

**ANNUAL REPORT 2010**  
**DEPARTMENT OF LABOUR INSPECTION**  
**MINISTRY OF LABOUR AND SOCIAL INSURANCE**

**NICOSIA**

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## A. INTRODUCTION

The basic aim of the Department of Labour Inspection is the safeguarding of adequate levels of safety and health at work for all workers, the preservation of the quality of the atmosphere of Cyprus and its improvement where this is warranted, the protection of the public and the environment with the effective control of industrial pollution and of the risks from large scale industrial accidents, the control of chemical substances and of the risks that arise from the use of ionising radiation.

The fulfilment of the aforementioned aims is accomplished by means of a suitable legislative framework, the implementation of an effective inspection system, the continuous awareness raising of the public, the training of the Department's personnel and the co-operation with the social partners as well as with other involved parties.

The Department of Labour Inspection consists of the following six Sections:

- ◆ The Field Operations Section,
- ◆ The Safety, Health and Machinery Section,
- ◆ The Industrial Pollution Control Policy Section,
- ◆ The Air Quality Section,
- ◆ The Radiation Protection, Nuclear Safety and Radioactive Waste Management Section, and
- ◆ The Chemical Substances Section.

The headquarters of the Department is situated in Nicosia whereas there are District Offices in Nicosia, Limassol, Larnaca, Paphos and Famagusta. In 2010 the Department of Labour Inspection comprised 85 posts, out of which 4 were vacant. Administrative and Secretarial staff as well as IT support staff is not included in these posts.

The Organisational structure of the Department of Labour Inspection is shown in **Appendix I**.

The fields of competency of the Department of Labour Inspection are disseminated within the following Area and Sections:

## **1. Safety and Health at Work Area**

The Area deals with all safety and health issues regarding the protection of life, limb and the health of workers at workplaces. Specifically, this Section regulates the organisation and management of safety and health issues at the local level, i.e. inside the workplace, at the district level and countrywide. Moreover, this Section deals with safety and health requirements of workplaces (buildings, premises, construction sites, dockwork sites, extractive industries, agricultural enterprises, etc.).

It also regulates the issues on safety and health requirements of work equipment (machinery, tools, appliances, pressure vessels, scaffolding, personal protective equipment, etc.) that are used by workers while carrying out their work.

Moreover, the Area handles issues related to health risks arising from the use of asbestos, chemical agents, biological agents, carcinogenic and mutagenic agents, from physical agents, such as noise, vibrations and heat or from ergonomic factors, such as manual lifting and handling of loads, monotonous work, pace of work, etc.

Finally, it regulates issues regarding the safety and health at work of children, young persons and pregnant, breast-feeding and postnatal workers.

### **1.1 Occupational Safety and Health Training Centre**

The Centre deals with the provision of information, briefing and training services to employers, workers and the public in general on issues of occupational safety and health as well as with the preparation of vocational and training programmes, manuals, and informative material. The Centre also organises awareness raising and information campaigns.

Simultaneously, the Training Centre implements training and retraining programs of newcomers and existing officers of the Department, by materializing the Action Plan conducted by the Learning Unit, after a diagnosis of learning needs.

## **1.2 National Focal Point of the European Agency for Safety and Health at Work**

The Department of Labour Inspection constitutes the Focal Point for Cyprus for the above-mentioned Agency, which was founded in accordance with European Regulation no. 2062/94 and deals with information and advice on issues related to occupational safety and health.

As a Focal Point, the Department is responsible for the organisation of the National Information Network and participates in the preparation and materialisation of the Agency's agenda.

## **1.3 National Focal Point of the European Network for Workplace Health Promotion**

The Department of Labour Inspection is the National Focal Point of Cyprus in the above Network, which was established in 1996 following an initiative of the German Federal Institute for Occupational Health and Safety (BAuA). This Network consists of Institutes/Organizations of various EU Member States, engaged in the fields of occupational health and safety and public health care and aims to raise awareness, provide information and disseminate workplace health promotion good practices. As a National Focal Point, the Department of Labour Inspection is participating in various projects of the Network.

## **1.4 Control of Working and Resting Times of Drivers of Certain Vehicles**

In order to carry out checks on the working and resting times of drivers of certain vehicle categories, a special Unit was created, consisting of one Labour Inspection Officer and three Inspectors dealing exclusively with this topic. The Unit aims to improve the safety and health at work conditions of the drivers under discussion, increase road safety and maintain a fair play in terms of competitiveness in the specific transport field.

## **1.5 Control of Major Accident Hazards**

This Section deals with the control of major accidents hazards that may arise at installations due to the existence of dangerous substances. The consequences of Large Scale Disasters can be intensely perceptible to a great geographic extent around installations where such substances are used or stored. The objective of this



Section is the prevention of such accidents and / or the mitigation of their consequences to people and the environment.

## **2. Inspection and Certification of Machinery Section**

The Section focuses on issues of inspection and certification of inspectable machinery, such as lifts, hoists, steam boilers, steam receivers, cranes, winches, overhead travelling cranes and air receivers.

It also deals with the surveillance of the market, aiming to secure the free movement of goods on the basis of the European New Approach Directives. Such categories of products are those which fall under the scope of the Directives on Pressure Equipment, Simple Pressure Vessels, Machinery, Lifts, Personal Protective Equipment and Equipment and Protective Systems for Use in Explosive Atmospheres for which the Minister of Labour and Social Insurance, through the Department of Labour Inspection, is the competent authority.

Furthermore, the Section is responsible for the inspection of LPG installations.

## **3. Control of Industrial Pollution Section**

The Section of Industrial Pollution Control deals with the monitoring and control of pollution caused by substances emitted into the atmosphere during the operation of industrial installations and from the use of certain paints and varnishes, so as to safeguard the protection of the health and welfare of the citizens and the protection of the environment of the Republic.

## **4. Air Quality Control Section**

The Air Quality Section is continuously monitoring the values of various pollutants in the atmospheric environment and is working with the assessment and management of air quality, in order to secure the protection of the health and well being of the citizens and the protection of the vegetation and the environment in general.

## **5. Control of Chemical Substances Section**

The Chemical Substances Section deals with issues related to the administration and control of chemical products, which are manufactured, imported, exported, used and placed on the Cyprus market. This Section aims to safeguard the safety and health of all those who possess or use chemical substances and preparations in their working and domestic environment as well as to protect the environment.

## **6. Radiation Protection, Nuclear Safety and Radioactive Waste Management Section**

The main aim of this Section is to ensure the safety and health of the workers and the public from risks arising from the use of ionising radiation in various business activities such as in medicine, manufacturing, construction, agriculture and research, as well as from risks that may arise from radioactivity in the environment. This Section also deals with radioactive waste management control, environmental radioactivity monitoring, the safe transport and handling of radioactive materials as well as with emergency preparedness and response to incidents involving ionizing radiation and radiological accidents.

## **B. WORK CONDUCTED DURING 2010**

### **1. SAFETY AND HEALTH AT WORK AREA**

#### **1.1. Inspections of Undertakings - Workplaces**

The main activity of the Safety and Health at Work Area consists of inspections for the enforcement of the provisions of the labour legislation within the competency of the Department of Labour Inspection and the improvement of safety and health conditions of workers at workplaces.

During 2010, the Labour Inspectors carried out 6.030 inspections at workplaces falling under the provisions of the Safety and Health at Work Laws, the Factories Law as well as other Labour Laws and Regulations. During the previous year, 2009,

5.231 inspections had been carried out. The table of **Appendix II** details the inspections carried out in 2010 analytically, by workplace category and district.

In the table of **Appendix III**, data is shown on undertakings (classified by district and economic activity) the 27.276 undertakings used as workplaces, which are inspected on a regular basis and which were registered in the Department's computerized information system up to 31.12.2010. In the table of **Appendix IV**, data concerning the 2.780 new undertakings registered throughout 2010 can be found. It is noted that during 2009, 2.626 new undertakings were registered.

### **1.1.1 Issue of Factories Registration Certificates**

During 2010, following the submission of relevant applications by the occupiers of "Factories", the Department of Labour Inspection issued 88 Certificates of Registration. These Certificates are issued under the Factories Law, Cap. 134, provided that during the relevant inspection conducted by the Labour Inspectors, the minimum requirements of the Safety and Health at Work legislation are met. It is noted that during 2009, 114 such Certificates had been issued.

### **1.2. Prosecutions**

In 2010, the trials of 46 cases concerning breaches of the health and safety legislation at workplaces were completed. The fines imposed upon those who were convicted totaled €141.700. Also, in 2010 a four and a three months sentence (with the three year reprieve) were handed down by the Court in two cases of fatal work accidents. Additionally, in two cases, penalty guarantees of €5.000 were enforced for a 3 year period subject to abiding by the legislation.

The number of penal cases, the relevant legislation breached by the offenders as well as the fines imposed by the courts in year 2010 in comparison to years 2007 to 2009, are illustrated in Table 1 of **Appendix V**. Additionally, in 2010, a total of 44 new penal cases were compiled and sent to the Legal Service of the Republic for approval and promotion of the penal proceedings of the defendants. The Laws and Regulations based upon which the penal prosecution files were drawn up and submitted to the Legal Service of the Republic in 2010, are shown in Table 2 of **Appendix V**.

Moreover, in 2010, the Department of Labour Inspection issued 20 Announcements regarding the convictions of physical and legal persons, imposed by the District Courts, concerning breaches of the health and safety legislation aiming to inform the public. The Announcements were published on the website of the Department and further published in the mass media. Furthermore, the relevant Court decisions with the data of the convicted persons were sent to the Police for updating the relevant criminal records.

### **1.3 Analysis of Notified Work Accidents**

During 2010, a total of 2.419 accidents were notified to the Department of Labour Inspection, as follows:

- (a) Accidents which occurred to employed persons during their work, leading to an absence from work for more than three calendar days: 2.184 (90,3%)
- (b) Accidents which occurred to self-employed persons during their work, leading to an absence from work for more than three calendar days: 12 (0,5%)
- (c) Accidents to employed and self-employed persons, during the normal journey between home, and the place of work (commuting accidents): 156 (6,4%)
- (d) Accidents which occurred to persons away from work, provided that the accidents occurred due to work activities: 67 (2,8%)

It is clarified that accidents which occur to persons at work and which must be notified are only those accidents which cause fatal injury or absence from work for more than three days.

In the next paragraph, as well as in the relevant Appendices, unless stated otherwise, the analysis refers to accidents which were notified to the Department of Labour Inspection regarding employed persons during the course of their work. This is so as to make a fair comparison to data relating to years prior to 2008, when accidents were notified only in the cases of employed persons.

#### **1.3.1. Accidents to employed persons during their work**

In **Appendices VI – XIII** an analysis of the above mentioned accidents is presented in the following way:

- Table of **Appendix VI** presents an analysis of accidents by section of economic activity, gender, age, degree of injury and cause of accident.
- In the diagram of **Appendix VII** accidents are categorized by section of economic activity. As shown in the diagram, the biggest number of accidents during 2010 occurred in the construction section with a percentage of 24,73%, followed by the section of manufacturing industries with a percentage of 22,34%.
- In the table of **Appendix VIII**, an analysis is presented of the fatal accidents which occurred during 2010, by district, economic activity section and cause. In this Appendix, additionally to the accidents which occurred to employed persons during the course of their work, accidents to employed persons during the normal journey between home and the place of work (commuting accident) are presented, as well as accidents which happened to third persons (not employed), but which arose out of work activities. No fatal accidents have occurred to self-employed persons during their work activities nor any commuting accidents.
- In **Appendix IX** the annual number of notified work accidents for the period 2003 – 2010 is presented in the form of a graph.
- In **Appendix X** the annual number of fatal accidents to employed persons during their work which were notified during the period 2003 – 2010 is shown.
- In **Appendix XI**, accidents at work during 2010 are analyzed by cause and are categorized in five basic categories (buildings/installations, machinery/equipment, transport means, materials/substances and other causes).
- In the table of **Appendix XII** and in the chart of **Appendix XIII**, the Frequency Index for 2010  $[(\text{number of accidents}) / (\text{number employed persons}) \times 100.000]$ , as well as individual frequency indexes by section of economic activity are shown.

### 1.3.2. Fatal Work Accidents

During the year 2010, a total of 19 fatal accidents (one of which caused the death of two persons) were reported regarding employed persons, compared to 10 which were recorded during year 2009. These accidents are analyzed in the table of **Appendix VIII**.

Furthermore in 2010, the following additional 2 fatal work accidents occurred:

- |   |   |
|---|---|
| a) Fatal accident to employed person during the normal journey between home and the place of work (commuting accident): | 1 |
| b) Fatal accident to person not at work:  | 1 |

In 2010, 19 out of 20 in total fatal work accidents (number of victims) which occurred to employed persons during their work were notified to the Department of Labour Inspection (tables in **Appendices VI and X**). It is noted that the notification of one fatal accident was not reported until the end of the reference year 2010 and was still pending during the preparation of this report.

### **1.3.3. Frequency Index of Accidents at Work for the Year 2010**

"Frequency Index" is defined as the number of accidents per 100.000 employed persons. This Index constitutes the most reliable and comparable element for examination and analysis of the issue concerning progress levels of accidents reduction in each section, at the national and at the European level.

#### **1.3.3.1 Frequency Index of Accidents at Work for the Year 2010**

As it is shown in the table of **Appendix XII** and in the chart of **Appendix XIII**, the Average of the Frequency Index for accidents which occurred to employed persons during the course of their work for year 2010, was 695.44. 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 Frequency Index, is based on the results of the Labour Survey of the Statistical Service for the third trimester and not on the overall results (Average) for the whole year. This data was not available at the time of preparation of this report.

In the chart of **Appendix XIV** the change in the frequency index (Annual Mean) is presented for the period 2003-2010, as well as the number of accidents and employed persons for the same period.

### 1.3.3.2 Adjusted Frequency Index of Accidents at Work for year 2009

The table of **Appendix XV** presents the adjusted Frequency Indices of Accidents at Work for year 2009, which arose out of the use of corrected data, regarding the number of employed persons, according to the corresponding Labour Survey reports of the Statistical Service (Mean value for the whole year).

### 1.3.3.3 Analysis of Notified Dangerous Occurrences

In 2010, the following 12 dangerous occurrences regarding work place incidents were notified to the Department of Labour Inspection.

District	Category of Dangerous Occurrence	Number of Occurrences
Nicosia	Fire	3
	Collapse of a structure (false ceiling)	2
	Earth Collapse	1
	Overturn of Digging Machine	1
Limassol	Contact with electricity lines	1
	Fire	1
	Earth Collapse	1
Larnaca	Fire	1
Famagusta	Fire	1
<b>Total</b>		<b>12</b>

## 1.4 Occupational Diseases Prevention Service

The Occupational Diseases Prevention Service continued its surveys on the conditions and the work environment at workplaces, where workers are likely to be exposed to agents hazardous to health. These surveys have been conducted by the Advisor Occupational Physician of the Ministry of Labour and Social Insurance, in close cooperation with other Officers of the Department of Labour Inspection.

These surveys aimed at controlling the risk assessments, as well as the preventive measures that are necessary, in order to achieve compliance with the

existing legislation and to further improve the work environment so as to achieve the prevention of occupational diseases.

During the investigations of the working conditions and the working environment, in the framework of various campaigns and inspections at workplace, and through information obtained from various Government Departments and other Organizations which maintain data regarding occupational diseases, 8 new cases of suspected occupational diseases have been registered. These cases referred to mesothelioma and have been codified and sent to EUROSTAT in the framework of the programme for recording occupational diseases, named EODS.

The Department of Labour Inspection is implementing the action plan, for the establishment and operation of a health surveillance system of employed persons.

According to the above mentioned plan, the Regulations covering the provision of First Aid at Work have been fully enforced and First Aid at Work Providers have been approved to provide training courses to employees. Also, the preparation of a draft legislation on workers health surveillance has been forwarded.

### **1.5. External Services for Protection and Prevention**

According to the provisions of the Management of Safety and Health at Work Issues Regulations of 2002 (P.I. 173/2002), the employer must assess all risks at the work place in relation to the safety and health of his employees. On the basis of the findings of the risk assessment, the employer is obliged to undertake the necessary measures to safeguard their safety and health. In cases where the employer or one or more of his employees are not qualified or experienced to carry out the risk assessment, then the employer should seek the assistance of persons offering External Services for Protection and Prevention. Under the provisions of the aforementioned Regulations, the said persons must have the approval of the Chief Inspector.

