

### **DEPARTMENT OF LABOUR INSPECTION**

### **ANNUAL REPORT 2022**

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### DEPARTMENT OF LABOUR INSPECTION (DLI)

### I. INTRODUCTION

The mission of the Department of Labour Inspection (DLI) of the Ministry of Labour, and Social Insurance is the continuous and constant improvement of safety and health levels at the workplaces, the protection of employees, the public and the environment from risks arising from ionising radiation, chemical substances, machinery, equipment and offshore oil and gas exploration and production activities, as well as air quality monitoring.

In order to achieve the above mission, the DLI implements a specific strategy that includes an appropriate institutional framework, an appropriate legislative framework, a suitable and adequate labour inspection system, promotion of prevention through continuous awareness raising, information and training, the use of voluntary and economic incentives, incorporation of issues dealt with into other policy areas such as education, employment, agriculture, environment, transport, etc., encouragement of progress and research, close cooperation with the social partners and other stakeholders and, cooperation and active participation of the Department in the relevant activities of the European Union and international and regional organizations

The DLI's vision is to make the Department an excellent recognized organization that provides the citizens and the society with quality services with a high level of efficiency and productivity, utilizing modern technological knowledge.

The DLI has at its Headquarters the Safety and Health at Work Sector and the Radiation Protection, Environmental Issues and Equipment Sector. In addition, the Department has District Offices in Nicosia, Limassol, Larnaca, Pafos and Ammochostos. In the Department, there were in total, 85 posts in 2021, of which 20 (24%) were vacant. These posts did not include temporary and seconded staff, the occupational physician and administrative, secretarial, accounting and computer support staff. The organizational chart of the DLI is presented in Chart 3.1 on page 36 of the Appendix.

The DLI in 2022, was entrusted with the implementation of the 351 pieces of legislation, for which it was the competent authority, with a reduced number of available staff.

### A. Safety and Health at Work Sector

The Sector deals with all safety and health at work issues regarding the protection of life, health and wellbeing of workers at workplaces, as well as the protection of other persons who may be affected by work activities. The main competences of each of the Sections of this Sector are the following:

### A.1. Awareness Raising and Horizontal Issues Section

The Section on Awareness Raising and Horizontal Issues was established and operates with the aim of giving greater impetus to issues of information dissemination, training and awareness raising regarding Safety and Health at Work. The Section is responsible for the operation of the Training Centre, for monitoring the activities and obligations of the DLI with regards to the European Agency for Safety and Health at Work, for the approval of the Safety Officers and the monitoring of their training and the evaluation of the work performed by them, as well as for the functioning of the Pancyprian Council for Safety and Health, and the handling of issues regarding Approved Persons who offer external preventive and protective services to employers / self-employed persons. The Section also deals with European Union issues, such as the work of the Senior Labour Inspectors Committee (known as SLIC), issues regarding the Council of Europe, the International Labour Organization (ILO) as well as other international issues. Finally, the Section coordinates the statistical processing of the data and the management of the DLI's computerized system.

### A.2. Services and Chemical Industry Section

The Chemical Protection and Safety of Services Section has the following main responsibilities:

- Supervising the implementation and enforcement of the Chemicals Legislation, a legislation that covers issues related to the manufacture, import, export, use and placing of chemical products on the Cyprus market.
- The dedicated REACH and CLP helpdesks participate in various activities of the European Chemicals Agency (ECHA) and their role is to promote the harmonized dissemination of knowledge and information of the chemicals legislation and to guide companies in fulfilling their legal obligations.
- ❖ Overseeing the implementation of the legislation on health and safety at work of employees and other affected persons in the chemical and pharmaceutical industry, storage of chemicals, private sector services, including public and private hospitals, education, transport, commerce, as well as municipalities and communities. Additionally, the Section deals with issues related to health hazards of workers from their exposure to chemical, biological, carcinogenic and mutagenic agents, as well as exposure to physical agents such as noise, vibrations etc.
- The implementation of the legislation dealing with the contained use of genetically modified micro-organisms and the licensing of their users.
- The inspection, control and licensing of liquid petroleum storage facilities.

- The prevention of large-scale accidents, that could be caused due to the storage or use of hazardous chemicals in installations. In the Section there is a special Unit that deals with this issue.
- The safety of offshore oil and gas operations with the aim of preventing serious accidents and dangerous incidents during such offshore operations and reducing the consequences of such incidents. In the Section there is a special Unit that deals with this issue.

### A.3. Manufacturing and Construction Section

The Manufacturing and Construction Section is engaged in the organization, management of safety and health at work and the safety and health requirements of workplaces and work equipment that must be met. It also deals with the preparation and monitoring of the inspection program, the monitoring of court cases, the issuing extrajudicial fines, the coordination and carrying out of inspections in the construction industry, the mining and quarrying industry, the manufacturing industry, the public sector, as well as in farming activities. In addition, the Section deals with issues regarding the prevention of risks and protection from exposure to asbestos and thermal load, as well as, consultation with the competent authorities for issuing building permits, certificates of final approval and planning permits. Moreover, the Section is engaged with the coordination of the unit for the control of working hours and rest periods for drivers of certain vehicles. Finally, the Section is engaged with supporting activities of the DLI that include computer equipment and other equipment (e.g. scanners, photocopy machines, cameras) and the monitoring of the fire safety, security and access systems in the building.

In 2022, the Section coordinated the compliance of the staff of the DLI with the provisions of the Decrees of the Ministry of Health, in accordance with the Quarantine Law Act, as well as the record keeping of data regarding inspections for the purpose of enforcing compliance with these Decrees.

### B. Radiation Protection, Environmental Issues and Equipment Sector

The Sector deals with the protection of workers, the public and the environment against risks related with machinery, equipment, radiation and industrial air emissions. It also deals with all issues related to air quality. The main competences of each of the 3 Sections of this Sector are the following:

### **B.1.** Machinery and Equipment Section

The Machinery and Equipment Section operates a Machinery, Pressure Vessels and Lifts Unit, which deals with the inspection and certification of inspectable machinery and pressure vessels such as steam boilers, steam receivers, cranes, hoists, overhead travelling cranes and air receivers. This Unit also enforces the legislation that regulates the operation, maintenance and periodic audit of lifts. Furthermore, this Section is responsible for the surveillance of the Cyprus market to safeguard the free movement of

specific products, which satisfy the safety and health requirements of the European Union Directives or Regulations bearing the CE mark. Such categories of products include: (i) Pressure Equipment, (ii) Simple Pressure Vessels, (iii) Machinery, (iv) Lifts, (v) Personal Protective Equipment, (vi) Equipment and Protective Systems for Use in Explosive Atmospheres and (vii) Noise Emission in the Environment by Equipment for Outdoors Use. Moreover, the Section deals with the inspection, control and licensing of Liquefied Petroleum Gas (LPG) installations and storage facilities as well as LPG vehicle refueling stations.

### **B.2.** Radiation Protection Section

The main objective of the Radiation Protection Section, is to safeguard the health and safety of the workers and the public from risks arising from exposure to radiation in various economic activities, such as in medicine, industry, construction, agriculture and research, and to protect the health of the population, property and the environment from risks that may arise from the dispersion of radioactivity in the environment.

### **B.3.** Air Quality and Strategic Planning Section

The Air Quality and Strategic Planning Section deals with the continuous monitoring and information for the levels of specific pollutants in the ambient air, as well as with the assessment and management of the air quality, in order to secure, as practically possible, the protection of the health and well-being of workers and citizens and the protection of the environment. Additionally, the Section deals with the formulation and monitoring of the implementation of the Strategic Plan of the Department.

### **II. WORK CONDUCTED DURING 2022**

### 1. SAFETY AND HEALTH AT WORK SECTOR

### 1.1. Workplace Inspections

A main activity of the Safety and Health at Work Sector consists of carrying out inspections, for the enforcement of the provisions of the labour legislation falling within the competency of the DLI. According to the annual inspection program of DLI, as shown in

**Table** 3.1 **on page 37** of the **Appendix,** inspections in various economic sectors, as well as specific activities and focused campaigns were carried out during 2022. To better conduct the specific campaigns, special questionnaires, informational material and instructions were conveyed to the mass media and all concerned parties and additionally were posted on the DLI website.

During 2022, the Inspectors carried out 5.971 inspections in 4.214 different undertakings for safety and

health matters at workplaces. The table of **Appendix** ( Table 3.2 **on page 38**) contains the inspections carried out in 2022 analytically, by economic activity and district. Furthermore, during 2022 following inspections, 346 letters were sent to employers, self-employed persons or other persons where serious violations of the legislation on safety and health at work were identified during inspections, in contrast to 169 which were sent during 2021. In addition, in 2022, 82 Improvement Notices and 252 Prohibition Notices were issued while in 2021, 23 Improvement Notices and 176 Prohibition Notices were issued by Inspectors.

### 1.1.1. Inspections regarding the COVID-19 Pandemic

From 1.1.2022 until 30.5.2022 the Inspectors and Auditors hired on temporary basis conducted inspections to monitor and control the implementation of measures to limit the spread of the coronavirus. A total of 2.365 inspections were carried out by the DLI staff.

Also, from 1.1.2022 until 30.5.2022, the DLI undertook the general coordination of data collection for the inspections carried out by all the Departments of the Ministry of Labour, and Social Insurance (MLSI) to control the implementation of measures to limit the spread of the coronavirus. In this context, a comprehensive table of data with the inspections was kept, which was forwarded every fortnight to the MLWSI, for the information of the Ministry of Justice and Public Order.

### 1.1.2. Investigation of Complaints with regard to Health and Safety Issues

During 2022, more than 400 complaints that submitted orally and / or in writing by citizens with regard to occupational safety and health issues were investigated.

### 1.1.3. Issue of Registration of Premises, Installations, Enterprises and Work Places

During 2022, following the examination of relevant applications and on the spot inspections, the DLI issued 69 Certificates of Registration of premises and work places, under the Safety and Health at Work (Registration of Premises, Installations, Enterprises and Work Places) Regulations of 2019. It is noted that during 2020, 43 Certificates of Registration of premises and work places were issued. Also in 2021, 17 Certificates to Private Hospitals / Clinics were issued / renewed after inspection.

### 1.1.4. Measurements of Physical and Chemical Agents

The Sector maintains a laboratory with instruments for the direct or indirect measurement of physical and chemical agents. In 2022, in the framework of surveillance of health and safety legislation, a total of 64 measurements of physical and chemical agents were carried out. The following **Table** shows in detail the measurements made for each physical or chemical agent.

**Table 1. 1:** Measurements per physical or chemical agent in 2021

No.	Temperature	Noise	Lighting	Combined Air Rate (Air Changes)	Suspended particles (dust)	Carbon Dioxide (CO <sub>2</sub> )	Ozone (O <sub>3</sub> )	Ammonia (NH <sub>3</sub> )	Organic volatile compounds (VOCs)
Number of Measurements	4	4	4	4	4	4	4	4	4
No.	Humidity	Chlorine (Cl <sub>2</sub> )	Hydrogen Sulphide (H <sub>2</sub> S)	Carbon Monoxide (CO)	Nitrogen Dioxide (NO <sub>2</sub> )	Sulphur Dioxide (SO <sub>2</sub> )	Lower Explosive Limit (LEL)	Oxygen (O <sub>2</sub> )	Formaldehyde (HCHO)
Number of Measurements	4	4	4	4	4	4	4	4	4

#### 1.2. Prosecutions

In 2022, the trials of 29 cases concerning 128 breaches of Labour Laws of the safety and health of workers at the workplace and other persons affected by work activities were completed. The fines imposed upon those who were convicted in 2022 totaled to €232.450, compared to €190.600 in 2021 concerning the trials of 30 cases. The number of penal cases, the relevant legislation breached by the offenders as well as the fines imposed by the Courts in year 2022 in comparison to years 2019 - 2021, are illustrated in Appendix (**Table 3.3 on page 39**). Additionally, in 2022, a total of 9 new penal cases were compiled by DLI were sent to the Legal Service of the Republic for approval and submission of the penal proceedings.

### 1.3. Extrajudicial Fines

Within 2022, 70 Extrajudicial Offense Settlement Notices (Extrajudicial Fines) were issued in relation to breaches detected during preventive inspections and violations identified during the inspections made in the context of the investigation of accidents and dangerous occurrences. Most Extrajudicial Fines Cases Analysis of Notified Work Accidents and Dangerous Occurrences concern violations/breaches at construction sites. Within 2021, 1 Extrajudicial Offense Settlement Notice (Extrajudicial Fine) was issued.

The total amount of the extrajudicial fines for the above 70 Notices of 2022 was €113.000 compared to €1.500 in 2021 which concerned the issuance of 1 extrajudicial.

### 1.4. Analysis of Notified Work Accidents and Dangerous Occurrences

### 1.4.1. Accidents to employed persons during their work

During 2022, a total of 1.335 accidents which occurred to employed persons during their work were notified to the DLI. **Table 3.4 on page 39** of the **Appendix** presents an analysis of accidents by section of economic activity, gender, age, degree of injury and cause of accident. In **Figure 3.1 on page 39** of

the **Appendix**, accidents are categorized by sector of economic activity. As shown in the mentioned figure, the biggest number of accidents during 2022 occurred in the sector of Accommodation and Food Services (Hotels & Restaurants) with a percentage of 21,65%, followed by the Construction sector with a percentage of 19,10%, the sector of Manufacturing with a percentage of 17,68% and the sector of Wholesale and Retail Trade and Repair of Motor Vehicles and Motorcycles with a percentage of 13,71%. **In Figure 3.2 on page 39** of the **Appendix**, presents the annual number of notified work accidents for the period 2011 – 2022. **In Figure 3.3 on page 39** of the **Appendix**, accidents at work during 2022 are analyzed by cause and are categorized in five basic categories (buildings/installations, machinery/equipment, transport means, materials/substances and other causes).

**Tables 3.5 and 3.6** present an analysis of the fatal accidents, which occurred during 2022, by district, economic activity and cause. These Tables show, respectively, the 7 accidents occurred to employed persons during the course of their work and 1 accident to another person out of work (not employed) which arose out of work activities. Additionally, as mentioned after Table 3.6, two (2) more fatal accidents occurred to National Guard personnel during military exercises. These accidents are being investigated by the Ministry of Defense.

In **Figure 3.4 on page 39** of the **Appendix**, the annual number of fatal accidents to employed persons during their work which were notified during the period 2011-2022 is shown.

As shown in the **Appendix** (**Figure 3.5 on page 46**), the Average of the Incidence Rate (number of accidents per 100.000 employed persons) for accidents which occurred to employed persons during the course of their work for year 2022, was 334,2. This Figure also presents the average of the Incidence Rate by section of economic activity. It is noted that this refers to preliminary and not final results. This is due to the fact that the "Number of Employed Persons" used in calculating the Incidence Rate, is based on the results of the Labour Force Survey of the Statistical Service for first, second and third trimester (mean value) and not on the overall results (mean value) for the whole year. These data were not available at the time of preparation of this Report. It is noted that the final Incidence Rate of Accidents at Work for year 2021 (Mean Value) was 376,6.

In **Figure 3.6 on page 47** of the **Appendix**, the change in the Incidence Rate (Annual Mean) is presented for the period 2011 - 2022, as well as the number of accidents and employed persons for the same period. Conclusively, the Incidence Rate during the period 2011 - 2022 decreased by 45,7% and the number of accidents by 33,6%, while during the period 2021-2022 the Incidence Rate decreased by 11,3% and the number of accidents decreased by 6,8%.

It is noted that the year 2021, as well as the year 2020, are characterized by the special situation that emerged due to the pandemic that led to the significant reduction in various sectors of the Labour market. Therefore, it is not accurate to compare the results of the year 2022 with the two previous years for safe

conclusions regarding the levels of safety and health in the workplaces, with the sole criterion being the number of accidents and the Incidence Rate. It is important, however, to say that despite the increase in activities during 2022, compared to 2021, there was, as mentioned in the previous paragraph, a significant decrease in the Incidence Rate, as well as, the number of accidents reported. The **table** below shows comparative data regarding the number of accidents in the years 2020, 2021 and 2022 in the main economic activities.

