INFORMATION

In the context of clarity, transparency, communication and consultation with stakeholders and the general public, American Academy Larnaca contact details are listed below. The Organisation welcomes comments and suggestions aiming improvements in our environmental performance.

This Corporate Environmental Statement is available to interested parties at American Academy Larnaca Administration Building in hardcopy format and at Organisation's website.

For further information, please contact:

American Academy Larnaca

32 Gr. Afxentiou Avenue,

6011, Larnaca, Cyprus Tel: +357 24815400

Email: info@academy.ac.cy

6047, Larnaca, Cyprus



| Issue: | 1 st |
|-----------------|-----------------|
| Effective Date: | 20/09/2022 |
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12. EMAS REGISTRATION DETAILS

| Organisation | AMERICAN ACADEMY LARNACA |
|---|---|
| EMAS Registration No / Date, Period: | CYS 000123 |
| Organisation Address: | 32 Gr. Afxentiou Avenue, 6011, Larnaca, Cyprus P.O. Box 40112, 6301 Larnaca Cyprus |
| Contact Person: | Simos Nicolaou |
| Telephone / Fax: | +357 24815400 |
| Email: | simosn@academy.ac.cy |
| Website: | https://www.academy.ac.cy |
| Annual Turnover: | €7,600,000 |
| NACE Code: | 85 |
| Number of Employees: | 207 |
| Request for Derogation pursuant to Article 7: | No |
| Verifier Name: | Cyprus Certification Company |
| Verifier Address: | 30 Costa Anaxagora str, 2014, Nicosia, Cyprus Κύπρος |
| Telephone/ Fax: | 00357 22411411 / 00357 22519115 |
| Email: | info@cycert.org.cy |
| Website: | www.cycert.org.cy |
| Registration Number of Accreditation or License: | ΕL-V-0009 (ΑΡ. 549), ΕΣΥΔ |
| Scope of Accreditation or License (NACE Codes): | Reference to be made, CYS certification from ΕΣΥΔ |
| Date of next Environmental Statement and Verified Environmental Statement: | August 2023 for year 2022 / August 2022 |