During 2010, new stringent criteria for the approval of persons were adopted, following public consultation on the issue, which took place between November 16<sup>th</sup> and December 15<sup>th</sup> 2009. The new criteria are based on the requirements of the European Network of Safety and Health Professional Organisations (ENSHPO) for



academic and special training as well as the relevant professional experience on issues of safety and health.

During 2010, 17 applications were submitted to the Department of Labour Inspection concerning initial approval or reapproval. During the assessment period, each applicant was invited for a personal interview aiming at verifying their adequacy in knowledge, training, and experience in the field of risk protection and prevention, as well as their knowledge on Cyprus safety and health at work legislation. The Director of the Department of Labour Inspection, in his capacity as Chief Inspector, granted 15 approvals during 2010. Out of the remaining applicants, 5 were rejected because the Minimum Qualifications were not satisfied. On 31.12.2010, 14 applications were pending and the candidates were requested to submit further information concerning their knowledge, training and experience in the field of protection and prevention of risks. On the above date, a total of 71 Approved Persons were listed in the Registry of Approved Persons.

## **1.6 New Safety and Health Legislation**

On 15.5.2010, the Safety and Health at Work (First Aid) Regulations of 2009 (P.I. 198/2009) were fully enforced.

## **1.7 European Campaign 2010 for Evaluation of the Risk Assessment of Chemical Substances**

The Senior Labour Inspectors Committee (SLIC) has instituted the organization of Informative and Inspection Campaigns aiming to uniformly inform all interested parties in all EU member-states as well as achieving uniform workplace inspections.

The Department of Labour Inspection participated in the European Campaign 2009 – 2010, which focussed on the use of Dangerous Substances in different work places.

During 2010, both the informative and inspection part of the campaign took place and the section of Bakeries was covered in Cyprus.

In the framework of the Information part of the Campaign, informative material (leaflets and posters) was delivered through the Pancyprian Bakeries Association to all its members. Furthermore during the Inspection part of the Campaign, 84 inspections were carried out at Bakeries. During the inspections, the Labour Inspectors informed the employers about the risks related to the use of Dangerous Substances in Bakeries and about their obligations arising from the relevant legislation.

### **1.8 Activities for occupational accidents and diseases reduction in the construction section**

In the framework of the Common Policy Declaration for the reduction of accidents and diseases in the Construction Section, the following five Working Groups have been set up to suggest and promote measures in order to achieve the objectives of the Common Policy Declaration.

Working Group 1: Integration of safety and health issues in the construction project procurement (design and construction contracts).

(Coordinator: Cyprus Scientific and Technical Chamber)

Working Group 2: Promotion of continuous education, training and information on occupational safety and health issues of all the workers in the construction section.

(Coordinator: Federation of Associations of Building Contractors of Cyprus)

Working Group 3: Establishment of criteria on occupational safety and health issues for the registration of new members or the renewal of existing registration and professional permit of Engineers in the Cyprus Scientific and Technical Chamber.

(Coordinator: Cyprus Scientific and Technical Chamber)

Working Group 4: Establishment of criteria on occupational safety and health issues for the registration of new members or the renewal of existing registration and professional permit of Contractors in the Council for Registration and Control of Building and Civil Engineering Contractors.

(Coordinator: Council for Registration and Control of Building and Civil Engineering Contractors)

Working Group 5: Cooperation for the effective monitoring and application of legislation on occupational safety and health issues in the Construction section.  
(Coordinator: Department of Labour Inspection).

## **1.9 Safety Officers**

According to the provisions of the Safety and Health at Work Laws of 1996 to 2003, each employer that employs more than two hundred persons should appoint a Safety Officer who deals with the subjects of safety and health in the installations of his enterprise on a full time basis. The Safety Officer must inspect the workplaces, identify and assess the hazards and risks encountered in the enterprise, organize and check the Occupational Safety and Health Management System, prepare risk assessment reports, participate in the meetings of the Safety and Health Committee and train the workers on issues regarding safety and health at work.

During 2010, after a personal interview with Officers of the Department of Labour Inspection, 18 new Safety Officers were approved by the Minister of Labour and Social Insurance.

The total number of approved Safety Officers is 93.

## **1.10 Network for Exchange of Information on Safety and Health at Work - «KSS»**

The Department of Labour Inspection constitutes the National Focal Point for the Network for Exchange of Information between Competent Authorities on Safety and Health at Work of member states of the EU. The main aim of this network is the exchange of specialized information not available to the general public, such as announcements for dangerous products or services, exchange of information regarding the enforcement of European and National legislation regarding technical issues, etc. The aforementioned network bears the name “Knowledge Sharing Site”, or KSS for short. During 2010, 41 questions were placed on the network by other Member States, to which the Department of Labour Inspection replied and at the same time, the Department posted four questions on the network.

## **1.11 Occupational Health and Safety Training Centre**

The main activities of the Occupational Health and Safety Training Centre are the following:

- a) Organisation or co-organisation with other interested parties of training and vocational programs, seminars, lectures and other awareness raising activities.

Implementation of training and retraining programs of newcomers and existing officers of the Department under the Action Plan of the Learning Unit established after the diagnosis of learning needs.

- b) Organisation of the European Week for Safety and Health at Work, as well as the Information and Inspection Campaigns organised within the framework of the Senior Labour Inspectors Committee of the European Union.
- c) Development, publication and distribution of informative material aiming at increasing awareness of employers and employees.
- d) Incorporation of safety and health issues into the Education Section.

The activities organized in 2010 by the Occupational Health and Safety Training Centre is described here below.

### **1.11.1 Training programmes and other awareness raising activities**

The activities organized in 2010 by the Training Center are broken down into three categories:

- (a) Training programmes addressed to:
  - Newcomers Officers / Inspectors of the Department of Labour Inspection
  - Members of Safety Committees (in collaboration with the Trade Unions and the Cyprus Academy for Public Administration)

- Newcomers in the Public Service
  - Safety Officers
  - Approved Persons providing protection and prevention of risks services to employers or self employed persons
  - Officers / employees of Organisations and Government Departments
  - Apprentices of the Cyprus Productivity Centre
- (b) Lectures given by Officers of the Department of Labour Inspection on Health & Safety Issues, in various related events.
- (c) Seminars referred to:
- the co-organization with other interested parties or exclusive organization by the Department of Labour Inspection,
  - the organization of the Pancyprian Conference for Safety and Health at Work within the framework of the activities for the Safety and Health at Work Week, and
  - the Focal Point Meeting.

During 2010, in total, 102 training programs / seminars / lectures were organized and 3.569 persons were trained.

### **1.11.2 Training of Safety Committee members in the Public Section**

In co-operation with the Cyprus Academy for Public Administration, during the first semester of the year, 10 training programs were organized of 6 hours duration each. Approximately, 150 members of Safety Committees in the Public Section attended the programs.

What is more, during the first half of the year, in cooperation with the Police Academy, 10 training programs, of 6 hours duration each, were organized for nearly 360 members of Safety Committees in the Police.

The participants in these programs have been trained on the basic provisions of the legislation and the effective operation of the Safety Committees at the work places.

### **1.11.3 Poster Competition 2010**

A Poster Competition was organized among the students of Secondary and Technical Education with the co-operation of the Ministry of Education and Culture, for the eighth consecutive year. The subject of the competition was «Safety and Health at Work» aiming to raise awareness on health and safety issues among young people.

The Poster Competition Winners were awarded during the opening ceremony of the European Week for Safety and Health, which took place on the 18<sup>th</sup> of October. The poster that got the first prize was printed (A3 size) and is used at schools and workplaces for awareness raising purposes.

Furthermore, posters that participated in recent years in the competition were used for the printing a calendar for the years 2011 - 2012.

### **1.11.4 Good Practice competition in education**

The Department of Labour Inspection, in cooperation with the Ministry of Education & Culture, issued an invitation, for a second consecutive competition, on “School Examples of Good Practice regarding Safety and Health issues in the Public Education System of Cyprus”. The best participations were awarded by the Minister of Labour and Social Insurance during the Opening Ceremony of the European Week for Safety and Health.

### **1.11.5 European Campaign on the Prevention of Work Accidents and Occupational Diseases**

Within the framework of the above Campaign, the European Week for Safety and Health at Work 2010 was organised between the 18<sup>th</sup> and 22<sup>nd</sup> of October, focussing on Safe Maintenance and the theme adopted was **«Healthy Workplaces – Good for you – Good for business»**.

The opening ceremony of the European Week for Safety and Health at Work 2010 was held on the 18<sup>th</sup> of October 2010 under the auspices of the President of the Republic of Cyprus Mr. Dimitris Christofias.

During the opening ceremony, the Good Practice Awards were awarded as well as the Schools Awards Competition for 2010 and the Poster Competition Awards presented.

The opening ceremony followed the Pancyprian Conference for Safety and Health at Work during which, the representative of the European Agency for Safety and Health at Work presented the theme “Overview of ESENER results - EU and Cyprus”.

During the Safety and Health at Work Week, the Minister of Labour and Social Insurance visited workplaces and had the opportunity to perceive the measures for the protection of the employees from risks at work.

Furthermore, Labour Inspection Officers and Labour Inspectors of the Department of Labour Inspection implemented a special programme that included visits at workplaces, participation in meetings of various Safety Committees, discussions with employees and distribution of informative material.

The following Table shows the data related to the activities during Safety Week 2010 per District.

#### **Visits in work premises**

	<b>Number of Visits</b>	<b>Number of Participants</b>
Nicosia	75	2.060
Limassol	35	2.100
Larnaca	14	93
Paphos	31	515
<b>Total</b>	<b>155</b>	<b>4.768</b>

Furthermore, within the frame of the Campaign for the Prevention of Work Accidents and Occupational Diseases, TV stations broadcasted short films and 2.250 radio and TV messages were broadcasted. In addition, Officers of the Department gave interviews and participated in 20 awareness programmes.

Finally, throughout the year and within the frame of a special agreement with the Department of Labour Inspection, the employers and employees of representative organisations published in their newspapers articles and other awareness material for the prevention of work accidents and occupational diseases.

#### **1.11.6 Publications**

During 2010, informative material was re-published and the following new informative leaflets and publications were issued:

1. Guide to the economic implications of mental health.
2. Guide to health promotion in the workplace – Employer’s Handbook.
3. Guide to create mentally healthy workplace – Employee Handbook.
4. European Regulation 1272/2008/EK (CLP) for the Classification. Labelling & Packaging of Chemical Substances / Mixtures.
5. Hazards from Explosions.
6. Department of Labour Inspection (both in Greek and English language)
7. Summary guide to the obligations of employers and self-employed persons (both in Greek and English language).
8. Managing of Health and Safety issues on construction sites. Actions required during the design phase and the project planning.
9. Protection against Ionizing Radiation in the business of collecting and recycling scrap metals and in other areas of potential discovery of orphan radioactive sources.
10. Packaging and labelling of paraffin.
11. Hazardous Substances. Be aware, assess and protect – Bakery.
12. Hazardous substances. Be aware, assess and protect – Risk Assessment in the use of Dangerous Substances – European Campaign.
13. Management of Alcohol and other Addictive Substances at the workplaces.
14. Guidelines for safe working in passenger cars garages.
15. European Regulation on the Management and Control of Chemicals REACH.
16. Equipment with CE marking.



17. Code of Practice for the storage of LPG cylinders.

18. Poster “Safe Scaffolds”.

#### **1.11.7 Good Practice Competition 2010**

The Department of Labour Inspection held the National as well as the European Competition for Good Practices in the occupational safety and health section.

Each Good Practice example submitted should indicate in a recognizable manner the prevention of risks in the workplace. In the framework of the Competition, 14 examples were submitted in 2010. First place was awarded to the Petroleum Products Companies for their practice regarding the awareness of public for protection measures in case of major accident at their plants, where large quantities of dangerous chemicals are stored or used.

#### **1.11.8 Organization of a Seminar to promote and utilize Good Practice examples submitted up to 2009**

The Department of Labour Inspection, Laiki Insurance Company and the Cyprus Safety and Health Association co-organized a Seminar titled «Presentation of Good Practice Examples» in Nicosia, on 27 April 2010.

The aim of this Seminar was to present and inform about the examples of Good Practices, which were submitted under the framework of the Good Practice Awards Competition by representatives of Companies / Organizations. Six such examples from three thematic activities were presented.

#### **1.11.9 Partnership Meeting**

The Meeting took place on 19.5.2010 in Nicosia. Its aim was to:

- Inform about activities that took place in the framework of the European Campaign 2009-2010 for Risk Assessment by the Partners and their results,
- Define the activities to take place by the Partners themselves during the European Campaign for 2010-2011, and
- Select the ways in which Good Practices will be publicised and promoted.

### **1.11.10 Organisation of a Conference on Work at Height**

The Conference was organized by the Cyprus Association of Civil Engineers under the auspices of the Ministers of Labour and Social Insurance, of Interior and of Communication and Works, with the support of the Department of Labour Inspection.

The aim of the Conference was to inform Engineers, Public Servants and other Professionals in the construction industry as well as other sections involving work at height about the effective methods and practices as well as about technology developments and research related to equipment for the safe execution of work at height.

## **1.12 National Focal Point of the European Agency for Safety and Health at Work**

### **1.12.1 Development and Operation of the National Information Network**

The Department of Labour Inspection is responsible for the operation of the National Information Network, in which the Social Partners, as well as other organizations, soundly participate in the health and safety at work section.

Under the framework of its duties, the Department was represented in three meetings of the Focal Points, in a meeting of the Network Committee and in a meeting of the Committee for Emerging Risks. Also, the Department was represented in three meetings of the Communication and Partnership Group and in a meeting of the OiRA pilot project Group (On Line interactive Risk Assessment Tool).

Within the frame of the pilot project, the Department followed an agreement with the European Agency and developed a specific interactive risk assessment tool for the hairdressers section in Cyprus.

## **1.13 National Focal Point of the European Network for Health Promotion in the Workplace “ENWHP”**

The main activities of the Department of Labour Inspection as the National Focal Point of the above mentioned Network, include:

### **1.13.1 Participation in various programmes of the Network**

The Department of Labour Inspection is participating in the project of the European Network for Workplace Health Promotion.

The Project aims to track down those ways of life and behaviour that promote mental health at workplaces. The project also aims to recognize companies which are implementing good practices promoting mental and social well being at workplace and to disseminate these results in Europe.

For the implementation of the above campaign, the Department of Labour Inspection has prepared and implements an Action Plan.

### **1.13.2 Participation in meetings of the members of National Focal Points of the Network**

The Department of Labour Inspection actively participates in business meetings of the members of the National Focal Points of the Network. During these business meetings, organizational matters, internal procedures and progress regarding the different projects of the Network are discussed.

## **1.14 Unit for control of working time of the drivers of certain vehicles**

Driver fatigue caused by excessive driving without taking the necessary breaks and rest periods is one of the factors of road accidents. With the full implementation of the legislation, by carrying out targeted checks at the road side as well as at the premises of the undertakings, this factor can be evaluated, thus making possible the prevention of road accidents in which drivers of certain vehicles may be involved. Also, the implementation of the legislation ensures equal terms of competition between the enterprises and improves the working conditions of the said drivers.

### **1.14.1 Legislation / Implementation of Legislation**

Cyprus is harmonized with the European Directive 2006/22/EC and implements the European Regulations with no. 561/2006 and no. 3821/85 via the Control of Driving Hours and Rest of Drivers of Certain Vehicles Law of 2007 (L. 86(I)/2007), which superseded the Control of Driving Hours and Rest of Drivers of Certain Vehicles Law of 2004 (L. 137(I)/2004). On the basis of article 9 of the European

Directive 2006/22/EC and article 20 of Law 86(I)/2007, the Department of Labour Inspection had drafted a new set of Regulations for the Introduction of a Risk Assessment Appraisal System. This system provides information on the inspection of enterprises according to their risk rating, i.e. high risk enterprises will be inspected more frequently than others. The aforementioned draft Regulations is undergoing legal vetting by the Legal Services of the Republic.

Also, Cyprus is harmonized with the European Directive 2002/15/EC via the Organization of Working Time of Persons Performing Mobile Road Transport Activities Law of 2005 (L. 47(I)/2005).

According to article 2(1) of the Law N. 86(I)/2007 and article 2(1) of the Law N. 47(I)/2005, the Minister of Labour and Social Insurance is responsible for the administration and enforcement of the above legislation. The Department of Labour Inspection is duly authorised to enforce the provisions of the above laws. The Competent Authority for the management of the legislative framework is the Department of Labour Relations.