Table 1. 2: Comparison of Number of Accidents 2020 - 2022

SECTION OF ECONOMIC ACTIVITY	2020		2021		2022		2020 - 2021		2021 -	2022
	No. of	Percentage				Reduction		Reduction / Increase		
	Accidents	(%) Accidents	(%)	Accidents	(%)	(Number)	(%)	(Number)	(%)	
MANUFACTURING	265	17,35	254	17,73	236	17,68	-11	-4,15	-18	-7,09
CONSTRUCTION	329	21,55	279	19,47	255	19,10	-50	-15,20	-24	-8,60
WHOLESALE AND RETAIL TRADE	229	15,00	191	13,33	183	13,71	-38	-16,59	-8	-4,19
TRANSPORT AND STORAGE	95	6,22	97	6,77	79	5,92	2	2,11	-18	-18,56
HOTELS & RESTAURANTS	286	18,73	279	19,47	289	21,65	-7	-2,45	10	3,58
ALL ECONOMIC ACTIVITIES	152	27	143	13	133	35	-94	-6,16	-98	-6,84

Regarding the severity of accidents that can in some way be identified as the days of the victim's absence from work due to the accident, it is noted that the average number of days of absence in all economic activities in 2021 was 27 compared to 26 in the year 2020 and 24 in the year 2019. It is noted that the relevant data concerning the accidents of the year 2022 were not available until the date of completion of this report and will be announced in the Annual Report of the Department for the year 2023. As shown in the **Table 1.3** below, in terms of the most important economic activities, the most serious accidents occurred in the following areas:

Table 1. 3: Average days of victim's absence from work (employees)

Economic activity	2019	2020	2021
Construction	30	32	28
Manufacturing	23	27	29
Wholesale and Retail Trade	18	25	21
Transportation and Storage	29	22	27
Hotels & Restaurants	20	21	21

### 1.4.2. Other Accidents notified to the Department of Labour Inspection (DLI)

During 2022, an additional 102 accidents were notified to the DLI, according to the relevant legislation, 4 of which concerned self-employed persons during the course of their work, 2 to persons out of work and 96 to persons during their normal journey between home, and the place of work (commuting accidents).

### 1.4.3. Analysis of Notified Dangerous Occurrences

In 2022, 36 dangerous occurrences regarding work place incidents were notified to the DLI as follows: 9 contacts with overhead electric lines, 7 contacts with an underground electric line, 6 fires / explosions, 4 collapses of a structure, 3 electrical short circuits, 2 ground collapses, 2 leakages of substances, 2 collapses / failures of equipment and 1 collapse of scaffolding.

### 1.5. Occupational Diseases Prevention Unit

During 2022, one case of occupational disease caused by atmospheric compression or decompression notified to the Department of Labour Inspection. The Occupational Physician Counselor in close collaboration with Labour Inspectors investigated two cases of diseases possibly related with working conditions and working environment of affected persons. These diseases were related with one case of acute urticaria with facial angioedema and one case of spine disc disease with back pain and sciatica. In addition to the above cases, during 2022, eight (8) new cases of mesothelioma registered by the Cancer Registry of the Ministry of Health and six (6) new cases of mesothelioma registered by the Cancer Registry of the Oncology Center of Bank of Cyprus were notified to the DLI.

### 1.6. Providers of First Aid at Work Training Courses

For the provision of first aid at work training programs, in 2022, the Chief Inspector renewed the licenses of 22 existing providers according to procedures and evaluation applied by the DLI. In 2022, the Chief Inspector approved two new providers for first aid at work training programs. According to Safety and Health (Prescribed Fees) Order of 2021 (R.A.A. 466/2021), the existing Provider paid a fee of 295 euros for the renewal of its approval, while the new candidate Provider paid a fee of 700 euros for its approval. The Department of Labour Inspection is in consultation with Resuscitation Services of the Ministry of Health, for the promotion of a new legislation prepared by Resuscitation Services for the provision and quality of first aid and resuscitation programs.

### 1.7. Surveillance of Workers' Health

The DLI continues the enforcement of various Orders for medical and laboratory examinations of workers issued under the Safety and Health at Work (Heath Surveillance) Regulations of 2017 (R.A.A. 330/2017). These Regulations determine the procedures and operating framework of the health surveillance system of employees in Cyprus. The Safety and Health at Work (Medical Examinations for Asbestos) Order of 2018 (R.A.A. 184/2018) determines the medical examinations of workers who perform insulation and asbestos coating work and concerns companies with special license on such work. The Safety and Health at Work (Medical Examinations for Dockwork) Order of 2018 (R.A.A. 185/2018) determines the medical examinations of workers at ports, workers of lifting devices, forklifts and other employees engaged in loading and unloading and manual handling of loads. The Safety and Health at

Work (Medical Examinations of Workers Climbers at Height) Order of 2020 (R.A.A 30/2020) determines the medical and laboratory examinations of climbers at mast and poles above 5 meters without the use of motorized work equipment. The Safety and Health at Work (Medical Examinations of Workers at Mines and Quarries) Order of 2021 (R.A.A. 143/2021) determines the medical and laboratory examinations of workers in mines and quarries that carry out extraction and processing of mined materials. Employers' compliance with the above Regulations and Orders includes their obligation to contract with occupational physician to carry out the necessary medical examinations specified in the above Orders. According to the action plan and the framework for the preparation of new Orders for medical and laboratory examinations in other occupations or working activities, the Law Office completed the legal vetting of the two new Orders prepared by the DLI, the Order for medical and laboratory examinations of workers in factories for manufacture, standardization, packaging and repackaging of agriculture medicines and the Order for medical and laboratory examinations of workers in the health care sector for activities related to anticancer drugs. The two new Orders were approved by the Minister of Labor and Social Insurance and published in the Official Gazette of the Republic on 16.09.2022 (R.A.A. 365/2022 and R.A.A. 366/2022). All employers involved in the implementation of the above Orders were informed about their obligations arising from the implementation of the health surveillance of employees Regulations. Raising awareness of employers on the benefits of the provision of services by occupational physician in companies continues. It has been found that the number of companies contracted occupational physician is gradually increasing, regardless the legal obligation of some companies to have contract with occupational physician.

### 1.8. External Services for Protection and Prevention

During the course of 2022, based on the prescribed Minimum Required Qualifications, the Chief Inspector granted 11 initial approvals. The transference of the approval of a physical person to a defined legal entity was also approved. In the cases of 2 candidates, the DLI requested further proof of possession of all the prescribed Required Qualifications. Additionally, during the course of the year, the DLI terminated the approval of 1 Approved Person. On the 31.12.2022, the relevant Registry of Approved Persons contained a total of 108 persons (both physical persons and legal entities) for the provision of External Services for Protection and Prevention of risks. Also, during 2022 the annual inspection campaign of Approved Persons was continued, focusing on the quality of the services delivered by the Approved Persons, undertaken on behalf of employers and/or self-employed persons.

Based on the findings of the relevant Committee of SLIC, which carried out an assessment of the Labour Inspection System of Cyprus in 2019, the DLI continued to take action to upgrade the framework of Approved Persons. For this purpose, an online training event was carried out on 25.11.2022 in order to inform all Approved Persons of the additional legal requirements regarding Approved Persons, as these

are set forth in the Management of Safety and Health at Work Regulations of 2021 (R.A.A. 158/2021). During the online event, presentations were made, among other topics, regarding the specifications of four (4) prescribed instruments / equipment which every Approved Person was obliged to acquire and utilize, starting on 1.1.2023, in the course of providing services for the protection and prevention of risks in workplaces, following relevant work assignment to the Approved Persons by the contracting employers.

### 1.9. Activities to reduce work accidents and occupational diseases in the construction sector

#### 1.9.1. Action Plan

Under the Joint Policy Statement on the reduction of work accidents and occupational diseases in the construction sector, the DLI continues to implement since 2013 a specific Action Plan. In addition, an Action Plan is being implemented to reduce accidents, which was drafted by the Pancyprian Safety and Health Council and includes actions based on the suggestions of social partners and other members of the Council.

### 1.9.2. Technical Committee for Training of Workers who work at Height

In the framework of the activities of the Technical Committee, which was established in 2019, a Table was prepared with the training programs for Work at Height offered in Cyprus. An online meeting of the Technical Committee was held on 15.4.2021. The contribution of all the members of the Technical Committee is expected for the content of the relevant Decree that will be issued in accordance with the provisions of the Safety and Health at Work (Minimum Requirements for Temporary or Mobile Construction Sites) Regulations of 2015 (R.A.A. 410/2015) including adequate special training and experience in the installation, assembly, reconstruction and disassembly of scaffolding.

### 1.9.3. Working Group for Metal Constructions Works

The purpose of the Working Group, which was established in 2019, is to prepare a document with Special Terms for the safe construction of metal structures, which can be incorporated in the contracts for construction and technical works. A working sub-group was set up in 2020, to prepare the draft document. No meeting of this subgroup was held in 2022 due to the COVID-19 pandemic.

## 1.9.4. Collaboration with University Institutions in order to inform students about Health and Safety at Work

The cooperation with the Cyprus University of Technology continued in 2022 with the training of students in the field of Civil Engineering on safety and health issues with online lectures by Labour

Inspection Officer of the DLI.

# 1.9.5. Joint Technical Committee between the Department of Labour Inspection (DLI) and the Cyprus Scientific and Technical Chamber (CSTC) for Safety and Health in construction sector

The joined Technical Committee between the DLI and the CSTC was established in 2020 with the aim to promote actions to improve safety and health levels in the construction sector. Within this Technical Committee, an Action Plan was prepared, which is implemented in cooperation with the DLI and the CSTC. In 2022, two meetings of the Committee took place, one with CEO of the Joint Committee on Construction Contracts on 18.10.2022 as well as with the President of the Council for the Registration and Licence of Contractors on 11.10.2022 regarding the promotion of measures to improve safety and health levels in construction projects.

### 1.9.6. Informative Seminars in collaboration with other Bodies

During 2022, a presentation took place by a Labour Inspection Officer on "Introduction to Safety and Health in Construction Projects - The Role of the Engineer" in an online seminar organized by ETEK to inform engineers. Also, a lecture was held on "Regulations for the Management of Safety and Health Issues at Work" in collaboration with CYASH and CNP. For the purposes of information on heat stress, an online seminar was held in collaboration with ETEK and CYACE and 5 lectures were held in collaboration with OEB, OSEOK, PEO and CYASH - CNP on the topic "Management of Workers' Thermal Stress during the Summer Period».

#### 1.10. Asbestos works

In 2022, after appraisal of applications, 9 companies were approved to carry out works concerning removal of asbestos insulation or coating. Also, in 2021, a total of 81 specific Work Plans were approved prior to commencement of asbestos work.

### 1.11. Building Permits, Planning Permits and Certification of Approval

During 2022, 865 applications concerning building permits, planning permits and certificates of Approval for premises intended for use as workplaces and/or residential units were examined and terms concerning safety and health at work issues were imposed. 45 of these applications include premises that are affected by units that could cause a major scale accident (SEVESO), or could cause such accidents themselves.

### 1.12. Safety Officers

During 2022, 39 new Safety Officers were approved. The Safety Officer deals with the subjects of safety

and health in the installations of his/her employer on a full-time basis. The total number of approved Safety Officers at the end of 2021 was 197. At the same time, within the year the evaluation of the work carried out by Safety Officers through examination of the Annual Reports prepared for their activities and submitted to DLI continued and letters of compliance were sent accordingly.

### 1.13. Occupational Safety and Health Training Centre

In 2022, several enlightenment actions were implemented on the issues of safety and health at work. Specifically, several seminars were organized, either entirely by DLI or co-organized with other bodies, both online and with the physical presence of the participants, which were addressed to members of Professional Associations, students of primary, secondary and higher education, members of Public Service Safety Committees and Authorized Persons providing External Services for Protection and Prevention.

In total, during 2022 officers of the DLI gave lectures lasting 54 hours on topics within the competence of the Department, in 34 events, in which approximately 2.100 people participated.

In addition, the Training Center organized:

- on the 15<sup>th</sup> of April, a Ceremony for the signing of the Cyprus Strategy for Safety and Health at Work, which covers the period 2021–2027, by the Minister of Labor and Social Insurance and representatives of the Organizations participating in the Pancyprian Safety and Health Council,
- on the 24<sup>th</sup> of October, a Press Conference, during which the main findings of the scientific analysis
  of the data maintained by DLI and related to occupational accidents that occurred in Cyprus in the
  period 1999 2020 were presented, by the CERIDES Research Group of the European University
  of Cyprus,
- on the 27<sup>th</sup> of October the Closing Ceremony, within the framework of the activities of the European Week for Safety and Health at Work. During the Closing Ceremony, the awarding of winners, who participated in the four competitions which were organized in the field of health and safety at work, took place.

### Also, during the year, the DLI:

- prepared, in collaboration with the Press and Information Office, a television film and a radio message regarding the heat stress of workers, which was promoted on television and radio stations and on social media,
- continued the promotion of the Online Interactive Risk Assessment tools (OiRA tools),
- continued to keep its website up-to-date with matters related to its competence and to register relevant posts on its social media,

- maintained a special section on its website regarding the COVID-19 pandemic, which was constantly updated,
- provided information to the public and answered questions submitted by telephone and/or through its website.

### 1.14. Competitions

The DLI, in collaboration with the Ministry of Education, Sports and Youth, organized:

- for the twentieth consecutive year, the Poster Competition 2022 among the students of Secondary Education. The subject of the competition was «Safety and Health at Work» and it was aiming to raise awareness on safety and health among young people. The first prize of the Competition was awarded to a student of the Technical and Vocational School of Education and Training (TESEK) of Paralimni, the second prize was awarded equally to two students from TESEK Makarios III of Nicosia and the third prize was awarded to a student also of TESEK Makarios III of Nicosia. Commendation was given to a student from the Agios Stylianos High School, Strovolos.
- for the twelfth year, the Competition of School Examples of Good Practice. In the Competition, the prize for the Pre-Primary and Primary Level was equally awarded to the Ecological Kindergarten "Ta Lolitakia" and to Cycle B of Chryseleousa Primary School, the prize for the High School Level was awarded to Akaki Regional High School and for the Lyceum Level, it was awarded to Regional Lyceum M. Koutsofta-A. Panagidis Paleometochou.

Additionally, the DLI announced the Good Practice Awards for businesses in the occupational safety and health sector. There were 23 nominations in total from 16 enterprises and organizations. The first price was awarded to EXNESS GLOBAL LTD for their good practice example on the adaptation to new form of work, teleworking, posed by the COVID-19 pandemic. The second prize was awarded to COCA COLA HBC CYPRUS for their good practice example on the facilitation of the inspection of the factory and the long-distance communication with technical companies, using smart glasses. The third prize was shared by PPD GLOBAL and REMEDICA LTD. The good practice example of PPD GLOBAL referred to the application of the principles of digital transformation, focusing on promoting the cultivation of safety and health culture using scientific progress and research. The example of REMEDICA LTD entailed the licensing for using an inspection management software, which was adapted to tasks carried out by the company. The judging committee commended the following companies IACOVOU BROTHERS (CONSTRUCTION) LTD, CYBARCO CONTRACTING «TRILOGY LIMASSOL SEAFRONT» and KPMG MLS SERVICES LTD & C.H.G MEDICAL CONCIERGE LTD.

In cooperation with the Cyprus Safety and Health Association and the Association of Cypriot Cartoonists, the DLI held the Cartoon Competition with the theme "Healthy Workplaces – Lighten the Load".