Control Checks at the premises of the Undertakings are carried out exclusively by the Unit for Control of Working Time of Drivers of Certain Vehicles, under the Department of Labour Inspection and the road side checks are carried out by the above mentioned Unit in collaboration with the Cyprus Police.

#### **1.14.2 Monitoring of Drivers' working days in 2010**

According to article 2 of the European Directive 2006/22/EC, the minimum number of examinations of working days that should be carried out in 2010 amounts to 107.973 working days. Up to 31.12.2010, 100.255 working days were examined of which 69.351 at the premises of undertakings and 30.904 days at the roadside. What is more, according to article 2 of the European Directive 2006/22/EC, the minimum percentage of total number of examinations held at the roadside is 30% and at the premises of enterprises 50%. The following table indicates the percentage coverage of the minimum number of examinations required by European Directive 2006/22/EC against the number of examinations carried out in 2010 per case.

	Minimum requirement as per E.U.	Number of examinations carried out in 2010	Percentage of coverage of the E.U. requirements (%)
<b>Total number of examinations of working days</b>	<b>107.973</b> (3% of working days)	<b>100.255</b>	<b>93</b>
Examination of working days at the roadside	32.391 (30% of 107.973)	30.904	95
Examination of working days at the premises of the undertakings	53.987 (50% of 107.973)	69.351	128

The above number of checks of working days of drivers that have been carried out at the roadside includes the checks that have been carried out during campaigns organized by the Cyprus Police, as member of the TISPOL (Traffic Information System for the Police) Organisation. The Department of Labour Inspection participated in the campaigns that took place in March, May, July, September and October of 2010.

#### **1.15 Control of Major Accident Hazards Section**

Major accidents constitute the most serious form of accidents due to their dreadful consequences, not only on persons, but also on the environment. For this reason, their prevention and control has been rightly given particular attention, at a global scale.

The Control of Major Accident Hazards Section implements the Control of Major Accident Hazards Involving Dangerous Substances Regulations of 2001 (P.I. 507/2001). The Regulations came into force on the 1<sup>st</sup> of May 2002 with relevant Notification of the Council of Ministers (P.I. 211/2002). The Section also implements the Control of Major Accident Hazards Related to Dangerous Substances (Amendment) Regulations of 2006 (P.I. 49/2006). The aforementioned Regulations harmonize the Cyprus legislation with the provisions of the European Union Directive 96/82/EC (SEVESO II) and Directive 2003/105/EC (amending the first Directive), except of the provisions related to the land use and the external emergency plans, for which the respective authority is the Department of Housing and Town Planning and the Civil Defense Services.

The Regulations aim at the prevention of major accidents involving dangerous substances and at the limitation of their consequences to people and the environment.

During 2010, the Section conducted inspections of all establishments covered by the Regulations and cooperated with the Civil Defense as far as External Emergency Plans are concerned 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.

## **2. INSPECTION OF MACHINERY AND EQUIPMENT**

### **2.1. The Machinery Inspection & Certification Unit**

The Machinery Inspection and Certification Unit operates with personnel at the Headquarters as well as at the District Offices of the Department. The Unit enforces specific sections of the labour legislation, which concern types of machinery prescribed by legislation, referred to as «Inspectable Machinery». The main activity of the Unit is the inspection of Inspectable Machinery. Other activities of the Unit include the preparation of Reports and Certificates of Inspection, the maintenance of records for collecting the inspection fees and their subsequent follow up, the preparation, follow up and processing of legal cases, the investigation of accidents and dangerous occurrences, the preparation of new legislation, etc.

The Unit enforces the following legislation concerning the inspectable machinery:

- The Safety and Health at Work Law (L. 89(I)/1996), as amended by Laws 158(I)/2001, 25(I)/2002, 41(I)/2003, 99(I)/2003 and 70(I)/2011.
- The Factories Law, Cap. 134, as amended by Laws 43/64, 32/72, 22/82, 25/89, 20/90, 220/91 and 90(I)/96.
- The Buildings and Works of Engineering Construction (Safety, Health and Welfare) Regulations of 1973, (P.I. 161/73).
- The Occupational Safety and Health at Ports Regulations of 1991, (P.I. 349/91).
- The Factories (Manner of Preparing Steam Boiler in Cold Condition) Order,
- The Factories (Forms) Order,
- The Factories (Prescribed Fees) Order of 2008, (P.I. 6/2008),

Within the framework of the enforcement of the above legislation, the Unit provides specialised inspection services to the owners of inspectable machinery. The services provided include inspection, testing and examination, according to the type of inspectable machinery. Every registered inspectable piece of machinery is certified at regular periods, according to the provisions of the legislation. The Inspector, depending on the work carried out, issues a Report of Examination or a Certificate of Test and Examination to the owner of the machinery.

The table of **Appendix XVI** shows an analysis of the machinery inspections carried out by the Inspectors, by District and category of machinery in the year 2010.

The table of **Appendix XVII** shows an analysis of inspectable machinery by District and category of machinery registered into the Computerised Information System of the Department on 31.12.2010.

The following Table shows the corresponding Sections of the Factories Law that apply to the inspectable machinery, the maximum period provided between two inspections and comparison of the number of inspections carried out per machinery category with the corresponding number for the year 2009.

Machinery Type	Number of Inspections		Maximum Prescribed Period between Inspections	Section of the Factories Law on the Frequency of Inspections
	2010	2009		
Lifts and Hoists	430	458	6 months	33(2)
Hydraulic Lifting Platforms	8	0	12 months	33(9)(c)
Cranes and other Lifting Devices	323	267	14 months	35(2)
Steam Boilers	333	344	14 - 18 months	40(7)
Steam Receivers	9	8	26 months	41(4)
Air Receivers	106	80	26 months	42(5)
Ropes	0	0	6 months	34
<b>TOTAL</b>	<b>1.209</b>	<b>1.157</b>		

Within the framework of the enforcement of the legislation, an exemption from the provisions of the legislation concerning the periodic inspection of lifts was granted for 41 cases of lifting appliances installed in wind turbines at the Orites Wind Park.

During 2010, the country wide campaign organised in order to collect the fees due from previous inspections of machinery was continued. The Inspectors contacted (via telephone or personal visit) the affected owners to achieve an effective recovery of the arrears of revenue. Until 31.12.2010, the amount due to the Department was reduced to €31.965,83, which included dues collected during 2010, in comparison to €53.211,94 arrears until 31.12.2009.

Also, during 2010, the Department of Labour Inspection, in cooperation with the Social Partners, finalised the public consultation procedure of the draft Regulations titled «The Safety and Health at work (Operation, Maintenance and Inspection of Lifts) Regulations». This draft updates the periodic lift inspection and defines the



responsibilities, obligations and the professional qualifications for those directly involved in installing, maintaining and inspecting lifts as well as the obligations and liabilities of the lift owners. It has been agreed with the Social Partners that the periodic inspection of lifts will be carried out by private entities. At the Labour Advisory Body meeting held on 9.12.2010, the members of the Body approved the above draft Regulations and agreed to forward them to the Legal Services of the Republic for legal vetting prior before submitting them to the Parliament.

At the same meeting of the Labour Advisory Body, the members of the Body approved the Code of Practice for the Training of Mobile Crane Operators, which sets the framework of the minimum training level that crane operators should attain. The Code of Practice specifies the theoretical knowledge and practical experience that should be expected from crane operators. In September 2010, the draft version of the Code of Practice went through a public consultation procedure and stakeholders submitted their views and comments that were assessed and incorporated in the text of the Code. The Code of Practice was issued by Order of the Minister of Labour and Social Insurance in the Official Gazette of the Republic on 31.12.2010 (P.I. 529/2010).

## **2.2. CE Marking Products Section**

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

- Machinery,
- Lifts,
- Pressure Equipment,
- Simple Pressure Vessels,
- Personal Protective Equipment, and
- Equipment and Protective Systems for Use in Explosive Atmospheres.

The enforcement of the CE legislation ensures that only products that meet the requirements of the relevant legislation are placed on the market.

In 2010 an Officer of the Department of Labour Inspection attended many meetings of the Approval Committee, which is chaired by the Ministry of Commerce,

Industry and Tourism, to examine three applications of respective organisations for approval as Cyprus Notified Bodies. The applications were submitted in accordance with the Essential Requirements to be fulfilled by Specific Product Categories Laws of 2002 to 2009 and the special Regulations applicable in each case.

Also, in December 2010, the Department participated with two Officers at two Seminars organised by the Cyprus Organisation for Standardisation titled “Harmonised Standards and CE marking for electromechanical products” and presented the relevant applicable harmonising legislation.

Moreover, in 2010, the Unit monitored the website of the European Union for publications of new Harmonized Standards for products falling under the 6 categories of CE marking mentioned above. It prepared 7 Notifications, which were published in the Cyprus Government Gazette and on the website of the Department. The currently in force Notifications are as follows:

Pos	Class	Notification
1.	Machinery	P.I. 451/2010
2.	Elevators	P.I. 200/2010
3.	Pressure Equipment	P.I. 38/2010
4.	Simple Pressure Vessels	P.I. 388/2010
5.	Personal Protective Equipment	P.I. 320/2010 and P.I. 179/2010
6.	Equipment and Protective Systems for Use in Explosive Atmospheres	P.I. 456/2010

Also, a new set of Regulations was drafted to transpose the provisions of European Directive 2009/127/EC, amending Directive 2006/42/EC, with regard to machinery for pesticide application. At this stage, the draft Regulations undergo legal vetting by the Legal Services of the Republic.

The purpose of market surveillance is to ensure that only the products that comply with the provisions of the CE marking legislation are placed on the market. This is achieved by paying regular visits to premises where the product categories mentioned above are manufactured, imported, displayed for sale or installed. Market surveillance is carried out by authorised Officers of the Department from the Headquarters and the District Offices within the framework of inspections on a sampling basis, as well as after information is received regarding non-conforming products. Such information is usually received from other surveillance authorities or from consumers, employees or from other persons. Periodically, random inspections

at retail shops and undertakings are conducted on the basis of a special Market Surveillance Programme prepared for the Cyprus market. In particular, in 2010, 274 market surveillance activities were carried out including inspections at undertakings, investigation of complaints and inspections during the product clearing procedure at the Customs Offices.

Within the framework for the enforcement of European Regulation 765/2008/EC setting out the requirements for accreditation and market surveillance relating to the marketing of products, put into force on 1.1.2010, the Unit prepared its Market Surveillance Programme. This Programme included lifts and lifting appliances, mobile cranes, personal protective equipment, LPG tanks and air vessels.

Furthermore, in cooperation with the Customs Authorities, during the importation stage, 480 non-compliant helmets for bicycle and horse riding were discovered and destroyed. Also, many pieces of machinery and equipment without CE, such as power drills and dough machines coming from third countries were banned from entry into Cyprus and were exported back.

In addition to the Market Surveillance Programme, two special market surveillance campaigns were carried out. The first one on ATEX products, which focused on markings, documents and user instructions and the second one on machinery, targeting noise emission levels of machinery. These campaigns were carried out in cooperation with other market surveillance authorities that take part at the respective Administrative and Cooperation Committees (AdCo) of the European Union.

Within the framework of the inspections of LPG installations, a market surveillance activity was implemented on all LPG installations equipped with pressure equipment (LPG vessels, pressure relief valves, shut-off valves, pipework, etc) including equipment intended for use in explosive atmospheres, which must have a CE and are described in section 2.3 below. In cases where products non compliant with the relevant legislation were found, the Inspectors requested from the owners of the installation to bring them to compliance.

Also, Officers of the Department investigated two cases of mobile cranes that were imported without having the necessary CE marking and examined 41 cases of lifting appliances installed in wind turbines.

Additionally, the Department informed the general public for 42 cases of dangerous products of public use by issuing a total of 20 Announcements and respectively uploaded the relevant information at the European Network RAPEX for rapid alert notifications of the European Union.

### **2.3 LPG Unit**

Following the transfer of authority for LPG to the Department of Labour Inspection, the Department intensified its activities, which included inspections of LPG storage facilities, drafting Codes of Practice to assist the relevant stakeholders, preparing an amendment of the Petroleum legislation, specifying the procedure for the inspection of LPG installations on catering vehicles, etc.

In particular, during 2010, 37 LPG installations were inspected within the framework of the safety and health at work legislation. The Inspectors also examined complaints of the public regarding LPG installations. Also, in the process of Licence granting by the District Officers for the storage of LPG, 721 inspections were carried out by the Inspectors of the Department at undertakings where LPG is stored and informed accordingly the relevant District Office.

Furthermore, 53 inspections of LPG installations on catering vehicles were carried out.

The Department of Labour Inspection examined two applications from respective organisations for approval as Inspection Organisations for the periodic examination of LPG vessels.

What is more, in the process of modernising the LPG legislation, the Department of Labour Inspection drafted the Code of Practice for LPG Installations. The above Code of Practice explains in technical terms the requirements of the legislation relevant to LPG. The draft version of the said Code underwent a public consultation procedure and the comments received were assessed and accordingly incorporated in its text. The Code of Practice was presented to the Technical

Committee of the Labour Advisory Board on 11.11.2010 and the representatives of the Social Partners agreed that it should be further forwarded. Following the unanimous support of the Labour Advisory Board on 9.12.2010, the Code of Practice was issued by Order of the Minister of Labour and Social Insurance in accordance with article 39 of the Safety and Health at Work Laws of 1996 up to 2003 (P.I. 530/2010).

In addition to the above Code of Practice, another Code of Practice was also drafted for Small LPG Installations covering simple installations with up to 3 cylinders. In 2011, the Code of Practice for Small LPG Installations will go through a public consultation procedure and afterwards will be issued by Order of the Minister of Labour and Social Insurance.

In November 2010, 13 Inspectors attended a 5-day training programme on the Safety of LPG Installations at the Limassol based Approved Assessment Centre on LPG Safety of the Logic Certification Programme.

### **3. INDUSTRIAL POLLUTION CONTROL SECTION**

#### **3.1. Control of Industrial Emissions**

##### **3.1.1 Permitting**

During 2010, within the framework of the implementation of the provisions of the Atmospheric Pollution Control Laws of 2002 to 2009, the Water Pollution Control Laws of 2002 to 2009 and the Integrated Pollution and Prevention Laws of 2003 to 2008 that refer to the permitting of industrial installations, the competent Technical Committee for the Protection of the Environment, which is chaired by the representative of the Department of Labour Inspection, examined 67 applications and prescribed specific operating conditions and emission limit values aiming at the effective protection of the environment. Upon proposals of the Technical Committee for the Protection of the Environment, which apart from the Ministry of Labour and Social Insurance, it is represented by five other co-authoritative Ministries, by the Cyprus Scientific and Technical Chamber and by the Cyprus Federation of Environmental and Ecological Organizations, 18 Air Emission Permits were granted by the Minister of Labour and Social Insurance and 28 Discharge Licenses were granted by the Minister of Agriculture, Natural Resources and Environment.

The categories and number of installations for which Air Emission Permits were granted in 2010, are shown in **Appendix XIX**.

##### **3.1.2 Inspections / Measurements**

Regarding the implementation and enforcement of the legislation, particular emphasis was given on checking the compliance of installations with the specified operating conditions and emission limits of the Air Emission Permits. For this purpose, the inspections and the environmental measurements continued during 2010 in a more systematic way. Priority was given to the inspection and monitoring on a systematic basis, of those industrial installations, which, by the nature of their processes and location, are likely to cause adverse impact to the public health and the environment. In accordance with the Operating Conditions specified in the relevant Permits, the large industrial installations have already proceeded with the installation of control systems for pollution reduction (filters) at the emission sources

and as a result, the adverse implications on the environment from their operation, have been considerably reduced.

During 2010, 235 inspections were carried out at permitted installations in order to check the compliance with the Operating Conditions, which are specified in the corresponding Air Emission Permits and 21 inspections were carried out at non-registrable installations (e.g. boilers, crushing plants, concrete producing factories, etc.) in order to check the compliance with the conditions which are specified in the relevant Regulations. In addition, 10 inspections were carried out at paint selling stores and 17 inspections were carried out for the investigation of public complaints related to the operation of neighbouring factories. Furthermore, eleven questions of Members of the House of Representatives and three questions submitted by the Ombudsman were answered.

The Inspectors of the Department periodically monitor emissions from large-scale industrial installations using the Mobile Emissions Monitoring Unit of the Department, which is appropriately equipped with monitoring instruments. During 2010, nine sets of emission measurements on the concentration of different pollutants (dust, fume, sulphur dioxide, nitrogen oxides, volatile organic compounds) were carried out in large-scale industries (Power stations, cement factories, paint manufacturing industries, etc) in order to check for compliance with the emission limits, which are specified in the Air Emission Permits. Two emission measurements were also carried out at industrial boilers to check their emissions.

The monitoring of the operation of large-scale industrial installations was also achieved by competent Inspectors through the data validation and control of the air emission measurements obtained from instruments installed by the operators at the stacks of the aforementioned installations. The obligation for continuous emissions monitoring (self-monitoring) is included as a condition in the relevant Air Emission Permits for the large-scale industrial plants. The Inspectors of the Department of Labour Inspection have access to the emission measurements obtained by the plant operators through self-monitoring.

During 2010, one Prohibition Notice was issued to an installation for violation of the legislation. Also, thirteen Warning Letters were sent to installations, which were not operating according to the conditions specified in their permits, in order to take

measures to comply. In 2010, three penal cases for violating the Atmospheric Pollution Control Law, which were pending before the Court, were concluded. The Court imposed a fine of €2.500 for the first case, €1.800 for the second case and €1.800 for the third case.

### **3.1.3 Monitoring of the market for Certain Paints, Varnishes, Vehicle Refinishing Products and Other Paint Products**

The purpose of the monitoring of the market is to ensure that certain paints, varnishes, vehicle refinishing products and other paint products comply with the Volatile Organic Compounds (VOC) content limit values set out in the relevant legislation. This is accomplished through inspections of paint sellers and paint production stores and vehicle refinishing installations. The market surveillance is carried out through the framework of enforcement of legislation, sampling examinations and also due to complaints for non-conformity.

The Minister of Labour and Social Insurance has authorized Labour Inspection Officers to carry out monitoring of the Cyprus market for the purpose of verifying compliance with the legislation.

During 2010, 10 inspections were carried out at paint sellers, paint production stores and vehicle refinishing installations, in order to ensure that the products carry labels when placed on the market, according to the requirements prescribed by in the legislation.

In addition, 30 samples were analyzed by an accredited laboratory for their VOC content and the results demonstrated compliance with the VOC content limit values prescribed by the legislation.

## **3.2 Annual National Air Pollutant Emissions**

The Department of Labour Inspection, 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 2010. Within this framework, the annual emissions of the air pollutants of Cyprus were estimated for the year 2008 and were forwarded to the Executive Body of the Convention and to the European



Environment Agency. The data referred to above, has been included in the relative reports published by the Executive Body of the Convention.

The annual national air pollutant emissions per section / activity and relevant figures for the year 2008 are shown in the table and Figures 1-6 of **Appendix XIX**.

Further to the industrial emissions of Total Suspended Particulate (TSP), the table in **Appendix XXI** also shows the fraction of the total dust, which consists of particles with aerodynamic diameter smaller than 10 microns (PM<sub>10</sub>) and smaller than 2,5 microns (PM<sub>2,5</sub>). It is to be noted that the smaller the aerodynamic diameter of particulate matter, the greater the danger for human health is.

### **3.3 European Pollutant Release and Transfer Register, E-PRTR**

According to the requirements of the European Regulation 166/2006/EC concerning the establishment of a European Pollutant Release and Transfer Register (E-PRTR Regulation), Cyprus is required to submit on an annual basis key environmental data from industrial activities. In March 2010, the Department of Labour Inspection submitted to the European Commission and the European Environment Agency, the second report with the relevant data for Cyprus.

The European Pollutant and Transfer Register contains comparable data on the main pollutant releases to air, water and land as well as transfer of wastes from industrial facilities across the European Union. It aims at presenting the improvement of the environmental performance of the facilities that fall within the scope of the E-PRTR Regulation and also the assessment of the progress regarding the compliance with the environmental targets set for each Member State according to International Agreements and Protocols.

Specifically, the Department of Labour Inspection submitted online, with the aim of a comprehensive database that was developed, the environmental data regarding releases to air from several industrial activities, including slaughter houses, quarries, waste treatment installations and intensive livestock facilities. The Department of Labour Inspection organized 6 seminars to inform the operators of the relevant installations about their obligations arising from the E-PRTR Regulation and also to assist them in calculating the releases to air from their installations and completing the relevant questionnaire with the required environmental data.

Upon a request from the Department of Labour Inspection, the Department of Information Technology Services called for tenders and the successful Tenderer developed a specialized database and internet site where all relevant environmental data will be uploaded. This will result in the full implementation of the European Regulation 166/2006/EC, enabling also the public to have access to environmental information concerning the annual amounts of pollutant releases from installations that fall within the scope of the Regulation. The specific database and internet site is already in pilot operation and it is expected to be fully operational in 2011.

### **3.4 Harmonizing Legislation**

Within the framework of harmonizing the Cyprus legislation with the European Union Acquis, the following legislation has been issued:

1. The Control of Atmospheric Pollution (Limitation of Volatile Organic Compounds due to the Use of Organic Solvents in Certain Activities and Installations) (Amendment) Regulations of 2010
2. The Limitation of Emissions of Volatile Organic Compounds due to the Use of Organic Solvents in Certain Paints, Varnishes, Vehicle Refinishing Products and Other Paint Products (Amendment) Law of 2010

### **3.5 Seminars**

The Department of Labour Inspection organised a seminar for informing producers, importers and distributors of paints and varnishes about their obligations regarding the new limit values for maximum content in certain paints and varnishes of Volatile Organic Compounds (VOC) that came into force on 1.1.2010.

During the seminar, Part A of Annex II of The Limitation of Emissions of Volatile Organic Compounds due to the Use of Organic Solvents in Certain Paints, Varnishes, Vehicle Refinishing Products and Other Paint Products Law of 2006 that specifies the new limit values was presented and explained.

The Department of Labour Inspection also organised a seminar for informing the operators of installations that fall under the provisions of The Control of Atmospheric Pollution (Limitation of Volatile Organic Compounds due to the Use of Organic Solvents in Certain Activities and Installations) Regulations of 2003 about their obligations to prepare a Solvent Management Plan and estimate fugitive emissions of VOC.

An example of estimating fugitive emissions of VOC necessary for the preparation of the Solvent Management Plan was presented to the participants.

### **3.6 International Seminar in Cyprus**

The Department of Labour Inspection organised from 10-12 May 2010 in Larnaca the annual meeting of the Task Force on Emission Inventory and Projections of the UNECE Convention on Long-range Transboundary Air Pollution.

## 4. AIR QUALITY CONTROL SECTION

### 4.1 Ambient Air Quality Monitoring

In 2010, the Air Quality Section continued monitoring air quality in Cyprus as this has been its ongoing task since 1991. The monitoring was carried out via the operation of nine stations equipped with automatic real time measuring instruments for the following pollutants:

- Nitric Oxide, Nitrogen Dioxide and Oxides of Nitrogen (NO, NO<sub>2</sub>, NO<sub>x</sub>),
- Ozone (O<sub>3</sub>),
- Sulphur Dioxide (SO<sub>2</sub>),
- Carbon Monoxide (CO),
- Particulate Matter (PM), and
- Benzene (C<sub>6</sub> H<sub>6</sub>).

In addition, the most important meteorological parameters are also monitored, such as:

- Wind Direction (WD),
- Wind Speed (WS),
- Ambient Temperature (T),
- Relative Humidity (RH),
- Atmospheric Pressure (P), and
- Solar Radiation (SR).

A photo of a representative station is shown in Figure 1 of **Appendix XX**.

During 2010, ambient air measurements were carried out on a systematic basis at the following locations:

- Nicosia Police Headquarters-near Strovolos Avenue
- Vasilikos Area - Zygi Village
- Ayia Marina – Xyliatou Village
- Apostolos Loukas Elementary School, Strovolos
- Intersection of Ayia Sofia and Seyhellon Streets, Limassol
- Intersection of Archiepiskopou Makariou III Avenue and Tsirou Street, Limassol
- Larnaca Municipality Park
- Aristofanous Street, Larnaca, close to the Drosia Elementary Schools
- Paphos Central Police Station premises

The results of the measurements are given on-line together with other relevant information on the website [www.airquality.gov.cy](http://www.airquality.gov.cy). They are also presented through one outdoor display panel and two indoor display panels. The outdoor display panel was transferred from old GSP Stadium to Licavitos Police Station, where more citizens have the opportunity to view it. One indoor display panel is located at the Citizen's Service Center in Nicosia and the other one at the entrance of the Ministry of Labour and Social Insurance main building. In the cases of dust storms from the desert affecting air quality in Cyprus, warning announcements for the public are issued.

In addition, measurements of dust (PM<sub>10</sub> and PM<sub>2.5</sub>), benzene and other volatile organic compounds were carried out in all cities. Dust has also been analysed for Lead and other Heavy Metals.

The assessment of the results, obtained from the above mentioned locations, regarding sulphur dioxide, carbon monoxide, nitrogen dioxide and nitrogen oxides, benzene, lead, arsenic, cadmium, nickel and benzo(a)pyrene indicate that the concentrations of most pollutants are below the relevant limits.

A selection of graphs with measurement results is presented in **Appendix XX**. As seen in Figure 2, the annual average values from 2000 to 2008 at the station located at the old Nicosia General Hospital indicate continuous reduction of the concentrations of the pollutants NO<sub>2</sub>, NO<sub>x</sub>, CO and SO<sub>2</sub>. This reduction is mainly due to the improvement of the quality of fuel, the import of new technology vehicles equipped with catalyts, the periodic inspection of vehicles, etc.

Ozone and Particulate Matter are exceptions to the reductions observed. In the case of Ozone, the limit exceedances are mainly due to the prevailing climate conditions in Cyprus (high temperatures and high solar radiation), which contribute to ozone formation as well as the transboundary pollution and the transport of ozone and its precursor substances from the Eastern Mediterranean region and neighbouring countries. Figure 3 of **Appendix XX** shows the annual average ozone values at four representative areas.

The exceedances of the respirable suspended particles observed are mainly due to emissions from vehicles, central heating, industrial plants, dust transport from

agricultural areas, dust resuspension from the roads and open areas in the cities as well as due to natural occurrences, such as transboundary pollution and sea salt.

Figure 4 of the same Appendix shows the annual average values of PM<sub>10</sub> at the Traffic Stations of Nicosia, Limassol, Larnaka and Pafos and at the rural background station of Ayia Marina-Xyliatos (EMEP) for the years 2005 to 2009. With the exception of the last station, all values exceed the yearly limit value which is 40 µg/m<sup>3</sup>.

In Figure 5, the number of exceedances of the daily limit value (50 µg/m<sup>3</sup>) at the same stations is presented. With the exception of the EMEP station, the number of exceedances at the other stations goes above the maximum allowed number of 35 per year.

So as to deal with the exceedances problem, especially as far as PM<sub>10</sub> are concerned, and to improve air quality concerning the other pollutants as well, the Labour Inspection Department prepared an Action Plan for the Air Quality Improvement, which was approved by the Council of Ministers in 2008 and was submitted to the European Commission. Meanwhile, the work for source identification for PM<sub>10</sub> continued with chemical analyses aiming to identify the contribution of the natural sources, so that realistic measures could be taken to limit the pollution from anthropogenic sources.

The progress of applying the measures of the Action Plan is monitored by the Department of Labour Inspection, as the Responsible Authority through a Technical Committee, which is prescribed in the relevant legislation. This Technical Committee comprises of the representatives of the other five Ministries specified in the legislation, as well as the representatives of Local Authorities and other related groups. The National Action Plan is published on the above mentioned webpage.

## **4.2 Harmonizing Legislation**

In 2010, the new Law on Atmospheric Air Quality L.77(I)/2010 as well as the relevant Air Quality Regulations R.327/2010, for the limit values of Sulphur Dioxide, Nitrogen Dioxide, Nitrogen Oxides, Particulate Matter, Lead, Carbon Monoxide, Benzene and Ozon, were approved by the parliament and published completing the

transposition of the Directive for atmospheric air quality and cleaner air for Europe, 2008/50/EC, into Cyprus Legislation.

#### **4.3 Accreditation of the National Reference Laboratory**

The Labour Inspection Department applied to the Cyprus Organization for the Promotion of Quality, asking for the accreditation of the National Reference Laboratory according to the standard EN 17025, as required by the Directive 2008/50/EC.

#### **4.4 Events for Informing the Public on Air Quality**

The Department of Labour Inspection participated in the events during the European Mobility Week in September 2010, by broadcasting radio messages to the public and with Labour Inspection Officers taking part in related radio programs. The messages referred to the ways in which the public can contribute to improving air quality. On September 18<sup>th</sup>, the Department of Labour Inspection participated in the events organised presenting in a booth, through a 32 inches screen, its webpage with direct measurements of air quality.

#### **4.5 Project Life+**

The Department of Labour Inspection was granted 1.3 million euros as the coordinating beneficiary for the Life+2009 program titled "Particulate matter monitoring, modeling and management". The project which starts in 2011 includes as associate beneficiaries the Technical Cyprus University (TEPAK), the Aristotelian University of Thessaloniki and the companies Atlantis Consulting Cyprus Ltd and ESS GmbH of Austria. The programme's duration is three years.

#### **4.6 State of the Environment 2010 (SOER2010)**

The contribution of the Department of Labour Inspection regarding Cyprus Air Quality and Air Pollution is included in the Report SOER2010 (State of the Environment 2010), which was published on the webpage (<http://www.eea.europa.eu/soer>) of the European Environmental Agency.

#### **4.7 International Conference in Cyprus**

The Department of Labour Inspection organized with great success the annual workshop of the Task Force for Measurements and Modeling of the Convention of Transboundary Pollution of the Atmosphere (Task Force on Measurements and Modelling, TFMM), from the 12<sup>th</sup> to the 14<sup>th</sup> of May 2010.



## 5. CONTROL OF CHEMICAL SUBSTANCES SECTION

In 2010, the main objective of this Section of the Department of Labour Inspection was the enforcement of the existing legislation on dangerous substances, the amendment of certain provisions of the legislation and the issue of new legislation in order to harmonize with the European acquis and to implement provisions of the Rotterdam Convention on the import and export of certain dangerous substances and mixtures (PIC Convention), as well as of the Stockholm Convention on Persistent Organic Pollutants (POPs). With the above mentioned legislation, the Department is aiming to achieve complete control of dangerous chemical substances, mixtures and products containing dangerous substances which are imported, exported or placed on the Cyprus market. Furthermore, during 2010, the necessary collaboration with other Governmental services was promoted in order to have a better control of these dangerous substances.

During 2010, the Control of Chemical Substances Section continued its effort for providing information to all stakeholders on the provisions of the European Regulation 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). With this European Regulation, it is anticipated that approximately 30.000 chemical substances will be examined and assessed by their producers or importers based on a procedure that will determine their impact and risks on human health and the environment.

According to the REACH provisions, the substances that will gradually be included in the new process are those produced or imported in quantities equal or greater than one tonne per year. The new approach introduced by REACH replaces procedures covered by 70 European Directives, published over the last 43 years. Upon entry into force of REACH Regulation, the majority of these Directives have been repealed. The remaining Directives related to classification, packaging and labeling are now dealt with by the new European Regulation 1272/2008 concerning Classification, Labeling and Packaging of substances and mixtures (also known as CLP Regulation), which was published on 31.12.2008 and entered into force on 20.1.2009. The new European Regulation CLP has incorporated into the European acquis the provisions of the Globally Harmonised System (GHS) on Classification and Labeling of Chemical Substances.

The Department of Labour Inspection actively participated in the majority of the meetings of the Committees of the European Chemicals Agency, in order to subsequently inform all importers, producers and users in Cyprus on any new developments. In addition, for the effective implementation of REACH and CLP Regulations, the Department established two Helpdesks and created the necessary infrastructure to facilitate the exchange of information on chemical substances with the European Chemical Agency and other European Competent Authorities. In parallel, it organized several seminars informing all stakeholders about their obligations arising from REACH and CLP Regulations.

During 2010, there was an on-going effort to inform various enterprises on their obligation to register the chemical substances they produce or import from third countries to the European Chemicals Agency. This registration obligation falls on all enterprises that produce or import from third countries chemical substances per se, in mixtures or in articles in a quantity equal or greater than one tonne per year. The first registration period ended on 30.11.2010.