There were 22 nominations, of which one did not fulfill the requirements of the competition. The judging committee consisted of Members of the Cyprus Safety and Health Association, the Association of Cypriot Cartoonists, the Department of Labour Inspection and the Initiative Team for the Promotion and Dissemination of the Work of Giorgos Mavrogenis. The first prize was awarded to Mr. Aristos Kakoutas for his cartoon named «Flintstones». The second prize was awarded to Mr. George Savva for his cartoon named "The Doctor". The third prized was shared between Ms. Aggeliki Pilati and Mr. Aristos Kakoutas for their cartoons named "Working Skeletons" and "Sitting and Monotonous Work", respectively.

### 1.15. Publications of the Department of Labour Inspection

Within 2022, the DLI prepared and posted on its website various electronic brochures in electronic format, while in cooperation with the Press and Information Office (PIO), existing information brochures were reprinted.

It is noted that all the information brochures that the DLI prepares every year, whether in printed or electronic form, are posted on its website and available to all interested persons. On the website of the Department, there is also a lot of information, analysis, statistics as well as all the legislation for which the Department is competent.

In addition, in cooperation with the PIO, a short video clip was prepared for informing employers, employed persons and the public regarding risks at work due to thermal stress. The clip was uploaded to the DLI website and social media.

# 1.16. Cooperation of DLI with European Agency for Safety and Health at Work (EU-OSHA)

### 1.16.1. Healthy Workplaces European Campaign

The DLI, as the National Focal Point of EU-OSHA, continues to implement at national level, the European Campaign organized by EU-OSHA, with the theme "Healthy Workplaces – Lighten the Load". The launching of the European Campaign was done in 2020 and completed in October 2022.

In the framework of the European Good Practice Awards, which were awarded at the Closing Ceremony of the European Campaign in November 2022 in Bilbao, Spain, Cyprus attained one of the eight awards, with the good practice example of SWISSPORT CYPRUS LTD.

### 1.16.2. Online Interactive Risk Assessment (OiRA)

The DLI and EU-OSHA, in an attempt to facilitate the compliance of employers with Safety and Health at Work Legislation, and at the same time to enhance the mutual effort to improve the safety and health at workplaces, have developed and offer for free the online interactive risk assessment tools (OiRA).

With the use of OiRA, every employer might be able to ensure the safety, health and wellbeing of his/her employees.

With financial aid of EU-OSHA, in 2022, the development of a new electronic tool on "Metallic Structures at Construction Sites" was concluded.

### 1.17. Control of Major Accident Hazards Special Unit

During 2022, the Control of Major Accident Hazards Special Unit conducted 46 inspections of the establishments covered by the legislation and cooperated with the Civil Defense for External Emergency Plans and with the Department of Town Planning and Housing on issues of site planning of new establishments and on building developments in proximity to existing establishments.

During 2022, the Unit received 3 new Notifications of establishment and 5 Safety Reports. Therefore, the Unit evaluated 3 Notifications while 5 Safety Reports are under evaluation.

### 1.18. Control of Offshore Oil and Gas Operations Hazards Unit

In December 2021, an offshore drilling operation started, while in 2022 two more drilling operations were carried out. Regarding the above works, 1 drilling notification report, 6 reports with a substantial change in drilling notification and 283 daily drilling reports were submitted and evaluated in 2022 by the Offshore Oil and Gas Operations Risk Management Unit. Also, 1 inspection was carried out on a drill ship and 2 inspection reports were prepared.

Additionally, in 2022 the Unit had meetings with the companies that are active in offshore hydrocarbon exploration activities in the Cyprus Exclusive Economic Zone (EEZ). The Unit was also involved in the control and submission of opinions, as a member of the Environmental Impact Assessment Licensing Committee and the Licensing Committee in accordance with the Barcelona Convention (Offshore Protocol), for the licensing of offshore operations.

### 1.19. Safety of Petroleum Installations

During 2022, Inspectors inspected 755 small and large petroleum storage facilities (storing liquid petroleum products and LPG) for control and for issuing a Certificate, a prerequisite for acquiring a Petroleum Storage Permit. Of the above inspections, 188 were conducted at liquid petroleum storage facilities, 71 at liquid petroleum and LPG facilities and the rest were conducted at LPG facilities.

In 2022, the process of replacing the legislative framework for the safe storage of liquid petroleum products proceeded. Due to problems identified at the legislative audit stage, which concern other Governmental Services, the proposed legislative framework will be revised.

### 1.20. Unit for the Control of Working Hours and Rest Periods for Drivers of Certain Vehicles

The Unit for the Control of Working Hours and Rest Periods for Drivers of Certain Vehicles carries out control checks at the premises, as well as at the roadside, with the cooperation of the Cyprus Police and the Road Transport Department.

On the basis of the European obligations of Cyprus, the minimum number of working days' checks to be carried out per year and the minimum percentage of the total number of controls on the road and in the premises of enterprises are set. DLI has undertaken the responsibility of fulfilling 50% of the above specified number of checks, while the Cyprus Police 35% and the Department of Road Transport 15%. During 2022, DLI checked a total of 54.790 working days, of which 52.308 days at the premises of the enterprises and 2.482 days on the roadside. The following table shows in detail the audits carried out in 2022 and the target coverage rates, per case.

Table 1. 4: Drivers' working days examined

	Minimum requirement as per E.U.	*	
Total number of examinations of working days	70.497 (3% of working days)	54.790	77,7
Examination of working days at the road side	21.149 (30% of 70.497)	2.482	11,7
Examination of working days at the premises of the enterprises	35.249 (50% of 70.497)	52.308	148,4

The above number of examinations of drivers' working days that have been carried out at the road side, includes the examinations that have been carried out by the DLI during campaigns organized by the Cyprus Police, as member of ROADPOL (former TISPOL) and the Department of Road Transport. The said campaigns took place in May, July and October of 2022.

### 1.21. European and International Representation and Relevant Obligations in Safety and Health Issues

The DLI actively participates in the work carried out by (a) the EU Advisory Committee on Safety and Health at Work (ACSHW), (b) the EU Senior Labour Inspectors Committee (SLIC) and (c) the European Agency on Safety and Health at Work (EU-OSHA), as well as in sub-committees or working groups dealing with specific issues. Within the framework of Cyprus' obligations on health and safety at work issues, the DLI submitted to the ACSHW, to SLIC and to EU-OSHA annual reports, completed questionnaires and contributions with relevant information. The Department also prepares reports on the

implementation of International Labour Organisations (ILO) Conventions in Cyprus related to Safety and Health at Work.

During 2022, the Department participated in the paneuropean Labour Inspection campaign, duly organised by SLIC, focused on the prevention of Musculoskeletal Disorders (MSDs) in workplaces belonging to economic activity sectors, as predetermined by the Committee, based on a specialized questionnaire. Specifically, in Cyprus, 39 targeted inspections were carried out in the transport (including courier services) and in the food and drinks industry. The results of the MSD Inspection Campaign in all member states were presented by the SLIC EMEX Working Group at the Healthy Workplaces Summit (Closing Ceremony) of the two-year EU OSHA Healthy Workplaces Campaign on the 14<sup>th</sup> and 15<sup>th</sup> November 2022.

### 1.22. Consultation with Social Partners at Pancyprian and District level

### 1.22.1. Pancyprian Safety and Health Council

The Pancyprian Safety and Health Council was established in 1965 and since 1996 is a statutory body under the Safety and Health at Work Laws. Representatives of Public Service Departments, of Employers' and Trade Unions' Organizations, as well as of other stakeholders with a particular interest in safety and health at work participate in this Council. The purpose of the Council is to submit to the Minister of Labour and Social Insurance recommendations for measures to be taken, as well as the best and efficient working methods that should be followed to ensure the occupational safety and health of workers and to advise him on issues related to prevention of accidents and the drafting or revision of the relative Legislation.

Within 2022, two meetings took place in which issues falling under its competence were discussed. It is clarified that, before each meeting, the members of the Council, receive Notes prepared by the DLI, to inform them on the issues of the agenda.

In addition, during the year, a Technical Committee of the Council was established and met for the first time, to examine the issue of Safety Officers and to submit relevant recommendations to the plenary session of the Council.

### 1.22.2. District Advisory Committees

In these Committees representatives of the Social Partners at local level participate and discuss issues concerning the implementation of legislation on safety and health at work.

Due to the COVID-19 pandemic, the meetings of the Committees, which take place every year in February and September, were canceled. Nevertheless, relevant informative Notes were prepared by the DLI and sent electronically to representatives participating in the Committees.

### 1.23. Announcements on Safety and Health at Work

During 2022, 57 announcements on Safety and Health at Work were issued, which were sent to Media and posted on the Department's website. These announcements were related to convictions from Courts, the protection of workers against thermal load, targeted inspection campaigns, the publication of information leaflets, the publication of the Inspection Program and the organization of Webinars.

#### 1.24. Chemical Substances

### 1.24.1. National Helpdesks for REACH and CLP and Awareness Campaigns

For the effective implementation of REACH Regulation (No. 1907/2006) and CLP Regulation (No. 1272/2008), the two appointed National Helpdesks provided constant support to stakeholders and all other interested parties. During 2022, the National Helpdesks answered questions and provided guidance on issues related to (i) the obligation to register chemical substances according to REACH, (ii) the structure and content of the Safety Data Sheets (SDS), (ii) the obligation requiring authorisation of substances and (iv) the specific restrictions which apply to certain chemical substances. In addition, guidance was provided for the correct classification, labelling and packaging of substances and mixtures according to CLP. Also, significant support was provided in relation to the obligation to notify the hazardous mixtures placed on the Cyprus market to the Central European Poison Center Database of the European Chemicals Agency (ECHA) (Article 45 of CLP). In total, the National Helpdesks responded to 200 questions related to REACH and 213 questions related to CLP as well as several questions related to other relevant legislations dealing with chemicals.

During 2022 the following issues related to the Chemicals Legislation were presented in different seminars:

- Information on the European Chemical Strategy presented at the Cyprus Chamber of Commerce and Industry.
- Provisions of the Chemicals Legislation presented at the Cyprus University of Technology.
- Provisions of the Chemicals Legislation presented at the Open University of Cyprus.
- Information on the European Chemical Strategy presented at the Cyprus Scientific and Technical Chamber.
- Information on the European Chemical Strategy presented at the Insurance Association of Cyprus
- Provisions of the Chemicals Legislation on labelling of chemicals presented to the Beauticians Association of Cyprus.

In addition, as member of the national Committee for Environment and Children's Health, the personnel of the Section participated in an informative podcast on the topic of "Protection of children from dangerous chemicals and other related hazards".

Overall, during 2022, 44 announcements were issued to keep stakeholders and the public informed on specific provisions of the chemicals legislation or on issues related to non-compliant products placed on the European market.

### 1.24.2. European Database for the submission of information for the Poison Centers

From 1.1.2021, companies placing hazardous mixtures on the EU market are obliged to submit harmonised information on the composition of these chemicals at the Central European Database which has been developed and is maintained by the European Chemicals Agency (ECHA). The required information is notified through ECHA's Poison Centre Portal (PCN Submission Portal). The PCN database information is accessible only by the Appointed Bodies of the Member States and their Poison Centres.

Until 31.12.2022, 2.300 mixtures were notified by 856 Cypriot Companies through the PCN Database, with a total of 255.222 notifications submitted by all EU companies.

The DLI, as the National Appointed Body responsible for collecting this information, has actively participated to the European Meetings and consultations in order to proceed to all necessary amendments for the establishment of the new procedures.

### 1.24.3. Inspections, Chemical Analysis of Samples and Prosecutions

In 2022, a total of 350 targeted inspections were carried out at retail and wholesale stores, suppliers of toys, textiles, jewellery and stationery shops, at industries producing and storing chemical products and at suppliers / distributors of other chemicals of consumer or professional use. These inspections include the inspections carried out during customs controls as well as those carried out for the control of chemical precursors, in the context of DLI's contribution to the implementation of the Explosive Precursors Regulation 98/2013.

Targeted campaigns included sampling and control of consumer and industrial products of the Cyprus market. The samples were analysed to identify if they contain restricted chemical substances such as superglues or other professional glues for their Benzene, Toluene and Chloroform content, toys, child care articles as well as other products made of plastic for their Phthalate content (toxic to reproduction), thermal paper for Bisphenol A content, leather articles for their Chromium VI content as well as metal articles for Nickel, Cadmium and Lead content. In addition, the classification, labelling and packaging

of liquid chemical mixtures were checked, in relation to their pH value / corrosivity.

The sampling and the analysis of the products checked for the restrictions of Annex XVII of REACH Regulation were carried out in the framework of the REACH-EN-FORCE-10 (REF-10) campaign of the FORUM Committee, which was carried out during 2022 in all Member States. Campaign results are going to be submitted via completed questionnaires in the first quarter of 2023 and will be available in December 2023.

All non-compliant products were withdrawn from the Cyprus market and the importers / producers were accordingly informed. In addition, all non-compliant products were notified to the RAPEX System and communicated to the local press and the public media for raising public awareness.

Additional information on the inspections of the Chemicals Sector is presented in **Figure 3.7 and Tables 3.7 and 3.8** of the **Appendix.** 

Also, during 2022, the REF-8 campaign of the FORUM was completed. The main goal of this campaign was to check the compliance of chemical products sold online. The controls were dealing with the obligation to provide hazard information in the online offer (advertisement). The results of this campaign were presented at last May in a seminar organised by ECHA with the presence of European Commission representatives. The results were extremely important since they demonstrated that more than 80% of the chemical products sold online are not compliant with the provisions of the legislation.

During 2022, two companies were prosecuted and administrative fines were imposed for breaching the national chemicals legislation for placing non-compliant chemical products on the Cyprus market.

### 1.24.4. Collaboration with the Customs Department

In the frame of the close collaboration with the Customs Department, 772 cases of chemical imports were further investigated in 2022, for their compliance with the Chemicals Legislation. The collaboration with the Customs was considerably improved with the physical presence of an Inspector from the Limassol District Office for a fixed time period per week, at the Limassol Port.

### 1.24.5. Participation to Committees – Working Groups in Cyprus

The DLI is in close cooperation with other Ministries / Departments and provides help and advice on specific issues related to chemicals. In this framework, officers of the DLI actively participated to the Tender Evaluation Committees (a) at the Ministry of Finance and (b) at the Ministry of Health, where they were involved in the evaluation of tenders related to chemical products. Also, they participated to the Plant Protection and Biocides Board, to the Advisory Committee for the evaluation and Authorisation of EU Ecological products and to the Cyprus National Committee on Environment and Child's Health.

In addition, DLI provides support to other Ministries related to chemicals (Ministry of Foreign Affairs for chemical weapons, Ministry of Interior for construction products, Ministry of Commerce for Explosive Precursors and Dual Use Products).

The DLI, as a member of the Advisory Committee of the Plant Protection and Biocides Board, provided its expertise and proceeded to the compliance check of the classification, labeling and packaging of 120 products and the evaluation of their Safety Data Sheets. Similarly, to 2021, during 2022 there was also an increased number of applications for authorisations of Biocidal Products due to the pandemic.

### 1.24.6. Participation to European and International Meetings

During 2022, DLI officers actively participated to the majority of the European Chemicals Agency (ECHA) Committee online meetings, as well as to the meetings of the Competent Authorities for Regulations REACH and CLP. In 2022, the DLI participated to several Presidency and Commission discussions on the European Chemicals Strategy for Sustainability, which is under the European Action Plan for Zero Pollution.

In addition, DLI followed all the international efforts undertaken by the United Nations to control and manage chemicals. During 2022, the annual report of the European Regulation 649/2012, on the import / export of certain hazardous chemicals, has been submitted, as well as the annual survey on the activities of the national CLP and REACH Helpdesks was submitted online to ECHA.

There was also active involvement in a targeted ECHA awareness campaign for the promotion of the legislative obligations related to the submission of information to the Poison Center Data Base.