For informing those having responsibilities under CLP, a poster and other information material was prepared and disseminated. During 2010, 4 targeted seminars were organised to inform specific group of manufacturers and importers on their responsibilities under CLP. Also, in November 2010, a workshop was organised titled: "Notification to the Classification and Labelling Inventory according to the CLP Regulation provisions". The workshop was attended by producers and importers of chemicals who, according to the provisions of CLP, should notify to ECHA, information on the classification and labeling of their chemicals by the 3<sup>rd</sup> of January 2011 or one month after the first import.

In addition, information material has been prepared as part of the effort to inform enterprises on obligations arising from the REACH Regulation. This information material concerns the authorisation procedure and the classification and labeling of paraffin oil.

Within the framework of data acquisition for chemical substances placed on the Cyprus market and to meet the obligations of Cyprus to the European Union, data was collected in the following cases:

- For specific chemical substances classified as dangerous and for which relevant information was requested by the European Commission.
- For chemicals imported to Cyprus from third countries which are most probably not classified according to the provisions of the European legislation and which do not have the necessary European reference numbers (EINECS or ELINCS).
- For dangerous chemical substances or mixtures for which restrictions on use exist and which have been imported to or used in Cyprus during 2010 (implementation of European Regulation 689/2008/EC).

During 2010, 150 inspections were carried out at undertakings where various chemical substances are prepared or imported, as well as to supermarkets, retail and wholesale stores which trade toys, clothes and jewelry. The aim of these inspections was to locate chemical products produced or imported to Cyprus that do not satisfy the provisions for classification, packaging and labeling prescribed by the legislation as well as the tracking down of products containing dangerous chemical substances in concentrations exceeding those set by the legislation. Appropriate actions were taken for the non-compliant products and recommendations were made to the importers / producers, who subsequently carried-out corrective actions, aiming to the protection of the health and safety of the workers, the public and the environment. In particular, non-compliant products were withdrawn from the market and four companies were prosecuted for breaching the chemicals legislation. In December 2010, the Nicosia District Court found guilty and imposed fines on two companies for placing on the market and selling to the general public toys with toxic chemicals. Two more cases are pending and their trial is expected to take place in 2011.

Furthermore, during 2010, the Department of Labour Inspection was represented at the competent authorities meeting for European Regulation 689/2008 and followed the international efforts undertaken by the United Nations to control and manage chemicals (Strategic Approach to International Chemicals Management-SAICM).

## 5.1. New legislation

In 2010, the following legal instruments were adopted by the House of Representatives and published in the Gazette:

1. The Chemical Substances Law of 2010 (N.78 (I) / 2010).
2. The Chemical Substances (Classification, Packaging and Labelling of Dangerous Substances and Mixtures) Regulations of 2010 (P.I. 324/2010).
3. The Chemical Substances (Breach of the provisions of REACH) Regulations of 2010 (P.I. 331/2010).
4. The Chemical Substances (Breach of the provisions of Regulation EC/689/2008) Regulations of 2010 (PI 332/2010).
5. The Chemical Substances (Breach of the provisions of Regulation EC/1272/2008) Regulations of 2010 (PI 333/2010).
6. The Chemical Substances (Breach of the provisions of Regulation EC/1102/2008) Regulations of 2010 (PI 334/2010).
7. The ratifying Law for the Convention on Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade (Ratification) (Amendment) of 2010 (N.16 (III) / 2010).
8. The Chemical Substances (Classification, Packaging and Labelling of Dangerous Substances and Mixtures) (Amending) Regulations of 2010 (PI 457/2010).
9. The ratifying Law for the Stockholm Convention on Persistent Organic Pollutants (amendment) of 2010 (N.17 (III) / 2010).

Also prepared and forwarded to the Legal Service for final control is the ratifying Law for the Stockholm Convention on Persistent Organic Pollutants (Amendment 2) of 2010.

## **6. SECTION OF RADIATION PROTECTION, NUCLEAR SAFETY AND RADIOACTIVE WASTE MANAGEMENT**

The main objective of the Radiation Protection, Nuclear Safety and Radioactive Waste Management Section is to ensure adequate levels of protection of the workers, the public, the patients and the environment from the risks due to exposure to ionising radiation or dispersion of radioactive substances, as well as to ensure adequate levels of protection for the workers and third parties from the risks that may arise due to exposure to non-ionising radiation. The above objective is realised through the operation of a comprehensive radiation protection system that includes licensing, inspection of radiation sources and practices that involve use of or exposure to ionising radiation, monitoring of environmental radioactivity levels, control of radioactive waste and nuclear spent fuel management, radiological or nuclear emergency preparedness and response, as well as the control of sources and practices that involve use of or exposure to non-ionising radiation, in cooperation with other institutions and stakeholders.

### **6.1 Implementation of legislation on the protection from ionising radiation**

During 2010, the efforts towards achieving a more integrated and effective implementation of the legislation on the Protection from Ionising Radiation (enacted in 2002 and amended in 2009 (L. 115(I)/2002, L. 8(I) / 2009 and relevant Regulations issued under the Laws)), continued.

The International Joint Convention on the Safety of Spent Nuclear Fuel Management and the Safety of Radioactive Waste Management, which was ratified by Cyprus and published as a ratification law on 24.7.2009 (N.13(III)/2009), was enacted [on 19.1.2010]. Also, draft law proposals, to be forwarded to the Council of Ministers, for the ratification of the Convention on the Physical Protection of Nuclear Material (CPPNM) and the amendment of articles of the International Atomic Energy Agency (IAEA) Statute, where Cyprus is a contracting party, were prepared.

In addition, the “Health and Safety at Work (Artificial Optical Radiation) Regulations of 2010” (P.I. 247/2010), transposing the relevant European Union Directive 2006/25/EC to the Cyprus Legislative Framework, were published in the Official Gazette of the Republic and immediately entered into force on 11.6.2010.

The above legislation is fully in line with the relevant European Acquis, and with the Standards and Regulations of the International Atomic Energy Agency, of which Cyprus is a member since 1965. In addition, Cyprus is a contracting party to various international treaties, conventions, agreements and protocols regulating issues of non proliferation of nuclear weapons, combat of nuclear terrorism, early warning and assistance in case of nuclear accident or radiological emergency, physical protection of nuclear material, banning of nuclear testing, etc. Finally, because Cyprus is a member state of the European Union, the EURATOM Treaty and all relevant EURATOM Regulations and Decisions are also binding.

The above legislation prescribes the general framework of obligations and procedures for licensing of all sources and practices that involve the use of, or exposure to, ionising radiation, as well as the measures to be taken for the protection from ionising radiation and provides for the empowerment of the Council of Ministers to issue Regulations.

Under the Protection from Ionising Radiation Laws of 2002 and 2009, the Radiation Inspection and Control Service (RICS) has been established within the Department of Labour Inspection and is presently staffed by one Senior Labour Inspection Officer and four Labour Inspection Officers (one on a contract basis). In addition to the enforcement of the relevant legislation and the implementation of the government policy in this area, RICS is also the centre of expertise with respect to ionising radiation and is the Contact Point of the Republic of Cyprus for these matters with EURATOM, IAEA and other international organisations or Radiation Protection and Nuclear Safety Regulatory Authorities.

In 2010, the education and training of various target groups of stakeholders as well as the inspection of workplaces, medical centres and premises where use of, or exposure to, ionising radiation occurs continued. In this framework, the Department of Labour Inspection issued two press releases regarding the use of laser equipment and the exposure to ionising radiation for medical purposes.

In 2010, various leaflets informing the workers and businesses with regard to the implementation of the legislation on protection from ionising radiation were also prepared.

Within 2010, 90 premises where use of, or exposure to, ionising radiation occurs were inspected and 19 licenses for ionising radiation sources and practises, as well as 18 approvals for the import or export of various sources of ionising radiation and radioisotopes, were granted. At the same time, the procedure for licensing additional enterprises where the use of, or exposure to, ionising radiation occurs, continued.

Moreover, a large number (290) of certificates regarding the levels of radiation concentration in scrap metals, plastics, car batteries, animal feed, food products and drinks, to be exported abroad, were issued.

In order for RICS inspectors to perform measurements and checks for ionising and non-ionising radiation, additional portable and laboratory equipment of a total value of €22.000 was purchased.

## **6.2. Environmental Radioactivity Monitoring**

The Ambient Gamma Dose Rate in Air Monitoring Network and Early Warning System in Case of Radiological Emergency comprises of eight fixed and one mobile stations and three control centers and covers the whole area controlled by the Republic of Cyprus. Since 2009, the monitoring network has been upgraded and connected with the European network EURDEP at the Joint Research Center in ISPRA, Italy, collecting and automatically transmitting data on an hourly basis. Environmental radioactivity data is also submitted to the European Environmental Radioactivity Monitoring Databank REM once a year.

The National Environmental Radioactivity Monitoring Network, in addition to the telemetric network, includes two sequential low volume air sampling pumps, one in Nicosia and one in Limassol for the measurement of total  $\beta$ -radiation in the air and a high volume pump in Nicosia for gamma radioisotopes monitoring in the atmosphere and specifically for Cs-137.

In 2010, the monitoring, sampling for and measuring of radioactivity levels in soil, water, the marine environment, foodstuff, animal feed, building materials and

consumer goods continued, in cooperation with the State General Laboratory and the Department of Fisheries and Marine Research.

Finally, within 2010, a report including the environmental radioactivity data collected for the years 2004-2009 was prepared and is expected to be published soon (published in January 2011).

### **6.3. Registry of Sources of Ionising Radiation**

Within 2010, the Radiation Inspection and Control Service of the Department of Labour Inspection continued maintaining and upgrading the registry of ionising radiation sources and practices in Cyprus, as well as the national registry of personal dosimetry of the workers exposed to ionising radiation. These registries are maintained, monitored and updated by RICS, under the provisions of the existing legislation. In addition to the records kept on paper, the registries are also kept in electronic form using the software “Regulatory Authority Information System”, RAIS, which was developed by the IAEA.

### **6.4 Implementation of Regional Projects and an IAEA National Project for Cyprus**

The Radiation Inspection and Control Service of the Department of Labour Inspection participates in or implements various regional European IAEA Technical Cooperation projects, which aim at the improvement of the radiation protection, radioactive waste management and nuclear safety systems, as well as at the upgrading of the relevant infrastructure and the capabilities of Cyprus in this field.

In the framework of the implementation of the above projects:

- A number of inspectors of the RICS, of the Department of Labour Inspection, participated in relevant IAEA meetings abroad and were trained on relevant matters. They also participated in various training programmes and workshops organised in Cyprus.
- Within the framework of application of a relevant regional IAEA project for the monitoring of radiation levels at the marine environment, two IAEA experts visited Cyprus and performed radiation level measurements at the



Vasiliko area, in cooperation with officers of the Department of Labour Inspection and the Department of Fisheries and Marine Research.

## **6.5. Cooperation with the European Union, the IAEA and other organisations**

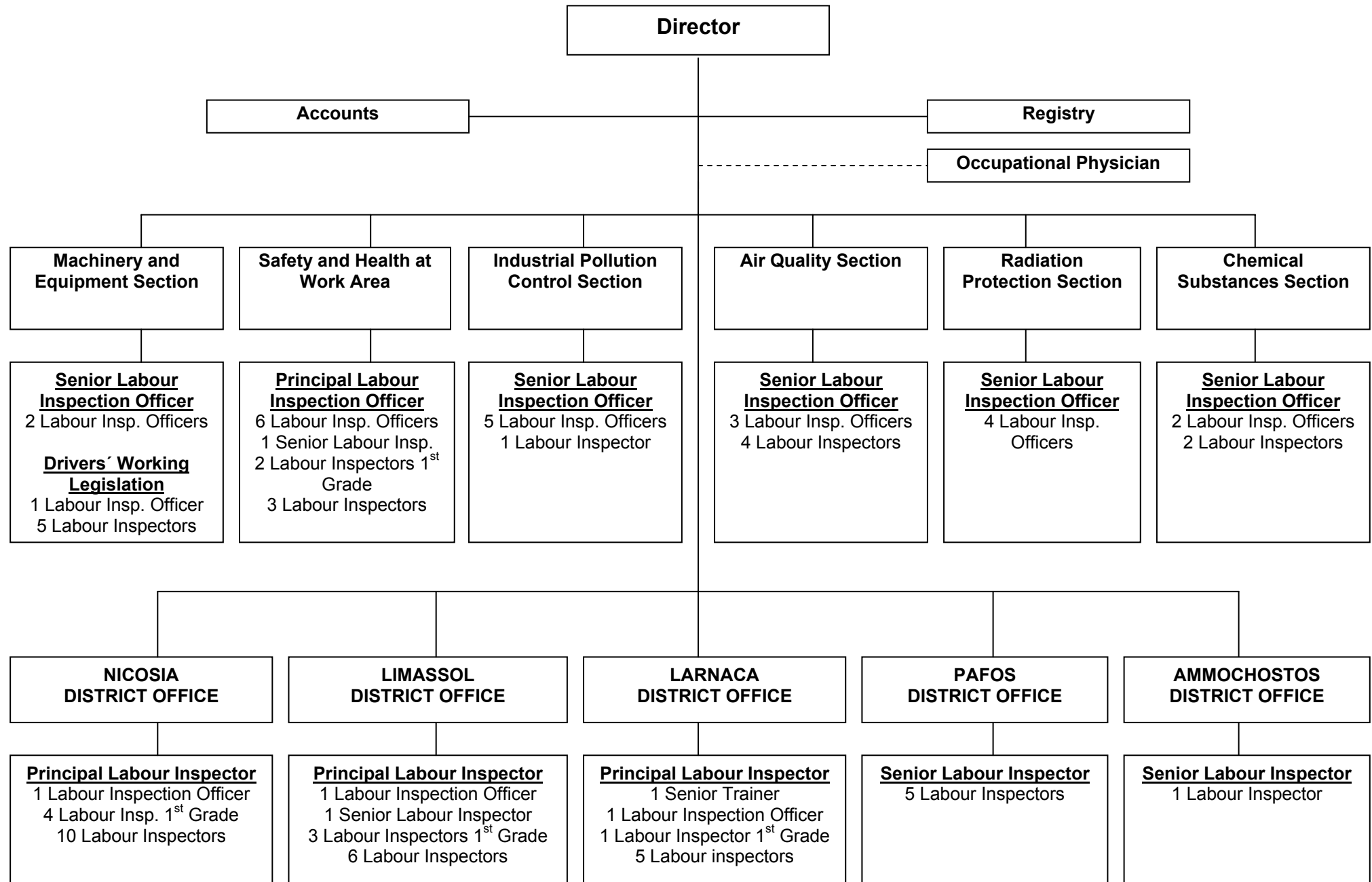
The Radiation Inspection and Control Service participated in various Committees of the European Union, where all EURATOM matters are discussed, as well as in activities of the ENATOM, ECURIE and EURDEP networks, concerning urgent response and information exchange in cases of radiological/nuclear emergencies. RICS also participated in the IAEA General Conference in Vienna, Austria, and in various meetings and other activities of the IAEA, as well as in meetings and activities of the Global Initiative for Combating Nuclear Terrorism, GICNT.

Furthermore, RICS, in cooperation with the IAEA, organised a conference on training and education in radiation protection and a training course on combating illicit trafficking of radioactive materials, where officers from various ministries and experts from various European countries participated.

During 2010, RICS officers gave presentations regarding radiation protection and the implementation of relevant legislation in seminars that were organised by various professional bodies (SEK, Cyprus Dental Association, Pancyprian Veterinary Association etc.).

Finally, the cooperation between RICS and the Greek Atomic Energy Agency, in the framework of the bilateral agreement signed in 2008, continued. Also, the cooperation with the Nuclear Physics Laboratory of the University of Cyprus and other relevant stakeholders, with respect to the performance of measurements of radon levels in dwellings and radiation levels in food and building materials, continued.