### 1.25. Legislation Update for Issues of Safety and Health at Work Sector

In 2022, the following legislation was approved by the House of Representatives and published in the Official Gazette of the Republic:

- 1. The Safety and Health at Work (Medical and Laboratory Examinations of Employees working with Anticancer Drugs) Order of 2022 (R.A.A. 365/2022).
- 2. The Safety and Health at Work (Medical and Laboratory Examinations of Employees in factories for preparation, standardization, packaging and repackaging of Plant Protection Products) Order of 2022 (R.A.A. 366/2022).
- 3. The Safety and Health at Work (Approval of Lift Maintenance Persons) Notification of 2022 (R.A.A. 127/2022).
- 4. The Safety and Health at Work (Operation, Maintenance and Audit of Lifting Machines) Notification of 2022 (R.A.A. 231/2022).
- 5. The Safety and Health at Work (Approval of Authorized Lifting Machinery Inspectors)

- Notification of 2022 (R.A.A 334/2022).
- 6. The Safety and Health at Work (Protection from Electricity) Regulations of 2022 (R.A.A. 78/2022).
- 7. The Safety and Health at Work (Fluid Systems) Regulations of 2022 (R.A.A. 305/2022).
- 8. The Safety and Health at Work (Code of Practice for the Protection of Persons at Work During Dust Episodes) Order of 2022 (R.A.A. 405/2022).
- 9. The Factories (Amendment) Law of 2022 (Law 128(I)/2022).
- 10. The Factories Notification of 2022 (R.A.A. 235/2022).
- 11. The Electricity in Factories Special (Abolishing) Regulations of 2022 (R.A.A. 77/2022).
- 12. The Buildings and Works of Engineering Construction (Safety, Health and Welfare) (Abolishing) Notification of 2022 (R.A.A. 233/2022).
- 13. The Safety and Health at Work (Installation, Operation and Audit of Liquefied Petroleum Gas Installations) (No. 2) Notification of 2022 (R.A.A. 322/2022).
- 14. The Safety and Health at Work (Approval of LPG Installers) Notification of 2022 (R.A.A. 332/2022).
- 15. The Safety and Health at Work (Approval of LPG Installation Inspectors) Notification of 2022 (R.A.A. 333/2022).
- 16. The Safety and Health at Work (Code of Practice for the Protection of Persons at Work During Dust Episodes) Order of 2022 (R.A.A. 410/2022).

### 1.26. DLI Actions to Respond to COVID-19 Pandemic

- ❖ DLI, in collaboration with the Ministry of Health and other bodies, developed Guides / Informative Brochures and Health Protocols for the Management of COVID-19 Pandemic and distributed this material to the general public, employers and trade unions as well as other involved stakeholders.
- ❖ Participation in the Technical Committee of the Ministry of Health regarding ventilation systems in internal workplaces, based on the Technical Guidelines on Central Ventilation / Air Conditioning Systems, published by the DLI in February 2021.
- Scheduling and Coordination of Inspections of Construction Sites and Retail Trade Companies. In total, between 1.1.2022 and 30.5.2022, 2.365 inspections were carried out, behalf of the DLI, and 35 sanctions were imposed (Prohibition Notices and extrajudicial fines). It must be pointed out that 497 inspections were of a general nature, 951 were targeted inspections carried out at Construction Sites and 772 took place in other workplaces for informing and assessing the implementation of relevant measures. Also, staff of the DLI and the Department of Labour

Relations carried out a total of 56.662 checks on persons entering inside Shopping Centers or Large Commercial Stores (over 500 sq.m.), regarding the existence / possession of the prescribed "SAFEPASS".

- Continuous presence at mass media and social media and publication of announcements.
- ❖ Market Surveillance for Personal Protective Equipment that meets safety and health standards and in particular the availability of masks.
- ❖ Management of frequently asked questions from public.
- Promotion in cooperation with EU-OSHA, of a new online interactive risk assessment tool for COVID-19. OiRA COVID-19, focuses exclusively on the management of hazards at workplaces due to COVID-19, suggesting preventive and protective measures for the safety, health and well-being of every employee. The tool is free and user friendly, it can be utilized by every business, no matter of size or economic activity and it can be an integrated part of the review of the existing risk assessment that every employer must have in place.
- All year targeted campaign for the promotion of OiRA COVID-19, through the projection of a specific video by tv channels and the social media and the broadcasting of a radio spot from all the radio stations.
- Continuous enlightenment campaign through the dissemination by DLI and other governmental services of guiding leaflets.
- ❖ Informing the Social Partners and the Members of the Pancyprian Safety and Health Council on the actions of DLI.

### 2. RADIATION PROTECTION, ENVIRONMENTAL ISSUES AND EQUIPMENT SECTOR

### 2.1. The Machinery, Pressure Vessels Inspection and Lifts Unit

The Machinery, Pressure Vessels Inspection and Lifts Unit operates with personnel at the Headquarters as well as at the District Offices of the DLI and provides specialised services to the owners of Inspectable Machinery (IM), which include inspection, testing and examination, according to the type of IM.

In **Table 3.9 on page 50**, the maximum legal interval between two consecutive inspections is shown, as well as the corresponding number of inspections for 2022 for each category of IM in comparison with those for 2021. In **Table 3.11 on page 51**, an analysis is shown of the 914 machinery inspections that were carried out in 2022 by the Inspectors, per District and category of IM.

Within the framework of the enforcement of the Safety and Health at Work (Operation, Maintenance and Audit of Lifts) Regulations of 2012 (R.A.A. 533/2012), in 2022, the DLI carried out 3 inspections. Specifically, inspections were carried out at the premises of a Lift Maintenance Person and 2 Authorized Lift Auditors. Moreover, the DLI assessed 32 applications from lift owners, who requested an exemption from the application of certain technical provisions of the Regulations on their lifts. The DLI maintains up-to-date the Register of the Authorised Lift Auditors and the Register of the Lift Maintenance Persons. Both Registers are available at the DLI website. In 2022, 1 new Lift Maintenance Person was approved and 1 more application is under examination. In 2022, 2.831 periodic lift inspections were carried out by the Authorized Lift Auditors while over 19.000 installed lifts are maintained by Lift Maintenance persons.

In 2022, the Health and Safety at Work (Operation, Maintenance and Control of Lifting Machines) Regulations were put into full force, allowing the Chief Inspector to authorize Inspectors of Lifting Machinery. Within 2022, 10 applications as Authorized Lifting Machinery Auditors were evaluated and approved. From 1.9.2022, Authorized Lifting Machinery Auditors (qualified persons from the private sector) carry out the inspections, tests and examinations of lifting appliances. For the period ending on 31.12.2022, 1.387 lifting appliances were audited.

During 2022, the Health and Safety at Work (Fluid Systems) Regulations were partially implemented and more specifically the power of the Chief Inspector to authorize Pressure System Auditors. In the last quarter of the year, the Department of Labour Inspection received 2 applications for authorizations of inspectors / inspection bodies. The persons included in the applications who satisfied the criteria of the legislation, will be invited to attend a written examination in 2023.

### 2.2. Safety and Health Requirements for Products bearing a CE Marking Unit

The CE Marking Products Unit is responsible for the enforcement of the national legislation that transposes the New Approach Directives on the seven following product categories:

1) Machinery, 2) Lifts, 3) Pressure Equipment, 4) Simple Pressure Vessels, 5) Personal Protective Equipment (PPE), 6) Equipment and Protective Systems for Use in Explosive Atmospheres and 7) Noise Emission in the Environment by Equipment for Outdoors Use.

The enforcement of the CE legislation is achieved through market surveillance on a sample basis, as well as after information or complaints, which is received regarding non-conforming products. Such information is usually received from the Customs Authorities, other market surveillance authorities or from consumers. Periodically, random inspections at retail outlets and undertakings are carried out based on a special Market Surveillance Programme prepared by the Unit for the Cyprus market. Specifically, during 2022, 13 market surveillance activities were carried out that included specialized inspections to

investigate requests for deviation from the application of essential requirement 2.2. of the European Directive for Lifts. Also, from the data collected from the lift installers, 742 new lifts were installed during 2022.

In the framework of the implementation of European Regulation (EU) 2019/1020 on market surveillance and product compliance, the Unit prepared and implemented a relevant Market Surveillance Strategy, which was part of the National Market Surveillance Strategy notified to the European Commission.

Furthermore, in cooperation with the Customs Authorities at the stage of importing new products into Cyprus, 160 inspections were carried out at the port of Limassol. For 12 cases of non-compliant products that were found, the Customs Authorities took measures by prohibiting the products clearance and their placement on the market. Specifically, the import of non-compliant products such as protective masks, gloves, mechanical press and mixer, electric trolleys, lifting machines, marble cutting machine, machine for sorting agricultural products, machines for lifting glasses, etc. was prohibited.

Moreover, following information from the Consumer Protection Service about flotation aids, compliance measures were taken and their placing on the market was prohibited. A Withdrawal Notice was also issued on a non-compliant lifting machine and a Suspension Notice was issued for a non-compliant high water pressure machine.

A pan-European campaign, which was funded entirely by the European Commission, in which the DLI participated, was completed in 2022. The campaign included sampling and laboratory testing of bicycle helmets and safety vests at an accredited laboratory to check their compliance, as well as sharing experiences on market surveillance actions between Member States. The European Commission awarded the Department of Labour Inspection the award for this particular campaign as the competent authority that requested the most measures. The DLI also participates in two horizontal actions financed by the European Union in order to strengthen the expertise of the Department.

In addition, a Labour Inspection Officer, who chairs the Lifts Administrative Cooperation Group (AdCo) at EU level, participated in the Lifts Committee of the European Union, which took place online and presented the activities of the Group for 2022.

Additionally, the CE Marked Equipment Sector issued 43 Announcements and informed the public for dangerous products and equipment. These Announcements were uploaded on the DLI website, the social media and the electronic press. Such non-compliant products intended for public use, were identified on the European market and posted on the Rapid Alert System (RAPEX) for non-food dangerous products. An announcement was also prepared to inform employees and the public about an investigation of an accident involving a lift only for objects.

### 2.3. Storage and Installations LPG Unit

During 2022, the LPG Installations Unit of the Machinery and Equipment Sector carried out specific inspections on Liquefied Petroleum Gas storage and installation facilities as well as autogas refueling stations. In this respect, the DLI Inspectors at premises where LPG is used / stored carried out 444 inspections. The Inspectors also examined 30 complaints of the public concerning LPG installations. In addition, 15 inspections were carried out on canteen type vehicles that use LPG and 11 inspections were carried out on LPG vehicle conversion workshops and petrol stations with autogas. The number of the LPG inspections for 2022 per District is shown in **Table 3.10 on page 51.** 

Inspectors of the Unit also provided technical guidance on the interpretation of LPG legislation to LPG installers and importers of LPG equipment. In addition, the Unit enforced provisional terms of new industrial installations that will store large quantities of LPG and for new petrol stations with autogas.

In the framework of the modernization of the legal framework for LPG, the public consultation for the amendment of the Codes of Practice for LPG concerning small and large LPG installations was completed. The approved comments received were incorporated into the texts of the Codes and the new Codes are expected to be issued in 2023.

Also, from 1.9.2022, the Safety and Health at Work (Installation, Operation, Maintenance and Control of LPG Installations) Regulations of 2021 (R.A.A. 189/2021) came into full force. They constitute the new legal framework for LPG. Within 2022, persons wishing to be approved as LPG Installers or Authorized LPG Auditors submitted 19 applications. In total, 9 LPG Installers and 6 Authorized LPG Inspectors were approved after they successfully passed the written exams and are already providing their services.

### 2.4. Radiation Protection and Nuclear Safety (RP&NS)

The Radiation Inspection and Control Service (RICS), operating within the DLI as the Radiation Protection Section, was established under the Protection against Ionising Radiation and Nuclear and Radiological Safety and Security legislation.

### 2.4.1. Revision and Improvement of RP&NS Legislative Framework

In 2022, following the 2018 enactment of the main RP&NS Law and Regulations, the harmonisation process with BSS Directive 2013/59/Euratom and the International Atomic Energy Agency (IAEA) standards GSR Parts 1 and 3 continued.

In 2022, The Protection against Ionising Radiation and Nuclear and Radiological Safety and Security (Standards (General Conditions) for Authorisation through Registration for the Import, Export, Supply,

Transport and other Practices with Radiation Generators for Medical or Non-Medical Exposures) Notification of 2022 (R.A.A. 336/2022) were published.

## 2.4.2. Implementation of a RP&NS Integrated Regulatory System (Authorisation, Inspection and Compliance Control) - Record Keeping

In 2022, RICS personnel performed 227 inspections, including measurements in workplaces, medical centres and other premises where activities with ionising or non-ionising radiation take place. The general outcome from the inspections is that, in general, there is compliance of the enterprises with the legislation on the conditions of the licenses. The main issue observed was that a number of radiological centres do not comply with the requirement of performing quality assurance checks at least once per year. 15 improvement notices and 1 fixed penalty were issued.

In addition, there were 4 meetings of the Technical Licensing Committee resulting in the granting of 40 Authorisations through licensing for practices with ionising radiation as well as 105 Authorisations through registration and 60 Authorisations to enterprises for the import / export / shipment of radioactive sources or radioisotopes. Additionally, 195 certificates for radioactivity levels in recyclable metals, plastics, batteries, feed, foodstuff and beverages, for the purpose of exportation, were issued. Finally, there were 2 approvals for RP&NS services.

RICS in 2022 continued updating and upgrading the National Registers of Ionising Radiation Sources and Practices, the National Personal Dosimetry Register of Workers exposed to ionising radiation, as well as the Radioactive Waste and Disused Sources Register.

### 2.4.3. Improvement of the Organisation and Strengthening of the RP&NS System in Cyprus

RICS continued its work on meeting the recommendations of the peer review of the RP&NS system and the competent authority of Cyprus that took place in 2017.

In 2022, RICS continued updating the 6 thematic areas in the IAEA "Radiation Safety Information System" (RASIMS-2).

In 2022 the public exposure doses from construction materials and nuclear medicine were collected and assessed.

Finally, the implementation of the two national projects for 2020-2023 aimed at strengthening the capabilities of the involved services in radiation safety and in the management of radioactive waste and disused radioactive sealed sources continued.

### 2.4.4. Monitoring of Environmental Radioactivity

The monitoring, sampling and measuring of radioactivity levels in air, soil, water, the marine environment, foodstuff, feed, materials from the hydrocarbon exploitation industry, building materials and miscellaneous goods continued in 2022, in collaboration with the State General Laboratory and the Department for Fisheries and Marine Research. In addition, drinking water was sampled from the main drinking water sources.

The telemetric network for the monitoring of environmental radioactivity in the atmosphere of Cyprus, which also functions as the early warning system in the event of a radiological incident has seven fixed local measuring stations covering the entire area under the control of the Republic, a portable gamma-radioisotope spectroscopic measuring station and a fixed total  $\alpha$ -radiation, total  $\beta$ -radiation and  $\gamma$ -radioisotopes spectroscopic station for aerosol. The telemetric network is also linked to the European network EURDEP and sends data automatically (on an hourly basis) to the EU Joint Research Centre. The national radioactivity monitoring network, in addition to the telemetric network, includes two automatic air sampling pumps, one in Nicosia and one in Limassol, for measurements of total  $\beta$ -radiation in the atmosphere and an automatic high-volume sampling pump in Nicosia for the monitoring of  $\gamma$ -radioisotope concentrations in the atmosphere.

RICS, having completed the digital mapping of radon concentration in buildings, schools and workplace environments in Cyprus through a 3-year project, started a new 2-year project on the mapping of radon in the ground and drinking water.

In June 2022, Cyprus sent the results of the environmental monitoring for 2021 to the European Commission data bank REM (Radioactivity Environmental Monitoring).

## 2.4.5. National Action Plan ELECTRA for Nuclear / Radiological Incident Preparedness and Response

In 2022, the actions to upgrade the emergency preparedness framework for dealing with radiological / nuclear incidents continued through the implementation of the ELECTRA National Plan. A multi-agency exercise was organised in Limassol port.