## APPENDIX I - Organizational Chart of the Department of Labour Inspection for 2010



## APPENDIX II - Inspections of Undertakings for the Year 2010

S/N	ECONOMIC ACTIVITY	DISTRICT																	
		NICOSIA			LIMASSOL			FAMAGUSTA			LARNACA			PAPHOS			TOTAL		
		No	%(1)	%(2)	No	%(1)	%(2)	No	%(1)	%(2)	No	%(1)	%(2)	No	%(1)	%(2)	No	%(3)	
1	SECTION A — AGRICULTURE, FORESTRY AND FISHING	26	1,0%	19,5%	12	0,8%	9,0%	11	3,7%	8,3%	82	7,7%	61,7%	2	0,4%	1,5%	133	2,2%	
2	SECTION B — MINING AND QUARRYING	11	0,4%	25,6%	8	0,5%	18,6%	0	0,0%	0,0%	16	1,5%	37,2%	8	1,5%	18,6%	43	0,7%	
3	SECTION C — MANUFACTURING	610	23,2%	43,0%	402	26,4%	28,3%	60	20,3%	4,2%	236	22,2%	16,6%	110	21,2%	7,8%	1418	23,5%	
4	SECTION D — ELECTRICITY, GAS, STEAM AND AIR CONDITIONING SUPPLY	2	0,1%	11,8%	7	0,5%	41,2%	0	0,0%	0,0%	6	0,6%	35,3%	2	0,4%	11,8%	17	0,3%	
5	SECTION E — WATER SUPPLY; SEWERAGE, WASTE MANAGEMENT AND REMEDIATION ACTIVITIES	16	0,6%	33,3%	20	1,3%	41,7%	0	0,0%	0,0%	7	0,7%	14,6%	5	1,0%	10,4%	48	0,8%	
6	SECTION F — CONSTRUCTION	895	34,0%	47,3%	488	32,0%	25,8%	29	9,8%	1,5%	263	24,8%	13,9%	218	42,1%	11,5%	1893	31,4%	
7	SECTION G — WHOLESALE AND RETAIL TRADE; REPAIR OF MOTOR VEHICLES AND MOTORCYCLES	273	10,4%	47,7%	132	8,7%	23,1%	16	5,4%	2,8%	116	10,9%	20,3%	35	6,8%	6,1%	572	9,5%	
8	SECTION H — TRANSPORTATION AND STORAGE	150	5,7%	33,8%	113	7,4%	25,5%	33	11,1%	7,4%	116	10,9%	26,1%	32	6,2%	7,2%	444	7,4%	
9	SECTION I — ACCOMMODATION AND FOOD SERVICE ACTIVITIES	183	7,0%	31,4%	154	10,1%	26,4%	103	34,8%	17,7%	93	8,8%	16,0%	50	9,7%	8,6%	583	9,7%	
10	SECTION J — INFORMATION AND COMMUNICATION	19	0,7%	82,6%	2	0,1%	8,7%	0	0,0%	0,0%	1	0,1%	4,3%	1	0,2%	4,3%	23	0,4%	
11	SECTION K — FINANCIAL AND INSURANCE ACTIVITIES	11	0,4%	57,9%	3	0,2%	15,8%	2	0,7%	10,5%	3	0,3%	15,8%	0	0,0%	0,0%	19	0,3%	
12	SECTION L — REAL ESTATE ACTIVITIES	3	0,1%	100,0%	0	0,0%	0,0%	0	0,0%	0,0%	0	0,0%	0,0%	0	0,0%	0,0%	3	0,0%	
13	SECTION M — PROFESSIONAL, SCIENTIFIC AND TECHNICAL ACTIVITIES	16	0,6%	50,0%	3	0,2%	9,4%	1	0,3%	3,1%	9	0,8%	28,1%	3	0,6%	9,4%	32	0,5%	
14	SECTION N — ADMINISTRATIVE AND SUPPORT SERVICE ACTIVITIES	13	0,5%	72,2%	4	0,3%	22,2%	0	0,0%	0,0%	1	0,1%	5,6%	0	0,0%	0,0%	18	0,3%	
15	SECTION O — PUBLIC ADMINISTRATION AND DEFENCE; COMPULSORY SOCIAL SECURITY	50	1,9%	51,0%	23	1,5%	23,5%	11	3,7%	11,2%	10	0,9%	10,2%	4	0,8%	4,1%	98	1,6%	
16	SECTION P — EDUCATION	23	0,9%	39,0%	16	1,0%	27,1%	2	0,7%	3,4%	11	1,0%	18,6%	7	1,4%	11,9%	59	1,0%	
17	SECTION Q — HUMAN HEALTH AND SOCIAL WORK ACTIVITIES	96	3,7%	49,0%	52	3,4%	26,5%	6	2,0%	3,1%	29	2,7%	14,8%	13	2,5%	6,6%	196	3,3%	
18	SECTION R — ARTS, ENTERTAINMENT AND RECREATION	47	1,8%	37,3%	35	2,3%	27,8%	8	2,7%	6,3%	21	2,0%	16,7%	15	2,9%	11,9%	126	2,1%	
19	SECTION S — OTHER SERVICE ACTIVITIES	115	4,4%	50,7%	47	3,1%	20,7%	12	4,1%	5,3%	40	3,8%	17,6%	13	2,5%	5,7%	227	3,8%	
20	SECTION T — ACTIVITIES OF HOUSEHOLDS AS EMPLOYERS; UNDIFFERENTIATED GOODS- AND SERVICES-PRODUCING ACTIVITIES OF HOUSEHOLDS FOR OWN USE	70	2,7%	89,7%	4	0,3%	5,1%	2	0,7%	2,6%	2	0,2%	2,6%	0	0,0%	0,0%	78	1,3%	
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	0,0%	0%	0	0,0%	
TOTAL NO. OF INSPECTIONS:		2629	43,6%		1525	25,3%		296	4,9%		1062	17,6%		518	8,6%		6030		
			(%4)			(%4)			(%4)			(%4)			(%4)				

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

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

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

%4: Percentage contribution of District Inspections on the total number of Inspections Cyprus wide.

## APPENDIX III - Registered Undertakings as on 31.12.2010

S/N	ECONOMIC ACTIVITY SECTOR	DISTRICT																
		NICOSIA			LIMASSOL			FAMAGUSTA			LARNACA			PAPHOS			TOTAL	
		No.	%(1)	%(2)	No.	%(1)	%(2)	No.	%(1)	%(2)	No.	%(1)	%(2)	No.	%(1)	%(2)	No.	%(3)
1	SECTION A — AGRICULTURE, FORESTRY AND FISHING	651	5,94%	33,98%	443	6,30%	23,12%	183	8,79%	9,55%	493	10,58%	25,73%	146	5,75%	7,62%	1916	7,02%
2	SECTION B — MINING AND QUARRYING	20	0,18%	22,22%	27	0,38%	30,00%	5	0,24%	5,56%	22	0,47%	24,44%	16	0,63%	17,78%	90	0,33%
3	SECTION C — MANUFACTURING	3185	29,06%	46,09%	1630	23,18%	23,59%	488	23,44%	7,06%	1159	24,87%	16,77%	449	17,68%	6,50%	6911	25,34%
4	SECTION D — ELECTRICITY, GAS, STEAM AND AIR CONDITIONING SUPPLY	6	0,05%	16,67%	6	0,09%	16,67%	1	0,05%	2,78%	9	0,19%	25,00%	14	0,55%	38,89%	36	0,13%
5	SECTION E — WATER SUPPLY; SEWERAGE, WASTE MANAGEMENT AND REMEDIATION ACTIVITIES	49	0,45%	29,52%	42	0,60%	25,30%	10	0,48%	6,02%	45	0,97%	27,11%	20	0,79%	12,05%	166	0,61%
6	SECTION F — CONSTRUCTION	2758	25,16%	38,47%	2123	30,19%	29,61%	379	18,20%	5,29%	1072	23,00%	14,95%	837	32,95%	11,68%	7169	26,28%
7	SECTION G — WHOLESALE AND RETAIL TRADE; REPAIR OF MOTOR VEHICLES AND MOTORCYCLES	1973	18,00%	39,66%	1204	17,12%	24,20%	411	19,74%	8,26%	930	19,95%	18,69%	457	17,99%	9,19%	4975	18,24%
8	SECTION H — TRANSPORTATION AND STORAGE	322	2,94%	31,79%	332	4,72%	32,77%	55	2,64%	5,43%	213	4,57%	21,03%	91	3,58%	8,98%	1013	3,71%
9	SECTION I — ACCOMMODATION AND FOOD SERVICE ACTIVITIES	417	3,80%	25,24%	427	6,07%	25,85%	356	17,10%	21,55%	244	5,23%	14,77%	208	8,19%	12,59%	1652	6,06%
10	SECTION J — INFORMATION AND COMMUNICATION	70	0,64%	57,38%	30	0,43%	24,59%	4	0,19%	3,28%	10	0,21%	8,20%	8	0,31%	6,56%	122	0,45%
11	SECTION K — FINANCIAL AND INSURANCE ACTIVITIES	110	1,00%	40,29%	85	1,21%	31,14%	12	0,58%	4,40%	29	0,62%	10,62%	37	1,46%	13,55%	273	1,00%
12	SECTION L — REAL ESTATE ACTIVITIES	19	0,17%	41,30%	11	0,16%	23,91%	3	0,14%	6,52%	8	0,17%	17,39%	5	0,20%	10,87%	46	0,17%
13	SECTION M — PROFESSIONAL, SCIENTIFIC AND TECHNICAL ACTIVITIES	171	1,56%	51,82%	76	1,08%	23,03%	8	0,38%	2,42%	43	0,92%	13,03%	32	1,26%	9,70%	330	1,21%
14	SECTION N — ADMINISTRATIVE AND SUPPORT SERVICE ACTIVITIES	99	0,90%	37,08%	68	0,97%	25,47%	14	0,67%	5,24%	59	1,27%	22,10%	27	1,06%	10,11%	267	0,98%
15	SECTION O — PUBLIC ADMINISTRATION AND DEFENCE; COMPULSORY SOCIAL SECURITY	218	1,99%	46,98%	104	1,48%	22,41%	22	1,06%	4,74%	70	1,50%	15,09%	50	1,97%	10,78%	464	1,70%
16	SECTION P — EDUCATION	165	1,51%	47,01%	99	1,41%	28,21%	18	0,86%	5,13%	42	0,90%	11,97%	27	1,06%	7,69%	351	1,29%
17	SECTION Q — HUMAN HEALTH AND SOCIAL WORK ACTIVITIES	177	1,61%	45,50%	95	1,35%	24,42%	27	1,30%	6,94%	58	1,24%	14,91%	32	1,26%	8,23%	389	1,43%
18	SECTION R — ARTS, ENTERTAINMENT AND RECREATION	131	1,20%	39,58%	62	0,88%	18,73%	35	1,68%	10,57%	72	1,54%	21,75%	31	1,22%	9,37%	331	1,21%
19	SECTION S — OTHER SERVICE ACTIVITIES	321	2,93%	50,95%	149	2,12%	23,65%	45	2,16%	7,14%	70	1,50%	11,11%	45	1,77%	7,14%	630	2,31%
20	SECTION T — ACTIVITIES OF HOUSEHOLDS AS EMPLOYERS; UNDIFFERENTIATED GOODS- AND SERVICES-PRODUCING ACTIVITIES OF HOUSEHOLDS FOR OWN USE	95	0,87%	68,84%	16	0,23%	11,59%	6	0,29%	4,35%	13	0,28%	9,42%	8	0,31%	5,80%	138	0,51%
21	SECTION U — ACTIVITIES OF EXTRATERRITORIAL ORGANISATIONS AND BODIES	4	0,04%	57,14%	3	0,04%	42,86%	0	0,00%	0,00%	0	0,00%	0,00%	0	0,00%	0,00%	7	0,03%
<b>Total No of Undertakings:</b>		<b>10961</b>	<b>40,19%</b>		<b>7032</b>	<b>25,78%</b>		<b>2082</b>	<b>7,63%</b>		<b>4661</b>	<b>17,09%</b>		<b>2540</b>	<b>9,31%</b>		<b>27276</b>	
		%(4)			%4			%4			%(4)			%(4)				

**Table notes:**

1. Percentage contribution of District Undertakings for the specific Economic Activity, on the total number of District Undertakings.
2. Percentage contribution of District Undertakings for the specific Economic Activity, on the Cyprus wide total number of Undertakings of the same Economic Activity.
3. Percentage contribution of Cyprus wide Undertakings for the specific Economic Activity, on the total number of Undertakings.
4. Percentage contribution of District Undertakings on the total number of Undertakings Cyprus wide.

## APPENDIX IV - New Registered Undertakings for the Period 01/01/2010 to 31/12/2010

S/N	ECONOMIC ACTIVITY SECTOR	DISTRICT																
		NICOSIA			LIMASSOL			FAMAGUSTA			LARNACA			PAPHOS			TOTAL	
		No.	%(1)	%(2)	No.	%(1)	%(2)	No.	%(1)	%(2)	No.	%(1)	%(2)	No.	%(1)	%(2)	No.	%(3)
1	SECTION A — AGRICULTURE, FORESTRY AND FISHING	4	0,34%	9,09%	7	0,95%	15,91%	6	3,82%	13,64%	25	5,40%	56,82%	2	0,86%	4,55%	44	1,58%
2	SECTION B — MINING AND QUARRYING	0	0,00%	0,00%	2	0,27%	33,33%	0	0,00%	0,00%	1	0,22%	16,67%	3	1,29%	50,00%	6	0,22%
3	SECTION C — MANUFACTURING	114	9,58%	38,78%	83	11,25%	28,23%	25	15,92%	8,50%	46	9,94%	15,65%	26	11,21%	8,84%	294	10,58%
4	SECTION D — ELECTRICITY, GAS, STEAM AND AIR CONDITIONING SUPPLY	1	0,08%	50,00%	1	0,14%	50,00%	0	0,00%	0,00%	0	0,00%	0,00%	0	0,00%	0,00%	2	0,07%
5	SECTION E — WATER SUPPLY; SEWERAGE, WASTE MANAGEMENT AND REMEDIATION ACTIVITIES	4	0,34%	22,22%	8	1,08%	44,44%	0	0,00%	0,00%	3	0,65%	16,67%	3	1,29%	16,67%	18	0,65%
6	SECTION F — CONSTRUCTION	555	46,64%	45,98%	320	43,36%	26,51%	33	21,02%	2,73%	185	39,96%	15,33%	114	49,14%	9,44%	1207	43,42%
7	SECTION G — WHOLESALE AND RETAIL TRADE; REPAIR OF MOTOR VEHICLES AND MOTORCYCLES	138	11,60%	40,12%	98	13,28%	28,49%	13	8,28%	3,78%	65	14,04%	18,90%	30	12,93%	8,72%	344	12,37%
8	SECTION H — TRANSPORTATION AND STORAGE	56	4,71%	35,22%	44	5,96%	27,67%	9	5,73%	5,66%	41	8,86%	25,79%	9	3,88%	5,66%	159	5,72%
9	SECTION I — ACCOMMODATION AND FOOD SERVICE ACTIVITIES	75	6,30%	25,00%	103	13,96%	34,33%	55	35,03%	18,33%	46	9,94%	15,33%	21	9,05%	7,00%	300	10,79%
10	SECTION J — INFORMATION AND COMMUNICATION	9	0,76%	60,00%	3	0,41%	20,00%	0	0,00%	0,00%	1	0,22%	6,67%	2	0,86%	13,33%	15	0,54%
11	SECTION K — FINANCIAL AND INSURANCE ACTIVITIES	22	1,85%	68,75%	6	0,81%	18,75%	0	0,00%	0,00%	4	0,86%	12,50%	0	0,00%	0,00%	32	1,15%
12	SECTION L — REAL ESTATE ACTIVITIES	3	0,25%	100,00%	0	0,00%	0,00%	0	0,00%	0,00%	0	0,00%	0,00%	0	0,00%	0,00%	3	0,11%
13	SECTION M — PROFESSIONAL, SCIENTIFIC AND TECHNICAL ACTIVITIES	11	0,92%	40,74%	5	0,68%	18,52%	2	1,27%	7,41%	9	1,94%	33,33%	0	0,00%	0,00%	27	0,97%
14	SECTION N — ADMINISTRATIVE AND SUPPORT SERVICE ACTIVITIES	9	0,76%	52,94%	3	0,41%	17,65%	1	0,64%	5,88%	3	0,65%	17,65%	1	0,43%	5,88%	17	0,61%
15	SECTION O — PUBLIC ADMINISTRATION AND DEFENCE; COMPULSORY SOCIAL SECURITY	18	1,51%	54,55%	6	0,81%	18,18%	3	1,91%	9,09%	4	0,86%	12,12%	2	0,86%	6,06%	33	1,19%
16	SECTION P — EDUCATION	22	1,85%	52,38%	7	0,95%	16,67%	2	1,27%	4,76%	5	1,08%	11,90%	6	2,59%	14,29%	42	1,51%
17	SECTION Q — HUMAN HEALTH AND SOCIAL WORK ACTIVITIES	40	3,36%	63,49%	13	1,76%	20,63%	0	0,00%	0,00%	8	1,73%	12,70%	2	0,86%	3,17%	63	2,27%
18	SECTION R — ARTS, ENTERTAINMENT AND RECREATION	16	1,34%	33,33%	11	1,49%	22,92%	4	2,55%	8,33%	11	2,38%	22,92%	6	2,59%	12,50%	48	1,73%
19	SECTION S — OTHER SERVICE ACTIVITIES	22	1,85%	56,41%	11	1,49%	28,21%	1	0,64%	2,56%	4	0,86%	10,26%	1	0,43%	2,56%	39	1,40%
20	SECTION T — ACTIVITIES OF HOUSEHOLDS AS EMPLOYERS; UNDIFFERENTIATED GOODS- AND SERVICES-PRODUCING ACTIVITIES OF HOUSEHOLDS FOR OWN USE	71	5,97%	82,56%	6	0,81%	6,98%	3	1,91%	3,49%	2	0,43%	2,33%	4	1,72%	4,65%	86	3,09%
21	SECTION U — ACTIVITIES OF EXTRATERRITORIAL ORGANISATIONS AND BODIES	0	0,00%	0,00%	1	0,14%	100,00%	0	0,00%	0,00%	0	0,00%	0,00%	0	0,00%	0,00%	1	0,04%
<b>Total No of Undertakings:</b>		<b>1190</b>	<b>42,81%</b>		<b>738</b>	<b>26,55%</b>		<b>157</b>	<b>5,65%</b>		<b>463</b>	<b>16,65%</b>		<b>232</b>	<b>8,35%</b>		<b>2780</b>	
			%(4)			%(4)			%(4)			%(4)			%(4)			

### Table notes:

1. Percentage contribution of District Undertakings for the specific Economic Activity, on the total number of District Undertakings.
2. Percentage contribution of District Undertakings for the specific Economic Activity, on the Cyprus wide total number of Undertakings of the same Economic Activity.
3. Percentage contribution of Cyprus wide Undertakings for the specific Economic Activity, on the total number of Undertakings.
4. Percentage contribution of District Undertakings on the total number of Undertakings Cyprus wide.