In 2022, RICS also participated in IAEA (ConvEx) and EU (ECUREX) Preparedness and Response exercises and related meetings.

# 2.4.6. Implementation of an Integrated Radioactive Waste Management System in Cyprus

The implementation of actions under the National Programme for the Safe and Responsible Management

of Radioactive Waste, approved by the Minister of Labour, Welfare and Social Insurance in 2015, continued in 2020. The National Register of Radioactive Waste and Disused Sources is updated on a continuous basis, whenever there is a change.

A peer review on radioactive waste management, ARTEMIS, took place in May 2022, and the report was delivered in September 2022.

# 2.4.7. Strengthening International Cooperation on RP&NS (EURATOM, IAEA, International Organisations or other countries) – IAEA Regional Programmes

RICS participated virtually in various Committees of EURATOM and other European bodies and organisations (ENSREG, Euratom Art. 31 and Art. 35/36 GoE, ECURIE/EURDEP, HERCA, WENRA, F4E, STC) and of the IAEA (IEC, ITDB, TC). It also participated virtually or physically in various meetings including the IAEA General Conference, where a statement was read, various other IAEA meetings and activities, as well as in counter-terrorism meetings and activities. RICS provided requested information and replied to questionnaires to the EU, the IAEA, HERCA and the UN (UNSCEAR) on RP&NS issues.

In 2022, RICS participated in various IAEA Technical Cooperation Programmes aimed at building up the capacity of the RP & NS system, as well as at upgrading the relevant infrastructure and capabilities of Cyprus. A regional meeting on occupational exposure was hosted in Cyprus in June 2022. Within the framework of the above programmes, officers from RICS and other agencies and organisations participated in several meetings of the IAEA and were trained on relevant subjects. There was also significant free technical assistance provided to Cyprus in the form of equipment, software and consumables. This assistance came to hundreds of thousands of Euros. Finally, in 2022, in the framework of the implementation of the bilateral agreement signed in 2008, the cooperation of RICS with the Greek Atomic Energy Commission (EEAE) continued.

### 2.5. Air Quality

### 2.5.1. Ambient Air Quality Monitoring

During 2022, DLI continued the measurements for monitoring of ambient air quality in various points of Cyprus, as shown in the map of **Picture 3.1** of the **Appendix**. The aforementioned measurements were carried out using nine Stations, fully equipped with automatic real time instruments measuring the following pollutants: Nitric Oxide, Nitrogen Dioxide and Nitrogen Oxides (NO, NO<sub>2</sub> and NO<sub>x</sub>), Ozone (O<sub>3</sub>), Sulphur Dioxide (SO<sub>2</sub>), Carbon Monoxide (CO), Suspended Particles (PM-Particulate Matter) (dust) and Benzene ( $C_6H_6$ ). In addition, the most important meteorological parameters are monitored such as Wind Direction, Wind Speed, Ambient Temperature, Relative Humidity, Atmospheric Pressure

and Solar Radiation. A photo of a representative station is shown in **Picture 3.2** of the **Appendix**.

The results of the measurements as well as other relevant information are presented on-line, through the specialized website www.airquality.gov.cy. In addition, informing the public for the air quality is carried out through 4 island-wide TV stations during the central news bulletin. Also, the air quality bulletin is published by the daily newspaper Cyprus Mail in English language.

It is noted that, since 2017 the Department of Labour Inspection operates a mobile phone application with the aim to directly inform the public, especially the vulnerable population groups, the employees and other interested people. Through this application, the visitor has access to the information for the air quality, in real time, based on the different colors of pollution levels on Cyprus map, as well as based on the concentrations of pollutants per station.

### 2.5.2. Dust Events

During 2022, dust events were observed due to dust transport from the dry regions (deserts) of North Africa and Middle East areas. In 2022, 16 announcements were issued for high concentrations of Particulate Matter (PM) in the atmosphere of Cyprus to warn the public and especially the vulnerable groups (children, the elderly and patients) and the workers working in open spaces.

On 4.11.2022 was published the Order "The Safety and Health at Work (Code of Practice for the Protection of Persons at Work During Dust Episodes) Order of 2022" (R.A.A. 410/2022). The Code provides practical guidance on the obligations imposed by legislation and covers the actions of employers and the self-employed during dust events.

### 2.5.3. Suspended Particulate Matter Measurements

The measurements of concentrations of the Suspended Particles (PM) using special filters with dedicated samplers in all towns of Cyprus continued during 2022. From these samplings, firstly the concentrations of PM<sub>10</sub> and PM<sub>2.5</sub> are calculated and then chemical analyses of these filters are carried out in specialised analytical laboratories for the determination of the concentrations of heavy metals (As, Cd, Ni, Hg, Pb), other metals (Al, Fe, Cu, Zn, Mn, Ti, Cr, V), ions (Cl<sup>-</sup>, Br<sup>-</sup>, SO<sub>4</sub><sup>2-</sup>, PO<sub>4</sub><sup>3-</sup>, NO<sub>3</sub><sup>-</sup>, Na<sup>+</sup>, K<sup>+</sup>, NH<sub>4</sub><sup>+</sup>, Mg<sup>2+</sup>, Ca<sup>2+</sup>) and Polycyclic Aromatic Hydrocarbons (PAH's) included in the PM.

### 2.5.4. Evaluation of the Results of Measurements

This report refers to the results of the measurements of 2021, because the measurements' validation procedure (hourly, daily) and the chemical analyses of the filters for PM are difficult and time-consuming procedures so the processing of measurements of 2021 was completed in 2022.

The results of the measurements of the major atmospheric pollutants at the areas which measurements are carried out show that the concentrations of most pollutants, like Sulphur Dioxide (SO<sub>2</sub>), Carbon Monoxide (CO), Nitrogen Monoxide, Nitrogen Dioxide and Nitrogen Oxides (NO, NO<sub>2</sub> and NO<sub>x</sub>), Benzene (C<sub>6</sub>H<sub>6</sub>), heavy metals and benzo(a)pyrene are below the corresponding limit values, specified in the Cyprus and European Legislation. Exception exists in cases of Ozone (O<sub>3</sub>) and Particulate Matter (PM<sub>10</sub>) where exceedances of the limit values are observed.

The results of the measurements are presented from **Figure 3.8** on page 53 to **Figure 3.12** on page 56 of the **Appendix**. Specifically, in **Figure 3.8**, the annual mean values of various pollutants at the Nicosia Traffic Station are presented, from 2000 to 2021, where a constant decline of the concentration of the pollutants NO<sub>2</sub>, CO and SO<sub>2</sub> is observed. This decline is mainly due to the improvement of fuel quality, the introduction of modern technology vehicles equipped with catalyst and the routine technical inspection of all vehicles.

Figure 3.9 on page 53 of the Appendix, shows the annual mean concentrations of  $O_3$  at three representative areas (background, residential area and increased traffic area). The relevant exceedances of the target value are mostly due to the climatic conditions prevalent in Cyprus, where high ambient temperatures and high solar radiation contribute to the production of  $O_3$ , as well as due to the transboundary pollution of the  $O_3$  and  $O_3$  precursor's transportation from the East Mediterranean and other neighboring countries.

**Figure 3.10 on page 54** of the **Appendix**, shows the annual average values of Particulate Matter (PM<sub>10</sub>) at the Traffic Stations of Nicosia (NICTRA), Limassol (LIMTRA), Larnaca (LARTRA) Pafos (PAFTRA) and Paralimni (PARTRA) and at the Rural Background Station of Ayia Marina Xyliatou (EMEP) for the years 2010 to 2021. Despite the exceedances, during the last years there is a small reduction in the PM<sub>10</sub> concentration. The exceedances of the limit value of PM<sub>10</sub> observed are due to anthropogenic and natural sources. The anthropogenic sources are the emissions from combustion (vehicles, industry and heating) and natural sources are dust transportation from the deserts of North Africa, Middle East and the sea salt.

**Figure 3.11 on page 55** of the **Appendix**, shows the number of exceedances of the daily limit value of  $PM_{10}$  (50 µg/m<sup>3</sup>) at the traffic stations. In 2021, at the Nicosia, Limassol, Larnaca and Paralimni traffic stations the number of exceedances exceeds the maximum allowed number of 35 per year. It is noted that, after the subtraction of the number of the exceedances due to natural sources (sea salt, dust from Sahara and Asia) the final number of exceedances is below 35 in all traffic stations.

**Figure 3.12 on page 56** of the **Appendix**, shows the annual average values of PM<sub>2.5</sub> at the Residential Stations and EMEP Background Station at Ayia Marina Xyliatou. The measurements in the Residential Stations for the last three years (2019-2021), were used to calculate the Average Exposure Index (AEI).

The AEI calculated is 14,23  $\mu$ g/m<sup>3</sup>. Based on the relevant legislation, the national exposure reduction target for PM<sub>2.5</sub> for the protection of human health, for 2020, is defined to be 18  $\mu$ g/m<sup>3</sup>.

In order to handle the problem of the exceedances, especially for the PM<sub>10</sub>, and to improve air quality concerning the other pollutants, the DLI prepared an Action Plan for the Improvement of Air Quality, which was approved by the Council of Ministers in 2008 and was submitted to the European Commission. The progress of implementing the measures of the Action Plan is monitored by the DLI, as the Competent Authority, through a Technical Committee, which is prescribed in the relevant legislation and where representatives from five Ministries, the Cyprus Scientific and Technical Chamber and the Federation of Environmental Organisations of Cyprus. Due to the pandemic, the Technical Committee did not meet in 2022. DLI contacted the members of the Technical Committee and received information on the progress of the implementation of the measures of the Action Plan. Therefore, the table of measures was revised with the new information. At the same time, the study for the identification of sources of PM<sub>10</sub> with chemical analyses was continued, to determine the percentage of natural sources contribution so that realistic measures can be applied for the reduction of anthropogenic sources.

### 2.5.5. National Air Quality Reference Laboratory (NRL)

The NRL was accredited by the Cyprus Organization for the Promotion of Quality (CYS-CYSAB) according to the CYS EN ISO/IEC 17025 standard from 6.6.2013 for four years. The inspection of conformity to the standard is done annually. On 19 and 20.6.2017 the reassessment of the entire Quality Assurance System by the CYS-CYSAB was successfully carried out and the Accreditation of the Laboratory and the Air Quality Monitoring Network was renewed for the next four years with annual surveys. In addition, in 2 and 3.12.2019 the NRL and the Air Quality Monitoring Network were inspected successfully with the revised standard CYS EN ISO/IEC 17025:2017. Also, on 25 and 26.10.2021, the entire Quality Assurance System was successfully re-evaluated by the CYS-CYSAB and the accreditation of the Laboratory and the Air Quality Monitoring Network was renewed for another four years with annual supervision. Finally, on 23-24.5.2022 the annual evaluation of the laboratory by the Accreditation Body was successfully carried out.

The NRL participates in mandatory Laboratory Intercomparisons at the Joint Research Center (Ispra - Italy) of the European Union every three years, as obliged by the relevant EU Directive for the Air Quality. These intercomparisons concern all methods of measurement with the instruments of the NRL of the various atmospheric pollutants for which measurements are made.

#### 2.5.6. Annual National Air Pollutant Emissions

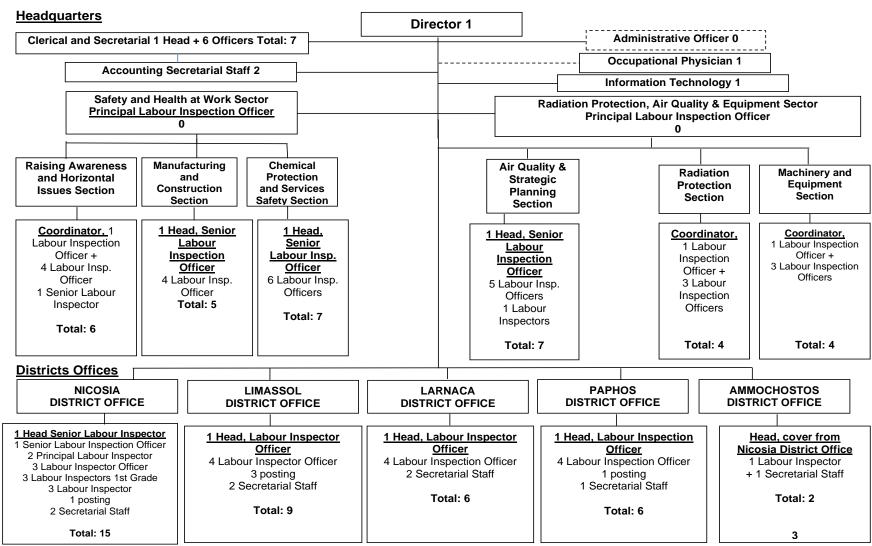
The DLI, acting as the National Focal Point for the 1979 Convention on Long-Range Transboundary Air Pollution, was actively involved in the Convention's activities and its Protocols in 2022. Within this

framework, during 2022 the annual emissions of the air pollutants of Cyprus were calculated for the year 2020 and were forwarded to the Executive Body of the Convention and to the European Environment Agency. These data have been included in the relative reports published by the Executive Body of the Convention. In **Table 3.12 on page 58 and in Figure 3.13-3.19 on pages 58 and 59** of the **Appendix**, the total annual air pollutant emissions per activity for the year 2020 are shown.

# 3. APPENDIX

Chart 3.1: Organizational Chart and Personnel of the Department of Labour Inspection (DLI) 2022

#### 15.21.1 ORGANIZATIONAL CHART AND PERSONNEL OF THE DEPARTMENT OF LABOUR INSPECTION (DLI) – MARCH 2023



DLI Budget Permanent Posts: 85, [(Appointed 65, Vacant Posts 20), Supporting Staff: Clerical & Secretarial 16, Occupational Physician 1, Information Technology 2, Cleaners (equivalent) 5, Messengers 3 (equivalent), Provisional Additional staff: 2, Secondment Inspectors from other Public Services including the Occupational Physician 8. Displaced persons from DLI to MLSI 3. Total servicing in DLI: Grand Total 100

Table 3.1: Inspection Program for Safety and Health at Work for the Year 2022 – Yearly and Monthly Inspection Activities

S/N	INSPECTION ACTIVITIES	JUN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	ост	NOV	DEC
	PART A – THROUGHOUT THE YEAR					ı		ı					
1	Re-inspection of work places at which a Contravention Letter has been sent or an Improvement Notice has been issued either in the previous or current year.												
2	Audit of Safety issues management (External and Internal Protection and Prevention Services, Safety Officers)												
3	Examination of applications for the issue of a Planning Permit / Building Permit / Certificates of Final Approval.												
4	Examination of applications and inspection for the issue of a Factory Registration Certificate												
5	Inspection in Nursing Activities (Hospitals, Private clinics, P8610)												
6	Inspections for the Safe Storage of Petroleum Products												
7	Control of Smoking at Workplaces												
8	Control at workplaces where foreign workers are employed, upon information received by the Labour Department												
9	Inspections at units where dangerous chemical substances of "Seveso" category are stored/used.												
10	Inspections of Manual handling of loads / Prevention of musculoskeletal disorders												
11	Inspections at the Constructor Sector (F41- 43)												
12	Inspections at premises of the Mining and Quarrying Industry												
	PART B – ON A MONTHLY BASIS												
13	Inspection of Covid-19 prevention measures at workplaces												
14	Warehouses (H52) and whole sale trade (G46)												
15	Manufacture and Storage of Chemicals substances, [(pesticides, basic pharmaceutical products, plastics and rubber) (C19-22)]												
16	Campaign in processing facilities that have not been inspected in the last 5 years												
17	Protection of workers from Heat stress [Work sites (F41- 43)												

Table 3.2: Inspections of Undertakings for the Year 2022 for Safety and Health at Work Issues

		DISTRICT										*						
S/N	ECONOMIC ACTIVITY		NICOSIA			LIMASSO	L	F	AMAGUST	ГА		LARNACA	1		PAPHOS		то	TAL
		No.	%(1)	%(2)	No.	%(1)	%(2)	No.	%(1)	%(2)	No.	%(1)	%(2)	No.	%(1)	%(2)	No.	%(3)
1	SECTION A — AGRICULTURE, FORESTRY AND FISHING	14	0%	40,0%	11	0%	31,4%	1	0%	2,9%	7	0%	20,0%	2	0%	5,7%	35	0%
2	SECTION B — MINING AND QUARRYING	8	0%	47,1%	6	0%	35,3%	0	0%	0,0%	3	0%	17,6%	0	0%	0,0%	17	0%
3	SECTION C — MANUFACTURING	289	0%	28,4%	370	0%	36,4%	63	0%	6,2%	221	0%	21,8%	73	0%	7,2%	1016	0%
4	SECTION D — ELECTRICITY, GAS, STEAM AND AIR CONDITIONING SUPPLY	3	0%	12,5%	5	0%	20,8%	0	0%	0,0%	16	0%	66,7%	0	0%	0,0%	24	0%
5	SECTION E — WATER SUPPLY; SEWERAGE, WASTE MANAGEMENT AND REMEDIATION ACTIVITIES	9	0%	18,4%	17	0%	34,7%	2	0%	4,1%	11	0%	22,4%	10	0%	20,4%	49	0%
6	SECTION F — CONSTRUCTION	912	0%	36,7%	515	0%	20,7%	33	0%	1,3%	252	0%	10,1%	776	0%	31,2%	2488	0%
7	SECTION G — WHOLESALE AND RETAIL TRADE; REPAIR OF MOTOR VEHICLES AND MOTORCYCLES	348	0%	24,4%	489	0%	34,3%	118	0%	8,3%	232	0%	16,3%	240	0%	16,8%	1427	0%
8	SECTION H — TRANSPORTATION AND STORAGE	63	0%	36,2%	41	0%	23,6%	3	0%	1,7%	53	0%	30,5%	14	0%	8,0%	174	0%
9	SECTION I — ACCOMMODATION AND FOOD SERVICE ACTIVITIES	87	0%	34,0%	46	0%	18,0%	17	0%	6,6%	47	0%	18,4%	59	0%	23,0%	256	0%
10	SECTION J — INFORMATION AND COMMUNICATION	6	0%	42,9%	3	0%	21,4%	0	0%	0,0%	5	0%	35,7%	0	0%	0,0%	14	0%
11	SECTION K — FINANCIAL AND INSURANCE ACTIVITIES	3	0%	50,0%	1	0%	16,7%	0	0%	0,0%	2	0%	33,3%	0	0%	0,0%	6	0%
12	SECTION L — REAL ESTATE ACTIVITIES	1	0%	2,8%	7	0%	19,4%	0	0%	0,0%	25	0%	69,4%	3	0%	8,3%	36	0%
13	SECTION M — PROFESSIONAL, SCIENTIFIC AND TECHNICAL ACTIVITIES	20	0%	31,7%	31	0%	49,2%	1	0%	1,6%	4	0%	6,3%	7	0%	11,1%	63	0%
14	SECTION N — ADMINISTRATIVE AND SUPPORT SERVICE ACTIVITIES	16	0%	45,7%	5	0%	14,3%	1	0%	2,9%	11	0%	31,4%	2	0%	5,7%	35	0%
15	SECTION O — PUBLIC ADMINISTRATION AND DEFENCE; COMPULSORY SOCIAL SECURITY	38	0%	59,4%	7	0%	10,9%	3	0%	4,7%	12	0%	18,8%	4	0%	6,3%	64	0%
16	SECTION P — EDUCATION	19	0%	43,2%	7	0%	15,9%	2	0%	4,5%	10	0%	22,7%	6	0%	13,6%	44	0%
17	SECTION Q — HUMAN HEALTH AND SOCIAL WORK ACTIVITIES	39	0%	53,4%	14	0%	19,2%	6	0%	8,2%	13	0%	17,8%	1	0%	1,4%	73	0%
18	SECTION R — ARTS, ENTERTAINMENT AND RECREATION	14	0%	35,0%	13	0%	32,5%	3	0%	7,5%	6	0%	15,0%	4	0%	10,0%	40	0%
19	SECTION S — OTHER SERVICE ACTIVITIES	29	0%	29,9%	32	0%	33,0%	14	0%	14,4%	12	0%	12,4%	10	0%	10,3%	97	0%
20	SECTION T — ACTIVITIES OF HOUSEHOLDS AS EMPLOYERS; UNDIFFERENTIATED GOODS- AND SERVICES-PRODUCING ACTIVITIES OF HOUSEHOLDS FOR OWN USE	9	0%	69,2%	1	0%	7,7%	0	0%	0,0%	3	0%	23,1%	0	0%	0,0%	13	0%
21	SECTION U — ACTIVITIES OF EXTRATERRITORIAL ORGANISATIONS AND BODIES	0	0%	0%	0	0%	0%	0	0%	0%	0	0%	0%	0	0%	0%	0	0%
	TOTAL NO. OF INSPECTIONS	32,3%		1621	27,1	%	267	4,59	%	945 15,8%		%	1211 20,3%		%	59	71	
			(%4	4)		(%4	1)		(%4	)		(%4	1)		(%4	)		

<sup>%1:</sup> Percentage contribution of District Inspections for the specific Economic Activity, on the total number of District Inspections.

<sup>%2:</sup> Percentage contribution of District Inspections for the specific Economic Activity, on the Cyprus wide total number of Inspections of the same Economic Activity.

<sup>%3:</sup> Percentage contribution of Cyprus wide Inspections for the specific Economic Activity, on the total number of Inspections.

<sup>%4:</sup> Percentage contribution of District Inspections on the total number of Inspections Cyprus wide.

Table 3.3: Number of Contraventions and Fines imposed on 29 Legal Proceedings completed in 2022 for Safety and Health issues in comparison with previous years

No	Laws / Regulations			ber of vention	$\mathbf{s}^1$	Total amount of fines charged in €						
	-	2019	2020	2021	2022	2019	2020	2021	2022			
1	The Safety and Health at Work Law of 1996 - 2015	11	13	28	23	32500	14400	39650	59050			
2	The Safety and Health at Work (Accidents and Dangerous Occurrences Notification) Regulations of 2007	3	4	4	13	1600	1550	2350	14450			
3	The Safety and Health (Minimum Requirements for Temporary or Mobile Construction Sites) Regulations of 2002 and 2015	6	7	33	55	6250	22000	68300	101333			
4	The Management of Safety and Health Issues at Work Regulations of 2002	5	19	33	12 <sup>2</sup>	5250	12300	32100	18700			
5	The Minimum Requirements for Safety and Health (Use of Work Equipment at Work) Regulations of 2001 and 2004	13	8	24 <sup>3</sup>	94	39500	7600	33550	11717			
6	The Minimum Requirements for Safety and Health at the Workplace Regulations of 2002 and 2004	2	5	1	4	1450	2450	3450	1700			
7	The Minimum Requirements for Safety and Health (Use of Personal Protective Equipment at Work) Regulations of 2001	0	0	3	0	0	0	3750	0			
8	The Employer's Liability (Compulsory Insurance) Laws of 1989 - 2011	0	2	5 <sup>5</sup>	4	0	1250	1850	2500			
9	The Safety and Health at Work (Protection from Asbestos) Regulations of 2006 and 2015	0	0	2	0	0	0	3000	0			
10	The Safety and Health at Work (Biological Agents) Regulations of 2001	0	1	0	0	0	850	0	0			
11	The Safety and Health at Work (Chemical Agents) Regulations of 2001 - 2012	1	1	0	0	500	850	0	0			
12	The Safety Committees at Work Regulations of 1997	0	0	0	0	0	0	0	0			
13	The Essential Requirements (Machinery) Regulations of 2003 (abolished in 29/12/2009)	0	0	2	0	0	0	1550	0			
14	The Minimum Requirements for Safety and Health at Work (Mining via Drilling Industries) Regulations of 2002	0	0	0	3	0	0	0	4000			
15	The Minimum Requirements for Safety and Health at Work (Surface and Underground Extractive Industries) Regulations of 2002	0	0	3	5	0	0	1050	19000			
	ΣΥΝΟΛΟ	41	60	138	128	87050	63250	190600	232450			

<sup>&</sup>lt;sup>1</sup>It is noted that a case being tried may involve more than one violation.

<sup>&</sup>lt;sup>2</sup> One of the convictions resulted in a 2-month prison sentence suspended for three years. <sup>3</sup> One of the convictions resulted in a 6-month prison sentence suspended for two years.

<sup>&</sup>lt;sup>4</sup> One of the convictions resulted in a 2-month prison sentence suspended for three years. <sup>5</sup> One of the convictions resulted in a 2-month prison sentence suspended for three years.

Table 3.4: Analysis of Work Accidents for the Year 2022 by Economic Activity Sector, Gender, Age, Degree of Injury & Causation (Employed Persons only, during their work)

	Degree of Injury & Causai		ргојс						URY		20010		222	
				GEN	DER	,	AGE		REE		C	AUSATI	ON	
S/N	ECONOMIC ACTIVITY (NACE 2)	NO. OF ACCIDENTS	%	Male	Female	Under 18	8 and Above	Fatal	Non Fatal	Buildings / Structures	Machinery / Equipment	Transportation Means	Materials / Substances	Other Causes
1	SECTION A — AGRICULTURE, FORESTRY AND FISHING	25	1,87%	24	1	0	25	1	24	8	6	4	5	2
2	Crop and animal production, hunting and related service activities	12	0,90%	12	0	0	12	1	11	2	3	2	3	2
3	Forestry and logging	4 9	0,30%	3	1	0	9	0	9	1 5	1 2	1	1	0
5	Fishing and aquaculture SECTION B — MINING AND QUARRYING	6	0,45%	6	0	0	6	0	6	2	2	1	1	0
6	Mining of coal and lignite	0	0.00%	0	0	0	0	0	0	0	0	0	0	0
7	Extraction of crude petroleum and natural gas	0	0.00%	0	0	0	0	0	0	0	0	0	0	0
8	Mining of metal ores	2	0,15%	2	0	0	2	0	2	1	0	0	1	0
9	Other mining and quarrying	4	0,30%	4	0	0	4	0	4	1	2	1	0	0
10	Mining support service activities	0	0,00%	0	0	0	0	0	0	0	0	0	0	0
11	SECTION C — MANUFACTURING	236	17,68%	188	48	0	236	1	<b>235</b> 89	73	79	15	66	2
12	Manufacture of food products  Manufacture of beverages	90 16	6,74% 1,20%	61 15	29	0	90	0	16	30	30 6	6	22 6	0
14	Manufacture of tobacco products	0	0,00%	0	0	0	0	0	0	0	0	0	0	0
15	Manufacture of textiles	0	0,00%	0	0	0	0	0	0	0	0	0	0	0
16	Manufacture of wearing apparel  Manufacture of leather and related products	0	0,00%	0	0	0	0	0	0	0	0	0	0	0
18	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	9	0,67%	9	0	0	9	0	9	1	7	0	1	0
19	Manufacture of paper and paper products	5	0,37%	5	0	0	5	0	5	1	3	0	1	0
20	Printing and reproduction of recorded media	2	0,15%	1	1	0	2	0	2	1	0	0	1	0
21	Manufacture of coke and refined petroleum products  Manufacture of chemicals and chemical products	3	0,07%	1	0	0	3	0	3	3	0	0	0	0
23	Manufacture of basic pharmaceutical products and	18	1,35%	9	9	0	18	0	18	6	7	0	5	0
24	pharmaceutical preparations  Manufacture of rubber and plastic products	12	0,90%	11	1	0	12	0	12	5	5	1	1	0
25	Manufacture of other non-metallic mineral products	36	2,70%	36	0	0	36	0	36	8	9	5	13	1
26 27	Manufacture of basic metals Manufacture of fabricated metal products, except machinery and	24	0,07% 1,80%	24	0	0	24	0	24	7	6	2	9	0
28	equipment  Manufacture of computer, electronic and optical products	0	0.00%	0	0	0	0	0	0	0	0	0	0	0
29	Manufacture of electrical equipment	3	0,22%	3	0	0	3	0	3	0	2	0	1	0
30	Manufacture of machinery and equipment n.e.c.	2	0,30%	0	0	0	2	0	2	3	0	0	0	0
31	Manufacture of motor vehicles, trailers and semi-trailers  Manufacture of other transport equipment	1	0,15%	0	1	0	1	0	1	1	0	0	0	0
33	Manufacture of furniture	7	0,52%	6	1	0	7	0	7	2	2	0	3	0
34	Other manufacturing	0	0,00%	0	0	0	0	0	0	0	0	0	0	0
35 36	Repair and installation of machinery and equipment SECTION D — ELECTRICITY, GAS, STEAM AND AIR CONDITIONING SUPPLY	11	0,15%	11	0	0	11	0	2 11	3	2	5	0	1
37	Electricity, gas, steam and air conditioning supply	11	0,82%	11	0	0	11	0	11	3	2	5	0	1
38	SECTION E — WATER SUPPLY SEWERAGE, WASTE MANAGEMENT AND REMEDIATION ACTIVITIES	17	1,27%	17	0	0	17	0	17	4	3	6	3	1
39	Water collection, treatment and supply	2	0,15%	2	0	0	2	0	2	1	0	1	0	0
	Sewerage Waste collection, treatment and disposal activities, materials	6	0,45%	6	0	0	6	0	6	2	0	2	1	1
41	recovery	7	0,52%	7	0	0	7	0	7	1	2	2	2	0
42 43	Remediation activities and other waste management services SECTION F — CONSTRUCTION	2 255	0,15% 19,10%	2 252	3	0	2 255	0	2 251	163	30	1 12	0 42	0
44	Construction of buildings	166	12,43%	164	2	0	166	2	164	102	22	7	32	3
45	Civil engineering	9	0,67%	9	0	0	9	1	8	6	2	0	1	0
46 47	Specialised construction activities SECTION G — WHOLESALE AND RETAIL TRADE, REPAIR	80 183	5,99% 13,71%	79 <b>120</b>	63	0	80 183	0	79 <b>183</b>	55 <b>52</b>	6 <b>59</b>	5 21	9	7
48	OF MOTOR VEHICLES AND MOTORCYCLES Wholesale and retail trade and repair of motor vehicles and	23	1,72%	23	0	0	23	0	23	7	6	6	4	0
	motorcycles Wholesale trade, except of motor vehicles and motorcycles	43	3,22%	37	6	0	43	0	43	11	10	10	10	2
50	Retail trade, except of motor vehicles and motorcycles	117	8,76%	60	57	0	117	0	117	34	43	5	30	5
	SECTION H — TRANSPORTATION AND STORAGE	79	5,92%	68	11	0	79	1	78	22	23	13	18	3
	Land transport and transport via pipelines Water transport	17 3	1,27%	16	0	0	17	0	16	0	6	0	2	0
54	Air transport	0	0,00%	0	0	0	0	0	0	0	0	0	0	0
55	Warehousing and support activities for transportation	59	4,42%	49	10	0	59	0	59	19	16	9	13	2
56 <b>57</b>	Postal and courier activities SECTION I — ACCOMMODATION AND FOOD SERVICE	289	0,00% 21,65%	169	120	5	284	0	0 289	132	0 <b>68</b>	36	0 44	9
58	ACTIVITIES Accommodation	159	11,91%	75	84	3	156	0	159	70	49	3	30	7
	Food and beverage service activities	130	9,74%	94	36	2	128	0	130	62	19	33	14	2