## APPENDIX V - Contraventions and Related Laws / Regulations

Table 1

Number of contraventions and fines imposed  
on 46 legal proceedings completed in 2010

No	Laws/Regulations	Number of Contraventions <sup>(1)</sup>				Total amount of fines charged in Cyprus Pounds (£) and Euros (€)			
		2007	2008	2009	2010	2007	2008	2009	2010
1.	The Safety and Health at Work Law of 1996 - 2003	97	84	47	51	£66.580 (€113.758,68)	€86.370	€59.600	€40.400
2.	The Buildings and Works of Engineering Construction (Safety, Health and Welfare) Regulations of 1973	1	0	0	0	£1.200 (€2.050,32)	0	0	0
3.	The Factories Law of 1957, Cap. 134	2	0	0	1	£150 (€256,29)	0	0	0
4.	The Maternity Protection Law of 1997 - 2002	3	2	1	2	£1.250 (€2.135,75)	€1.250	€600	€400
5.	The Accidents and Occupational Diseases (Notification) Law of 1953, Cap. 176	8	6	-	-	£1.570 (€2.682,50)	€2.000	-	-
6.	The Safety and Health at Work (Accidents and Dangerous Occurrences Notification) Regulations of 2007	-	-	4	8	-	-	-	€1.850
7.	The Private Employment Agencies Law of 1997 and 2002	1	0	0	0	£120 (€205,03)	0	0	0
8.	The Management of Safety and Health Issues at Work Regulations of 2002	8	16	29	21	£1.280 (€2.187)	€6.740	€17.450	€10.100
9.	The Safety and Health (Minimum Requirements for Temporary or Mobile Construction Sites) Regulations of 2002	136	124	46	111	£53.210 (€90.914,68)	€96.102	€60.150	€57.800
10.	The Minimum Requirements for Safety and Health (Use of Personal Protective Equipment at Work) Regulations of 2001	6	0	0	2	£1.120 (€1.913,63)	0	0	0
11.	The Minimum Requirements for Safety and Health (Use of Work Equipment at Work) Regulations of 2001	12	14	16	16	£12.100 (€20.674,07)	€14.100	€26.250	€29.650
12.	The Minimum Requirements for Safety and Health at the Workplace Regulations of 2002 and 2004	6	4	9	0	£1.450 (€2.477,47)	€730	€3.200	0
13.	The Electricity in Factories Special Regulations of 1981 - 1983	1	0	0	0	£150 (€256,29)	0	0	0
14.	The Employer's Liability (Compulsory Insurance) Law of 1989	3	7	4	1	£520 (€888,47)	€2.070	€3.200	€600
15.	The Safety and Health at Work (Manual Handling of Loads) Regulations of 2001	5	0	2	0	£580 (€990,99)	0	€750	0
16.	The Safety and Health at Work (Chemical Agents) Regulations of 2001	0	0	2	0	0	0	€1.700	0

<sup>(1)</sup> Note: One legal proceeding may include more than one contravention.

No	Laws/Regulations	Number of Contraventions <sup>(1)</sup>				Total amount of fines charged in Cyprus Pounds (£) and Euros (€)			
		2007	2008	2009	2010	2007	2008	2009	2010
17.	The Safety Committees at Work Regulations of 1997	0	0	2	1	0	0	€400	€500
18.	The Minimum Requirements for Safety and Health Signs at Work Regulations of 2000	0	0	0	1	0	0	0	€450
	<b>Total</b>	<b>289</b>	<b>257</b>	<b>162</b>	<b>215</b>	<b>£141.280</b> <b>(€241.391,21)</b>	<b>€209.362</b>	<b>€175.150</b>	<b>€141.700</b>

**Table 2**

**Laws / Regulations on Safety and Health issues, upon which 44 new legal cases were compiled and sent to the Legal Service in 2010**

No	Laws / Regulations	No of Contraventions <sup>(2)</sup>
1.	The Safety and Health at Work Law of 1996 - 2003	60
2.	The Safety and Health at Work (Accidents and Dangerous Occurrences Notification) Regulations of 2007	3
3.	The minimum Requirements for Safety and Health at the Workplace Regulations of 2002 and 2004	5
4.	The Safety and Health (Minimum Requirements for Temporary or Mobile Construction Sites) Regulations of 2002	101
5.	The Minimum Requirements for Safety and Health (Use of Work Equipment at Work) Regulations of 2001	21
6.	The Management of Safety and Health Issues at Work Regulations of 2002	18
7.	The Minimum Requirements for Safety and Health (Use of Personal Protective Equipment at Work) Regulations of 2001	4
8.	The Safety Committees at Work Regulations of 1997	1
9.	The Employer's Liability (Compulsory Insurance) Law of 1989-2003	1
10.	The Buildings and Works of Engineering Construction (Safety, Health and Welfare) Regulations of 1973	1
11.	The Minimum Requirements for Safety and Health Signs at Work Regulations of 2000	1
12.	The Safety and Health at Work (Protection from Asbestos) Regulations of 2006	7
13.	The Factories Law of 1957, Cap. 134	2

<sup>(2)</sup> Identifies the number of times that the specific Law or Regulation was violated.

**APPENDIX VI - Analysis of Work Accidents by Economic Activity Section, Gender, Age, Degree of Injury & Causation - Year 2010**

(Employed persons only, during their work)

**TABLE**

S/N	ECONOMIC ACTIVITY (NACE 2)	NO. OF ACCIDENTS	%	GENDER		AGE		INJURY DEGREE		CAUSATION				
				Male	Female	Under 18	18 and Above	Fatal	Non Fatal	Buildings / Structures	Machinery / Equipment	Transportation Means	Materials / Substances	Other Causes
<b>1</b>	<b>SECTION A — AGRICULTURE, FORESTRY AND FISHING</b>	<b>48</b>	<b>2,20%</b>											
2	Crop and animal production, hunting and related service activities	34	1,56%	31	3	0	34	3	31	8	10	5	6	5
3	Forestry and logging	9	0,41%	5	4	0	9	0	9	5	3	0	0	1
4	Fishing and aquaculture	5	0,23%	4	1	0	5	0	5	3	0	0	1	1
<b>5</b>	<b>SECTION B — MINING AND QUARRYING</b>	<b>20</b>	<b>0,92%</b>											
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	3	0,14%	3	0	0	3	0	3	0	2	0	1	0
9	Other mining and quarrying	16	0,73%	16	0	0	16	0	16	4	6	1	5	0
10	Mining support service activities	1	0,05%	1	0	0	1	0	1	0	0	0	1	0
<b>11</b>	<b>SECTION C — MANUFACTURING</b>	<b>488</b>	<b>22,34%</b>											
12	Manufacture of food products	133	6,09%	79	54	0	133	0	133	48	40	19	16	10
13	Manufacture of beverages	22	1,01%	15	7	0	22	0	22	5	8	4	4	1
14	Manufacture of tobacco products	0	0,00%	0	0	0	0	0	0	0	0	0	0	0
15	Manufacture of textiles	2	0,09%	2	0	0	2	0	2	1	0	0	1	0
16	Manufacture of wearing apparel	3	0,14%	2	1	0	3	0	3	0	1	1	0	1
17	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	34	1,56%	34	0	0	34	0	34	9	12	2	10	1
19	Manufacture of paper and paper products	8	0,37%	6	2	0	8	0	8	1	1	4	2	0
20	Printing and reproduction of recorded media	10	0,46%	8	2	0	10	0	10	3	5	0	2	0
21	Manufacture of coke and refined petroleum products	0	0,00%	0	0	0	0	0	0	0	0	0	0	0
22	Manufacture of chemicals and chemical products	7	0,32%	6	1	0	7	0	7	4	1	1	1	0



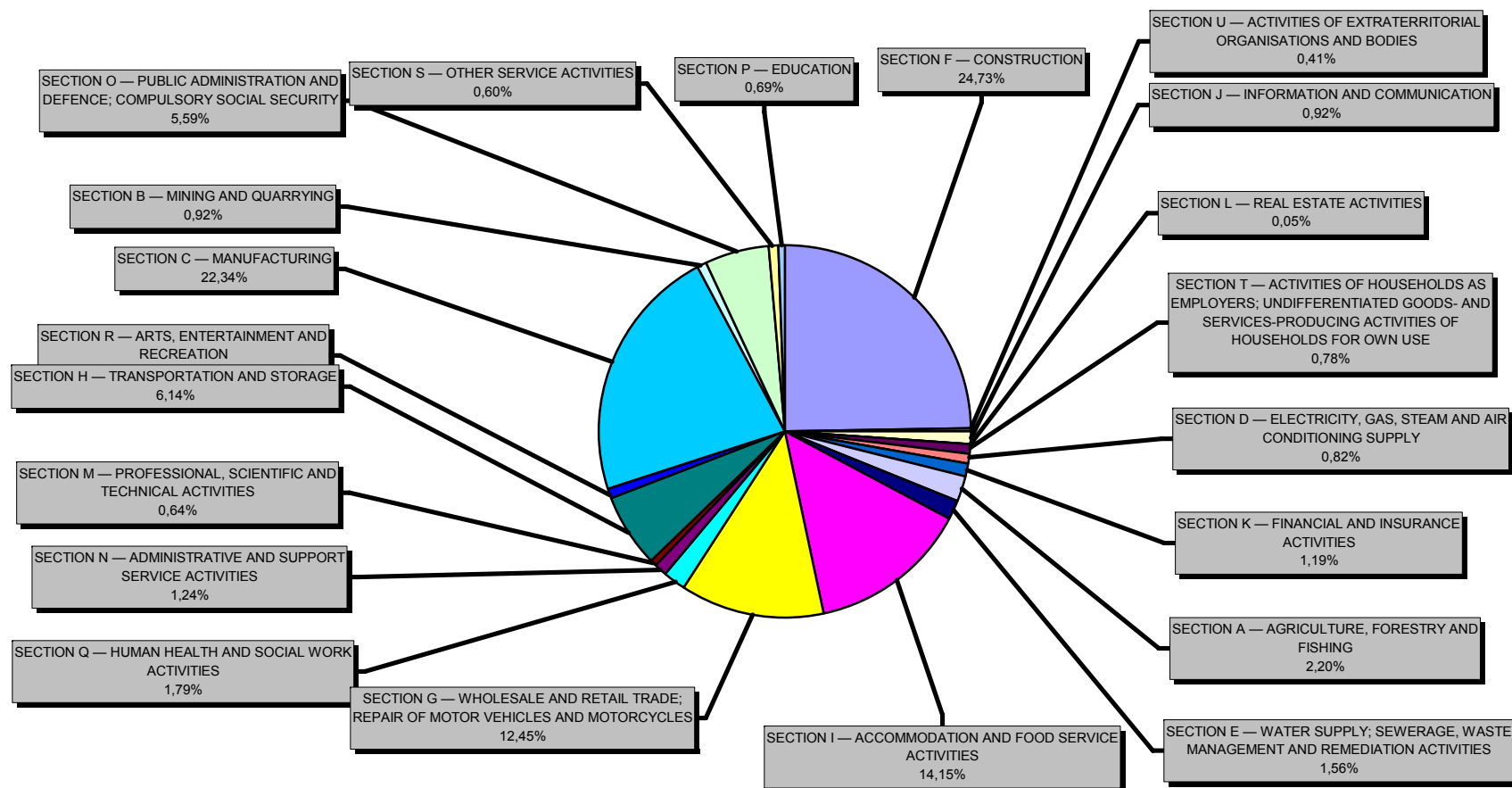
23	Manufacture of basic pharmaceutical products and pharmaceutical preparations	12	0,55%	4	8	0	12	0	12	4	5	1	2	0
24	Manufacture of rubber and plastic products	30	1,37%	29	1	0	30	0	30	1	18	0	8	3
25	Manufacture of other non-metallic mineral products	85	3,89%	83	2	0	85	1	84	13	21	6	42	3
26	Manufacture of basic metals	6	0,27%	6	0	0	6	0	6	2	2	0	2	0
27	Manufacture of fabricated metal products, except machinery and equipment	67	3,07%	65	2	0	67	1	66	18	18	2	25	4
28	Manufacture of computer, electronic and optical products	3	0,14%	3	0	0	3	0	3	1	0	1	0	1
29	Manufacture of electrical equipment	13	0,60%	12	1	0	13	0	13	3	4	0	6	0
30	Manufacture of machinery and equipment n.e.c.	12	0,55%	10	2	0	12	0	12	5	2	1	3	1
31	Manufacture of motor vehicles, trailers and semi-trailers	2	0,09%	2	0	0	2	0	2	0	0	0	2	0
32	Manufacture of other transport equipment	1	0,05%	1	0	0	1	0	1	0	0	1	0	0
33	Manufacture of furniture	24	1,10%	22	2	0	24	0	24	6	10	1	7	0
34	Other manufacturing	9	0,41%	8	1	0	9	0	9	2	2	1	4	0
35	Repair and installation of machinery and equipment	5	0,23%	4	1	0	5	0	5	2	1	1	1	0
36	SECTION D — ELECTRICITY, GAS, STEAM AND AIR CONDITIONING SUPPLY	<b>18</b>	<b>0,82%</b>											
37	Electricity, gas, steam and air conditioning supply	18	0,82%	17	1	0	18	0	18	8	4	2	3	1
38	SECTION E — WATER SUPPLY; SEWERAGE, WASTE MANAGEMENT AND REMEDIATION ACTIVITIES	<b>34</b>	<b>1,56%</b>											
39	Water collection, treatment and supply	6	0,27%	6	0	0	6	0	6	1	1	0	3	1
40	Sewerage	17	0,78%	17	0	0	17	0	17	3	4	2	6	2
41	Waste collection, treatment and disposal activities; materials recovery	9	0,41%	9	0	0	9	1	8	3	2	1	1	2
42	Remediation activities and other waste management services	2	0,09%	2	0	0	2	0	2	0	0	1	1	0
43	SECTION F — CONSTRUCTION	<b>540</b>	<b>24,73%</b>											
44	Construction of buildings	317	14,51%	311	6	3	314	4	313	180	38	10	75	14
45	Civil engineering	47	2,15%	47	0	0	47	1	46	18	12	5	9	3
46	Specialised construction activities	176	8,06%	173	3	0	176	3	173	86	28	11	43	8
47	SECTION G — WHOLESALE AND RETAIL TRADE; REPAIR OF MOTOR VEHICLES AND MOTORCYCLES	<b>272</b>	<b>12,45%</b>											
48	Wholesale and retail trade and repair of motor vehicles and motorcycles	61	2,79%	59	2	0	61	0	61	15	17	11	18	0
49	Wholesale trade, except of motor vehicles and motorcycles	71	3,25%	60	11	0	71	1	70	25	7	20	18	1
50	Retail trade, except of motor vehicles and motorcycles	140	6,41%	72	68	1	139	1	139	34	61	9	27	9