				GEN	IDER	4	AGE		URY		C	AUSATI	ON	
S/N	ECONOMIC ACTIVITY (NACE 2)	NO. OF ACCIDENTS	%	Male	Female	Under 18	8 and Above	Fatal	Non Fatal	Buildings / Structures	Machinery / Equipment	Transportation Means	Materials / Substances	Other Causes
60	SECTION J — INFORMATION AND COMMUNICATION	13	0,97%	13	0	0	13	0	13	1	1	11	0	0
61	Publishing activities  Motion picture, video and television programme production, sound	0	0,00%	0	0	0	0	0	0	0	0	0	0	0
63	recording and music publishing activities Programming and broadcasting activities	0	0.00%	0	0	0	0	0	0	0	0	0	0	0
64	Telecommunications	3	0,22%	3	0	0	3	0	3	1	0	2	0	0
65 66	Computer programming, consultancy and related activities Information service activities	9	0,07%	9	0	0	9	0	9	0	0	9	0	0
67	SECTION K — FINANCIAL AND INSURANCE ACTIVITIES	6	0,45%	2	4	0	6	0	6	5	0	0	1	0
								0						
68	Financial service activities, except insurance and pension funding Insurance, reinsurance and pension funding, except compulsory	5 1	0,37%	0	3	0	5	0	5 1	1	0	0	0	0
70	social security  Activities auxiliary to financial services and insurance activities	0	0.00%	0	0	0	0	0	0	0	0	0	0	0
71	SECTION L — REAL ESTATE ACTIVITIES	0	0,00%	0	0	0	0	0	0	0	0	0	0	0
72	Real estate activities	0	0,00%	0	0	0	0	0	0	0	0	0	0	0
73	SECTION M — PROFESSIONAL, SCIENTIFIC AND	9	0,67%	8	1	0	9	0	9	5	2	0	1	1
74	TECHNICAL ACTIVITIES Legal and accounting activities	0	0,00%	0	0	0	0	0	0	0	0	0	0	0
75	Activities of head offices; management consultancy activities	1	0,07%	1	0	0	1	0	1	1	0	0	0	0
76	Architectural and engineering activities; technical testing and analysis	5	0,37%	4	1	0	5	0	5	4	0	0	0	1
77	Scientific research and development	2	0,15%	2	0	0	2	0	2	0	2	0	0	0
78 79	Advertising and market research  Other professional, scientific and technical activities	0	0,00%	0	0	0	0	0	1	0	0	0	0	0
80	Veterinary activities	0	0,00%	0	0	0	0	0	0	0	0	0	0	0
81	SECTION N — ADMINISTRATIVE AND SUPPORT SERVICE ACTIVITIES	61	4,57%	43	18	0	61	0	61	26	10	14	9	2
82	Rental and leasing activities	3	0,22%	3	0	0	3	0	3	0	1	0	2	0
83	Employment activities Travel agency, tour operator reservation service and related	0	0,00%	0	0	0	1	0	0	0	0	1	0	0
85	activities Security and investigation activities	7	0,52%	4	3	0	7	0	7	5	0	1	1	0
86	Services to buildings and landscape activities  Office administrative, office support and other business support	19	1,42%	11	8	0	19	0	19	10	5	3	1	0
87	activities SECTION O — PUBLIC ADMINISTRATION AND DEFENCE.	31	2,32%	25	6	0	31	0	31	11	4	9	5	2
88	COMPULSORY SOCIAL SECURITY	91	6,82%	69	22	0	91	2	89	38	12	17	21	3
89	Public administration and defence; compulsory social security	91	6,82%	69	22	0	91	2	89	38	12	17	21	3
90	SECTION P — EDUCATION	13	0,97%	1	12	0	13	0	13	9	2	1	1	0
91	Education SECTION Q — HUMAN HEALTH AND SOCIAL WORK	13	0,97%	1	12	0	13	0	13	9	2	1	1	0
92	ACTIVITIES	24	1,80%	5	19	0	24	0	24	10	2	2	3	7
93	Human health activities Residential care activities	12 6	0,90%	2	10	0	12 6	0	12 6	8	1	0	3	0
95	Social work activities without accommodation	6	0,45%	0	6	0	6	0	6	0	0	0	0	6
96	SECTION R — ARTS, ENTERTAINMENT AND RECREATION	7	0,52%	3	4	0	7	0	7	3	0	1	1	2
97	Creative, arts and entertainment activities	2	0,15%	1	1	0	2	0	2	1	0	1	0	0
98	Libraries, archives, museums and other cultural activities  Gambling and betting activities	0	0,00%	0	0	0	0	0	0	0	0	0	0	0
100	Sports activities and amusement and recreation activities	4	0,30%	2	2	0	4	0	4	1	0	0	1	2
101	SECTION S — OTHER SERVICE ACTIVITIES	8	0,60%	7	1	0	8	0	8	3	1	1	3	0
102	Activities of membership organisations	0	0,00%	0	0	0	0	0	0	0	0	0	0	0
832	Repair of computers and personal and household goods Other personal service activities	7	0,07%	6	0	0	7	0	7	2	1	0	3	0
	SECTION T — ACTIVITIES OF HOUSEHOLDS AS EMPLOYERS; UNDIFFERENTIATED GOODS- AND SERVICES PRODUCING ACTIVITIES OF HOUSEHOLDS FOR OWN USE		0,15%	0	2	0	2	0	2	2	0	0	0	0
106	Activities of households as employers of domestic personnel	2	0,15%	0	2	0	2	0	2	2	0	0	0	0
107	Undifferentiated goods- and services-producing activities of private households for own use	0	0,00%	0	0	0	0	0	0	0	0	0	0	0
108	private nousenoids for own use SECTION U — ACTIVITIES OF EXTRATERRITORIAL ORGANISATIONS AND BODIES	0	0,00%	0	0	0	0	0	0	0	0	0	0	0
109	Activities of extraterritorial organisations and bodies	0	0,00%	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	1335	5	1006	329	5	1330	9	1326	561	302	160	263	49

Figure 3.1 Analysis of Work Accidents by Economic Activity for the Year 2022 (Employed Persons only, during their work)

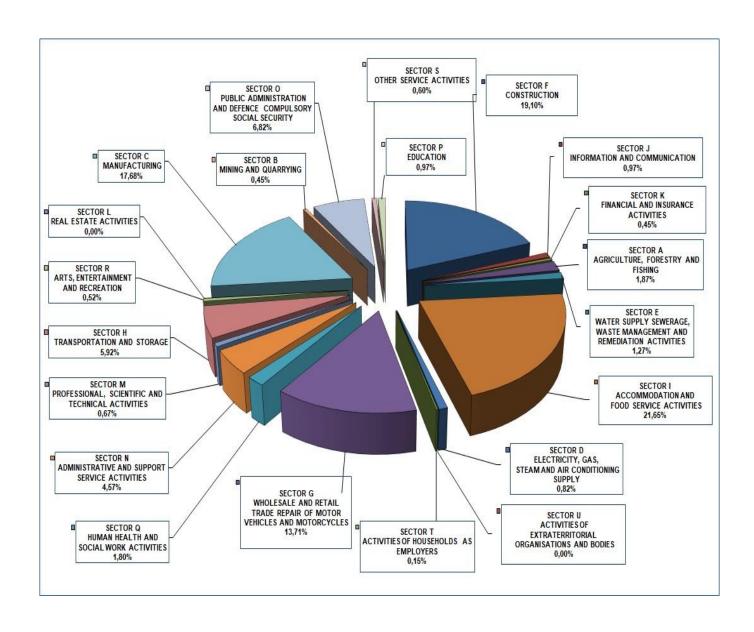


Figure 3.2: Accidents Reported during 2011 – 2022 (Employed Persons only, during their work)

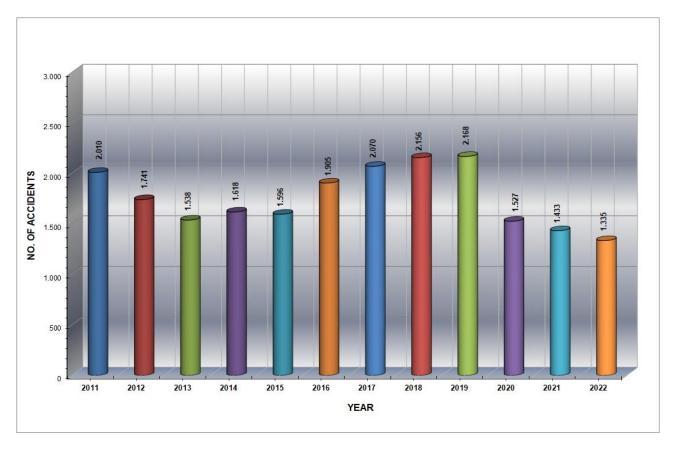


Figure 3.3: Analysis of Work Accidents Reported during the Year 2022 by Cause (Employed Persons only, during their work)

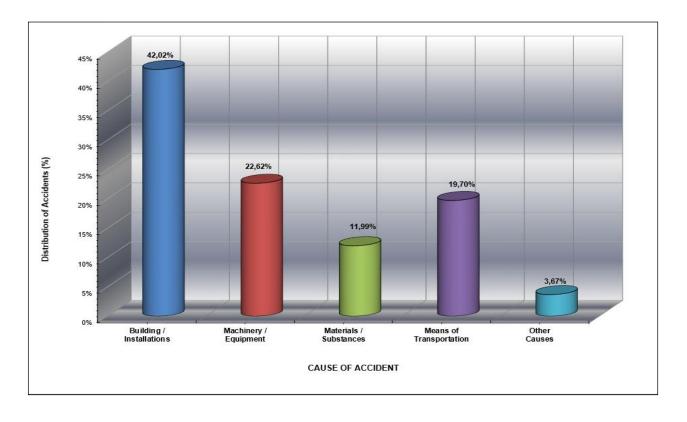


Table 3.5: Analysis of Fatal Accidents Occurred to employed person during work. Total No. of Accidents: 7 (Accidents Reportable According to Legislation)

No.	District	Number of Victims	Economic Activity Sector of Employer	Accident Causation
1.	Nicosia	1	Air conditioning installations	Fall from a height (roof of building – height 8m)
2.	Nicosia	1	Agricultural crops	Hit by a machine moving part
3.	Limassol	1	Transport of materials	Road accident - Crushed by an overturned vehicle
4.	Nicosia	1	Plot divisions	Crushed by a volume of soil
5.	Nicosia	1	Construction	Fall from a height (portable ladder)
6.	Larnaca	1	Cattle breeding	Beating by a cattle
7.	Nicosia	1	Electrical works	Fall from a height (portable ladder)

**Table 3.6: Analysis of Fatal Accidents Occurred to Persons out of Work. Total No. of Accidents: 1** (Accidents Reportable According to Legislation)

No.	District	Number of Victims	Economic Activity Sector of Employer	Accident Causation
1	Nicosia	1	Construction	Crushed by a wall

## **Other Fatal Accidents**

In addition to the above two (2) fatal accidents occurred to National Guard personnel during military exercises. These accidents are being investigated by the Ministry of Defence.

Figure 3.4: Fatal Accidents Reported during the Period 2011 – 2022 (Employed Persons only, during their Work)

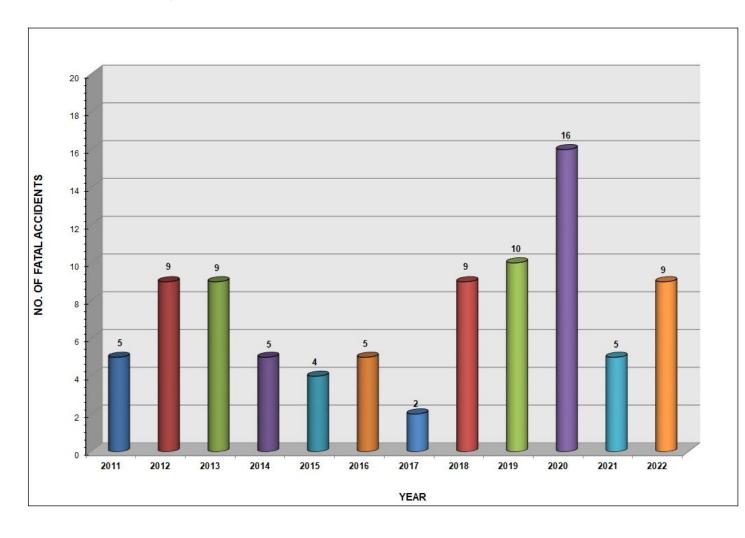


Figure 3.5: Incidence Rate by Economic Activity for the Year 2022 (Preliminary Results)

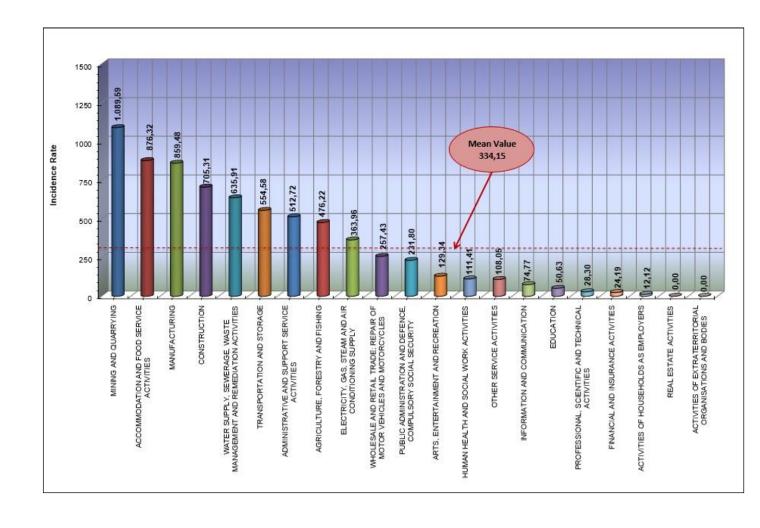


Figure 3.6: Trend of Incidence Rate – No of Accidents, No of Employees, Totals – Averages for the Period 2011 – 2022



INCIDENCE RATE (1)	NUMBER OF ACCIDENTS(2)	NUMBER OF EMPLOYEES (1)
2011 – 2022: - 45,7 %	2011 – 2022: - 33,6%	2011 – 2022: 22,3%
615,2 − <b>334,2 ∀</b>	2.010−1.335 ₩	326.748 - 399.519 <b>1</b>

Note 1: Data regarding the Incidence Rate and Number of Employees for the Year 2022 are Preliminary and not Final, as the number of Employed Persons is according the data of the Labour Force Survey of the Statistical Service for first, second and third quarter average and not the year average.

Note 2: Number of accidents, refers to accidents that occurred to <u>employees, during their work</u> and reported to the Department of Labour Inspection.

**Figure 3.7: Inspections of the Chemical Substances Section in 2022** 

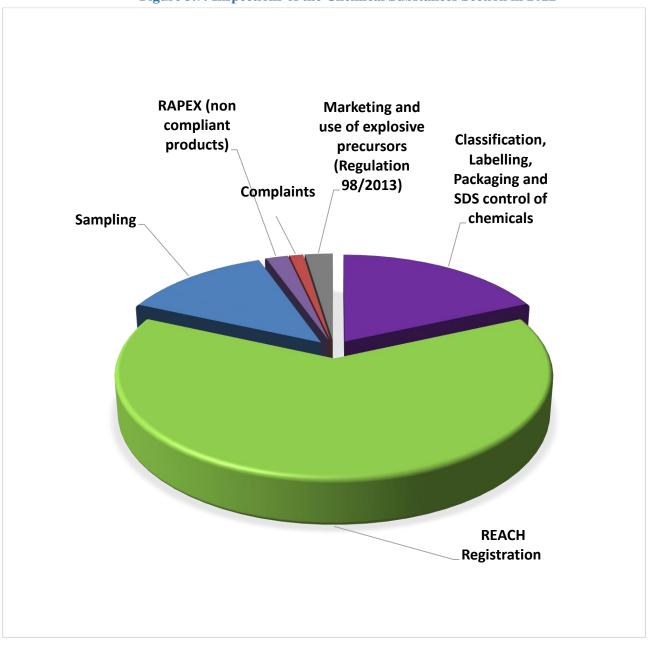


Table 3.7: Number of Inspections for Chemicals per subject in 2022

Subject	Number of Inspections *
Classification, Labelling, Packaging and SDS control of chemicals	77
REACH Registration	265
Sampling (toys, stationary, superglues)	54
RAPEX (non-compliant products)	8
Complaints	5
Marketing and use of explosive precursors (Regulation 98/2013)	10

<sup>\*</sup> Some inspections covered more than one subjects

Table 3.8: Number of samples analysed and number of non-compliant products in 2022

Analysis of:	Samples analysed	Non – Compliant Products
Superglues or other professional glues for Benzene, Toluene and Chloroform	14	2
Toys and child care articles for phthalates content (phthalates are toxic for reproduction)	54	16
Phthalates in plastic articles	8	3
Leather articles for Chromium VI	10	0
Classification, labelling and packaging of liquid mixtures	24	2
Thermal paper for Bisphenol A (BPA)	5	0

**Table 3.9: Machinery Inspections in 2022** 

			DISTRICT															
No	TYPE OF MACHINERY	NICOSIA			LIMASSOL				LARNA	CA	FAMAGUSTA			PAPHOS			TOTAL	
		No.	%(1)	%(2)	No.	%(1)	%(2)	No.	%(1)	%(2)	No.	%(1)	%(2)	No.	%(1)	%(2)	No.	%(3)
1	LIFTING MACHINERY AND DEVICES	37	12,94%	25,00%	43	16,48%	29,05%	59	22,61%	39,86%	7	13,21%	4,73%	2	3,77%	1,35%	148	16,19%
2	CRANES (MOBILE & TOWER)	80	27,97%	30,89%	86	32,95%	33,20%	68	26,05%	26,25%	15	28,30%	5,79%	10	18,87%	3,86%	259	28,34%
3	BUILDING CRANES	0	0,00%	0,00%	1	0,38%	100,00%	0	0,00%	0,00%	0	0,00%	0,00%	0	0,00%	0,00%	1	0,11%
4	STEAM BOILERS	97	33,92%	27,64%	115	44,06%	32,76%	76	29,12%	21,65%	31	58,49%	8,83%	32	60,38%	9,12%	351	38,40%
5	STEAM RECEIVERS	0	0,00%	0,00%	0	0,00%	0,00%	0	0,00%	0,00%	0	0,00%	0,00%	0	0,00%	0,00%	0	0,00%
6	AIR RECEIVERS	72	25,17%	46,45%	16	6,13%	10,32%	58	22,22%	37,42%	0	0,00%	0,00%	9	16,98%	5,81%	155	16,96%
7	CHAINS	0	0,00%	0,00%	0	0,00%	0,00%	0	0,00%	0,00%	0	0,00%	0,00%	0	0,00%	0,00%	0	0,00%
8	ROPES	0	0,00%	0,00%	0	0,00%	0,00%	0	0,00%	0,00%	0	0,00%	0,00%	0	0,00%	0,00%	0	0,00%
9	LIFTING TACKLES	0	0,00%	0,00%	0	0,00%	0,00%	0	0,00%	0,00%	0	0,00%	0,00%	0	0,00%	0,00%	0	0,00%
ГОТА	L No. OF MACHINERY INSPECTIONS	286	31,	29%	261	28,	56%	261	28,	56%	53	5,8	30%	53	5,8	0%	9	14
			%	b(4)		%	(4)		%	5(4)		%	(4)		%	(4)		

#### Table Notes:

<sup>1.</sup> Percentage conribution on the Total Number of Inspections for the same District.

<sup>2.</sup> Percentage conribution on the Total Number of Inspections for the same Machinery Type Cyprus wide.

<sup>3.</sup> Percentage conribution on the Total Number of Inspections Cyprus wide.

<sup>4.</sup> Percentage conribution of District Inspections on the Total Number of Inspections Cyprus wide.

# <u>Inspections of Inspectable Machinery and LPG Installations</u>

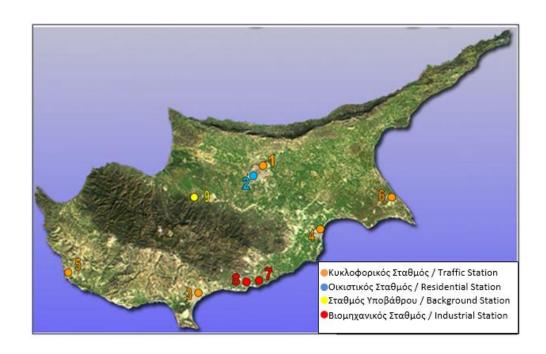
**Table 3.10: Inspections of Inspectable Machinery** 

Machinery Type	1 (62222)	ber of ctions	Maximum Prescribed Period between
	2021	2022	Inspections
Cranes and other Lifting Devices	580	408	14 months
Steam Boilers	278	351	14 - 18 months
Steam Receivers	3	0	26 months
Air Receivers	114	155	26 months
Ropes	0	0	6 months
TOTAL	975	914	

Table 3.11: LPG Inspection Analysis per District in 2022

Inspection reason	Nicosia	Nicosia Limassol		Paphos	Ammochostos	Total			
	Nr	Nr	Nr	Nr	Nr	Nr			
Licensing of LPG Storage	52	96	61	81	86	376			
LPG Storage Inspection (without Licensing)	1	8	2	1	0	12			
Examination report of LPG installation on a vehicle	10	0	2	3	0	15			
Autogas Refuelling Stations Inspection	4	2	1	3	1	11			
Complaint Investigation	7	17	5	1	0	30			
Inspection Total	74	123	71	89	87	444			

**Picture 3.1: Ambient Air Quality Monitoring Network** 



Picture 3.2: Photo of Atmospheric Air Quality Monitoring Station



Figure 3.8: Annual average values of NO<sub>2</sub>, SO<sub>2</sub>, PM<sub>10</sub>, O<sub>3</sub>, CO at the Nicosia Traffic Station

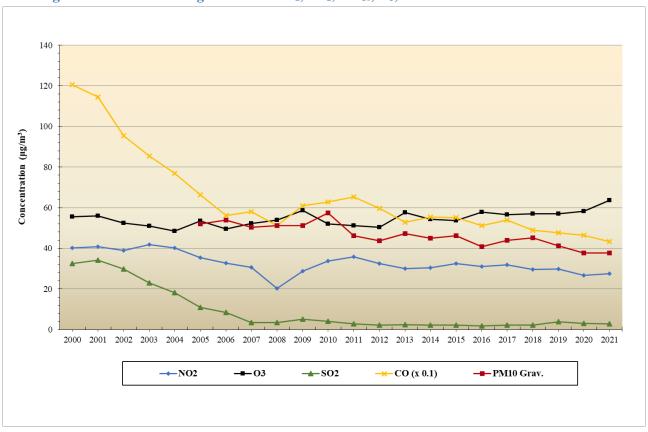


Figure 3.9: Annual average values of Ozone (O<sub>3</sub>) at the Stations of the Air Quality Monitoring Network

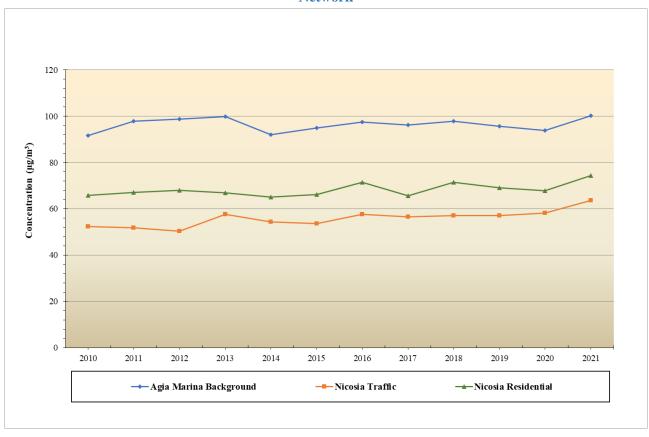


Figure 3.10: Annual average values of PM<sub>10</sub> at the Traffic Stations of the Air Quality Monitoring Network

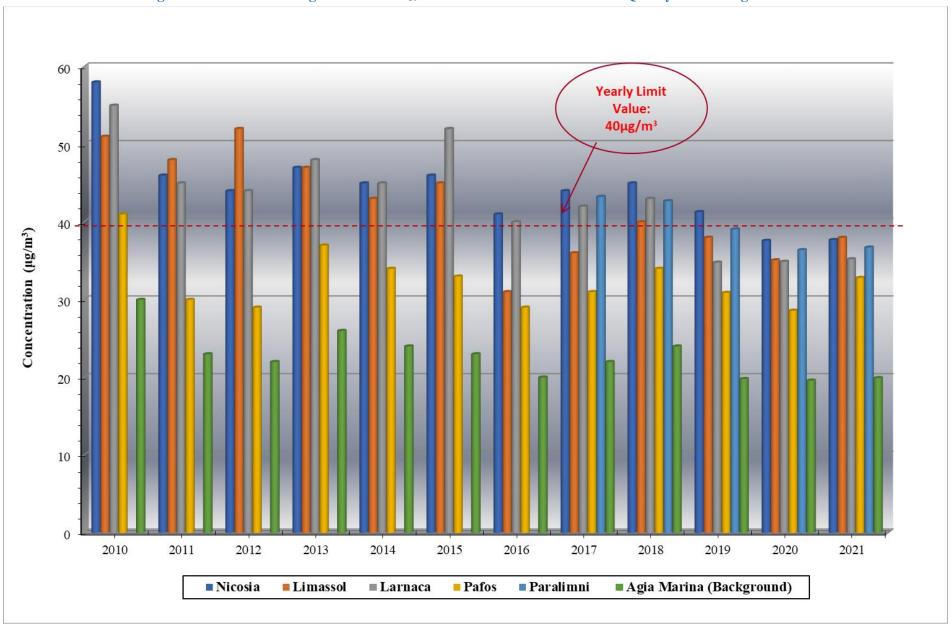
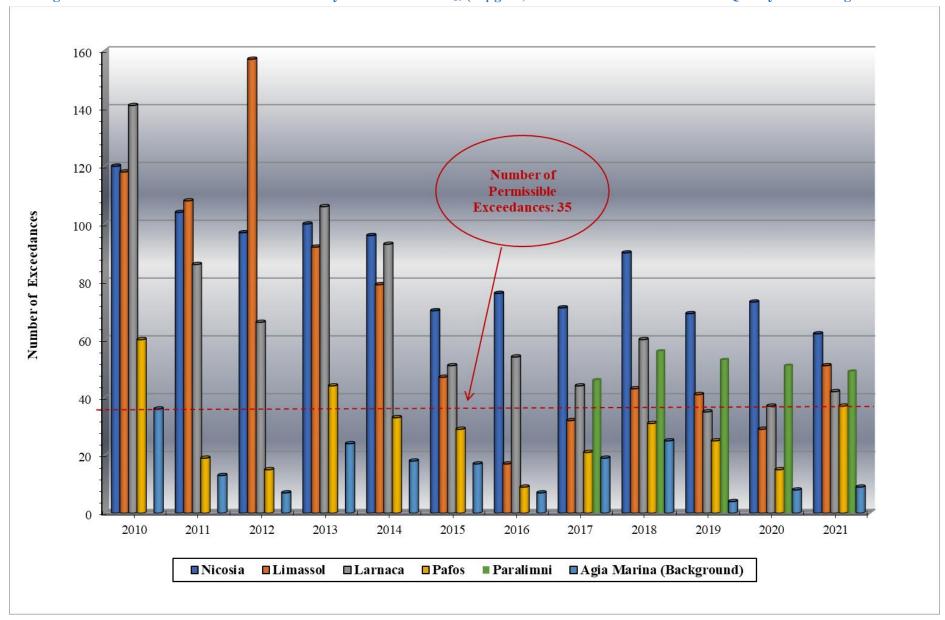


Figure 3.11: Number of exceedances of the daily limit value of PM<sub>10</sub> (50μg/m³) at the traffic stations of the Air Quality Monitoring Network



**Yearly Limit** From Value: 1.1.2020 30  $25\mu g/m^3$ **Yearly Limit** Value: 20μg/m<sup>3</sup> 25 20 Concentration (µg/m³) 15 10 5 2012 2013 2015 2016 2010 2011 2014 2017 2018 2019 2020 2021 ■ Agia Marina (Background) ■Nicosia Limassol ■Pafos

Figure 3.12: Annual average values of PM<sub>2.5</sub> at the residential stations of the Air Quality Monitoring Network

Table 3.12: National Annual Emissions per category (Year 2020)

Economic Activity	NOx	NMVOC	SO <sub>x</sub>	NH <sub>3</sub>	PM <sub>2.5</sub>	PM <sub>10</sub>	TSP	CO	Pb	Cd	Hg	DIOX
	Gg NO <sub>2</sub>	Gg	Gg SO <sub>2</sub>	Gg	Gg	Gg	Gg	Gg	Mg	Mg	Mg	g I-Teq
Public Electricity and heat production	2,92	0,06	10,07	NE	0,18	0,26	0,34	0,36	0,09	0,02	0,01	0,07
Manufacturing Industry & Construction	1,96	0,11	1,40	0,00	0,19	0,20	0,20	2,69	0,03	0,00	0,02	0,01
Aviation	0,15	0,01	0,01	NE	0,00	0,00	0,00	0,09	NE	NE	NE	NE
Road Transport	4,40	1,34	0,01	0,10	0,25	0,36	0,48	5,07	0,24	0,00	0,00	0,13
Navigation	0,06	0,01	0,06	NE	0,01	0,01	0,01	NE	NE	NE	NE	NE
Residential (Central Heating)	0,36	0,02	0,20	0,00	0,03	0,03	0,03	0,21	0,00	0,00	0,00	0,03
Agriculture (Combustion and Mobile)	0,58	0,05	0,05	0,00	0,03	0,03	0,03	0,17	0,01	0,00	0,00	0,00
Distribution /Storage of Oil Products	NA	0,36	NE	NA	NA	NA	NA	NA	NA	NA	NA	NE
<b>Cement Production</b>	ΙE	ΙE	ΙE	NE	0,06	0,09	0,09	NE	NE	NE	NE	NE
Lime Production	ΙE	ΙE	ΙE	NA	0,00	0,01	0,03	NE	NE	NE	NE	NA
Asphalt	ΙE	IE	ΙE	ΙE	ΙE	ΙE	ΙE	ΙE	ΙE	IE	ΙE	IE
Quarries	NA	NA	NA	NA	0,06	0,48	1,21	NA	NA	NA	NA	NA
Production of Food & Drink	NA	0,18	NA	NA	NE	NE	NE	NA	NA	NA	NA	NA
Paint Application	NA	1,46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dry Cleaning	NA	0,03	NA	NA	NE	NE	NE	NA	NA	NA	NA	NA
Solvents	0,00	1,63	0,00	0,00	0,03	0,05	0,17	0,05	0,00	0,00	0,00	0,00
Manure Management	0,91	1,54	0,00	7,43	0,07	0,36	0,57	0,00	0,00	0,00	0,00	0,00
Fertilizers	0,23	NA	NA	0,60	NA	NA	NA	NA	NA	NA	NA	NA
Reeds Burning	0,00	0,00	0,00	0,00	0,01	0,01	0,01	0,13	0,00	0,00	0,00	0,00
Waste Management	0,00	0,34	0,00	0,10	0,03	0,03	0,03	0,04	0,00	0,00	0,00	0,25
<b>Total Emissions</b>	11,581	7,122	11,804	8,234	0,948	1,931	3,201	8,802	0,375	0,032	0,030	0,497

Note:

Gg=kt (thousands of tones) and Mg=t (tones) NA: Not Applicable, NE: Not Estimated, NO: Not Occurring, IE: Included Elsewhere