<b>51</b>	<b>SECTION H — TRANSPORTATION AND STORAGE</b>	<b>134</b>	<b>6,14%</b>											
52	Land transport and transport via pipelines	30	1,37%	27	3	0	30	1	29	8	2	14	4	2
<b>53</b>	<b>Water transport</b>	<b>1</b>	<b>0,05%</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
54	Air transport	2	0,09%	2	0	0	2	0	2	1	1	0	0	0
<b>55</b>	<b>Warehousing and support activities for transportation</b>	<b>98</b>	<b>4,49%</b>	<b>77</b>	<b>21</b>	<b>0</b>	<b>98</b>	<b>0</b>	<b>98</b>	<b>20</b>	<b>29</b>	<b>19</b>	<b>27</b>	<b>3</b>
56	Postal and courier activities	3	0,14%	2	1	0	3	0	3	1	0	2	0	0
<b>57</b>	<b>SECTION I — ACCOMMODATION AND FOOD SERVICE ACTIVITIES</b>	<b>309</b>	<b>14,15%</b>											
58	Accommodation	201	9,20%	79	122	2	199	0	201	99	53	0	39	10
<b>59</b>	<b>Food and beverage service activities</b>	<b>108</b>	<b>4,95%</b>	<b>57</b>	<b>51</b>	<b>0</b>	<b>108</b>	<b>1</b>	<b>107</b>	<b>27</b>	<b>20</b>	<b>34</b>	<b>25</b>	<b>2</b>
60	<b>SECTION J — INFORMATION AND COMMUNICATION</b>	<b>20</b>	<b>0,92%</b>											
<b>61</b>	<b>Publishing activities</b>	<b>0</b>	<b>0,00%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
62	Motion picture, video and television programme production, sound recording and music publishing activities	1	0,05%	1	0	0	1	0	1	0	0	1	0	0
<b>63</b>	<b>Programming and broadcasting activities</b>	<b>6</b>	<b>0,27%</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>6</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>
64	Telecommunications	12	0,55%	8	4	0	12	0	12	4	2	2	2	2
<b>65</b>	<b>Computer programming, consultancy and related activities</b>	<b>1</b>	<b>0,05%</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>
66	Information service activities	0	0,00%	0	0	0	0	0	0	0	0	0	0	0
<b>67</b>	<b>SECTION K — FINANCIAL AND INSURANCE ACTIVITIES</b>	<b>26</b>	<b>1,19%</b>											
68	Financial service activities, except insurance and pension funding	22	1,01%	8	14	0	22	0	22	12	4	1	4	1
<b>69</b>	<b>Insurance, reinsurance and pension funding, except compulsory social security</b>	<b>3</b>	<b>0,14%</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>0</b>
70	Activities auxiliary to financial services and insurance activities	1	0,05%	1	0	0	1	0	1	0	1	0	0	0
<b>71</b>	<b>SECTION L — REAL ESTATE ACTIVITIES</b>	<b>1</b>	<b>0,05%</b>											
72	Real estate activities	1	0,05%	1	0	0	1	0	1	0	0	0	0	1
<b>73</b>	<b>SECTION M — PROFESSIONAL, SCIENTIFIC AND TECHNICAL ACTIVITIES</b>	<b>14</b>	<b>0,64%</b>											
74	Legal and accounting activities	1	0,05%	0	1	0	1	0	1	0	0	1	0	0
<b>75</b>	<b>Activities of head offices; management consultancy activities</b>	<b>2</b>	<b>0,09%</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>
76	Architectural and engineering activities; technical testing and analysis	4	0,18%	4	0	0	4	0	4	1	2	1	0	0
<b>77</b>	<b>Scientific research and development</b>	<b>1</b>	<b>0,05%</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>
78	Advertising and market research	1	0,05%	0	1	0	1	0	1	0	0	1	0	0
<b>79</b>	<b>Other professional, scientific and technical activities</b>	<b>4</b>	<b>0,18%</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>
80	Veterinary activities	1	0,05%	0	1	0	1	0	1	0	0	0	0	1
<b>81</b>	<b>SECTION N — ADMINISTRATIVE AND SUPPORT SERVICE ACTIVITIES</b>	<b>27</b>	<b>1,24%</b>											
82	Rental and leasing activities	2	0,09%	2	0	0	2	0	2	0	1	1	0	0
<b>83</b>	<b>Employment activities</b>	<b>0</b>	<b>0,00%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
84	Travel agency, tour operator reservation service and related activities	3	0,14%	3	0	0	3	0	3	1	0	2	0	0
<b>85</b>	<b>Security and investigation activities</b>	<b>5</b>	<b>0,23%</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>1</b>
86	Services to buildings and landscape activities	8	0,37%	1	7	0	8	0	8	2	3	1	2	0
<b>87</b>	<b>Office administrative, office support and other business support activities</b>	<b>9</b>	<b>0,41%</b>	<b>8</b>	<b>1</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>9</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>1</b>
88	<b>SECTION O — PUBLIC ADMINISTRATION AND DEFENCE; COMPULSORY SOCIAL SECURITY</b>	<b>122</b>	<b>5,59%</b>											
<b>89</b>	<b>Public administration and defence; compulsory social security</b>	<b>122</b>	<b>5,59%</b>	<b>99</b>	<b>23</b>	<b>0</b>	<b>122</b>	<b>1</b>	<b>121</b>	<b>44</b>	<b>17</b>	<b>29</b>	<b>24</b>	<b>8</b>

90	SECTION P — EDUCATION	<b>15</b>	<b>0,69%</b>											
91	Education	15	0,69%	3	12	0	15	0	15	10	1	0	3	1
92	SECTION Q — HUMAN HEALTH AND SOCIAL WORK ACTIVITIES	<b>39</b>	<b>1,79%</b>											
93	Human health activities	22	1,01%	4	18	0	22	0	22	8	2	5	5	2
94	Residential care activities	6	0,27%	1	5	0	6	0	6	1	0	3	0	2
95	Social work activities without accommodation	11	0,50%	0	11	0	11	0	11	6	2	0	0	3
96	SECTION R — ARTS, ENTERTAINMENT AND RECREATION	<b>18</b>	<b>0,82%</b>											
97	Creative, arts and entertainment activities	0	0,00%	0	0	0	0	0	0	0	0	0	0	0
98	Libraries, archives, museums and other cultural activities	4	0,18%	3	1	0	4	0	4	2	0	0	2	0
99	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	14	0,64%	8	6	0	14	0	14	6	0	2	1	5
101	SECTION S — OTHER SERVICE ACTIVITIES	<b>13</b>	<b>0,60%</b>											
102	Activities of membership organisations	1	0,05%	0	1	0	1	0	1	1	0	0	0	0
103	Repair of computers and personal and household goods	4	0,18%	4	0	0	4	0	4	2	0	1	1	0
104	Other personal service activities	8	0,37%	3	5	1	7	0	8	4	1	2	1	0
105	SECTION T — ACTIVITIES OF HOUSEHOLDS AS EMPLOYERS; UNDIFFERENTIATED GOODS- AND SERVICES-PRODUCING ACTIVITIES OF HOUSEHOLDS FOR OWN USE	<b>17</b>	<b>0,78%</b>											
106	Activities of households as employers of domestic personnel	17	0,78%	1	16	0	17	0	17	11	0	0	4	2
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	SECTION U — ACTIVITIES OF EXTRATERRITORIAL ORGANISATIONS AND BODIES	<b>9</b>	<b>0,41%</b>											
109	Activities of extraterritorial organisations and bodies	9	0,41%	5	4	0	9	0	9	6	0	1	2	0
<b>TOTAL:</b>		<b>2184</b>		<b>1661</b>	<b>523</b>	<b>7</b>	<b>2177</b>	<b>19</b>	<b>2165</b>	<b>810</b>	<b>490</b>	<b>253</b>	<b>511</b>	<b>120</b>

## APPENDIX VII - ANALYSIS OF WORK ACCIDENTS BY SECTION OF ECONOMIC ACTIVITY- YEAR 2010 (Employed persons during their work)



**APPENDIX VIII - ANALYSIS OF FATAL ACCIDENTS OCCURRED DURING YEAR 2010  
(REPORTABLE ACCORDING TO THE LEGISLATION)**

**A. EMPLOYED PERSONS during work (TOTAL No. OF ACCIDENTS: 19<sup>Note</sup> - VICTIMS20)**

No.	District	Number of Victims	Economic Activity Section of Employer	Accident Causation
8.	Nicosia	1	Government Service (Water Development Department)	Road accident – Flip from passing car
9.	Nicosia	1	Vegetable Wholesale	Strike by a moving truck (slow moving while it was parked)
10.	Nicosia	1	Building construction works	Heatstroke
11.	Nicosia	1	Building construction works	Strike by the rear tire of a truck while in motion
12.	Limassol	1	Steel construction	Fall from a height
13.	Limassol	1	Plastic and paper recycling works	Trapped by moving machine parts
14.	Limassol	1	Take away food services	Road accident
15.	Limassol	1	Building construction works	Electrocution
16.	Limassol	1	Tires and paints retail trade	Trapped in a loft railing
17.	Limassol	1	Agricultural works	Trapped by an overturned tractor
18.	Larnaca	1	Roadside Assistance	Road accident
19.	Larnaca	1	Pre-casted concrete elements	Violent collision of the lift top (where the victim was working) with the concrete base of the lift opening
20.	Larnaca	1	Building construction works	Strike by a moving part of an excavator
21.	Paphos	1	Building construction works	Strike by a crane boom during dismantling.
22.	Paphos	1	Port and Marine Police	Drowning following the overturning of an inflatable boat
23.	Paphos	1	Building construction works	Fall from a height
24.	Famagusta	2	Construction of greenhouses	Electrocution
25.	Famagusta	1	Communication services	Fall from a height
26.	Famagusta	1	Mosaic tiles manufacturing	Trapped by marble slabs during unloading

Note: The above table, as shown by its title, presents the fatal accidents **occurred** to employed persons, in the course of their work, during 2010. The accident No. 17 resulted in the death of 2 persons and therefore the number of victims was 20. Since the accident with No 18 had not been reported to the Labour Inspection Department until the end of the reference year, the table

in Annex VI and Annex XI diagram showing accidents (number of victims) **reported** to the Department during the year 2010, presents only 19 accidents (victims).

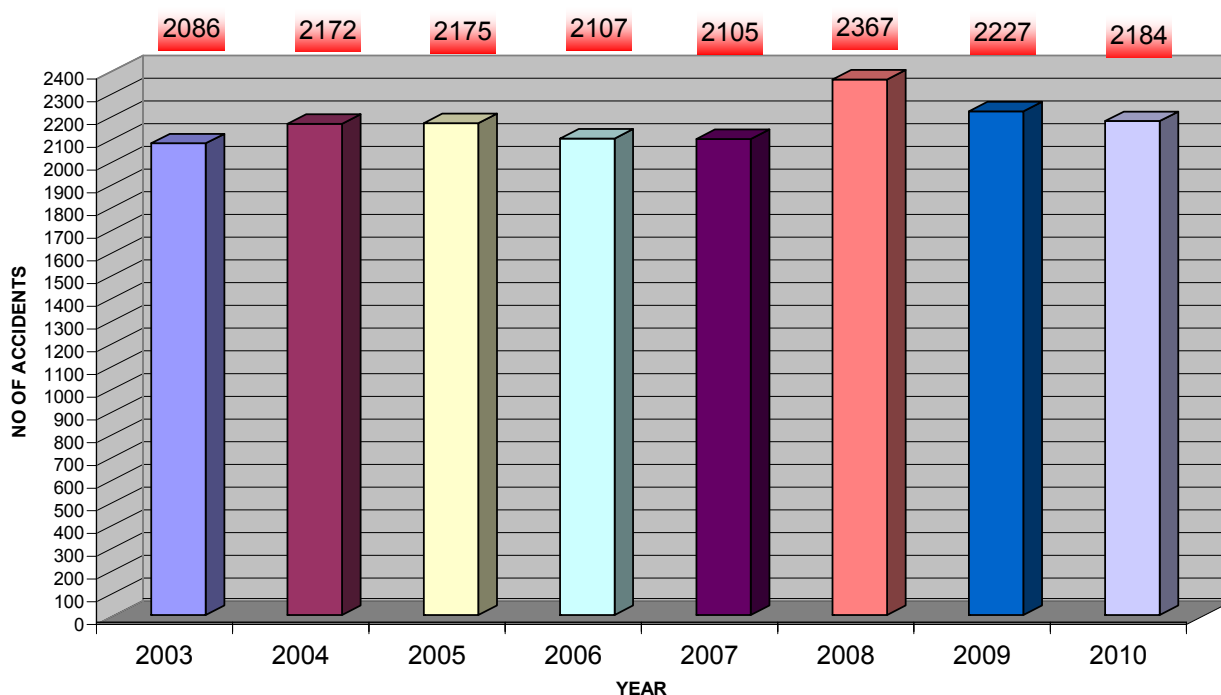
**B. EMPLOYED PERSONS during their normal journey from their house to work – commuting accidents (TOTAL No. OF ACCIDENTS: 1)**

No.	District	Number of Victims	Economic Activity Section of Employer	Accident Causation
1.	Famagusta	1	Hotel business	Road accident

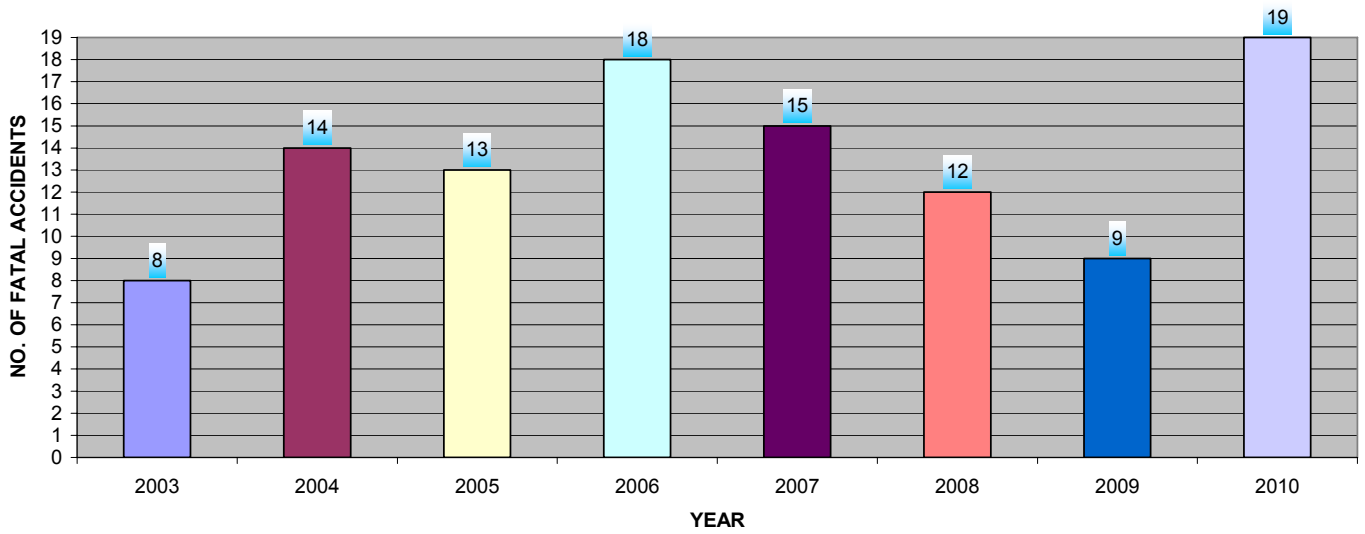
**C. PERSONS OUT OF WORK (TOTAL No. OF ACCIDENTS: 1)**

No.	District	Number of Victims	Economic Activity Section of Employer	Accident Causation
1.	Famagusta	1	Building construction works	Fall from a height

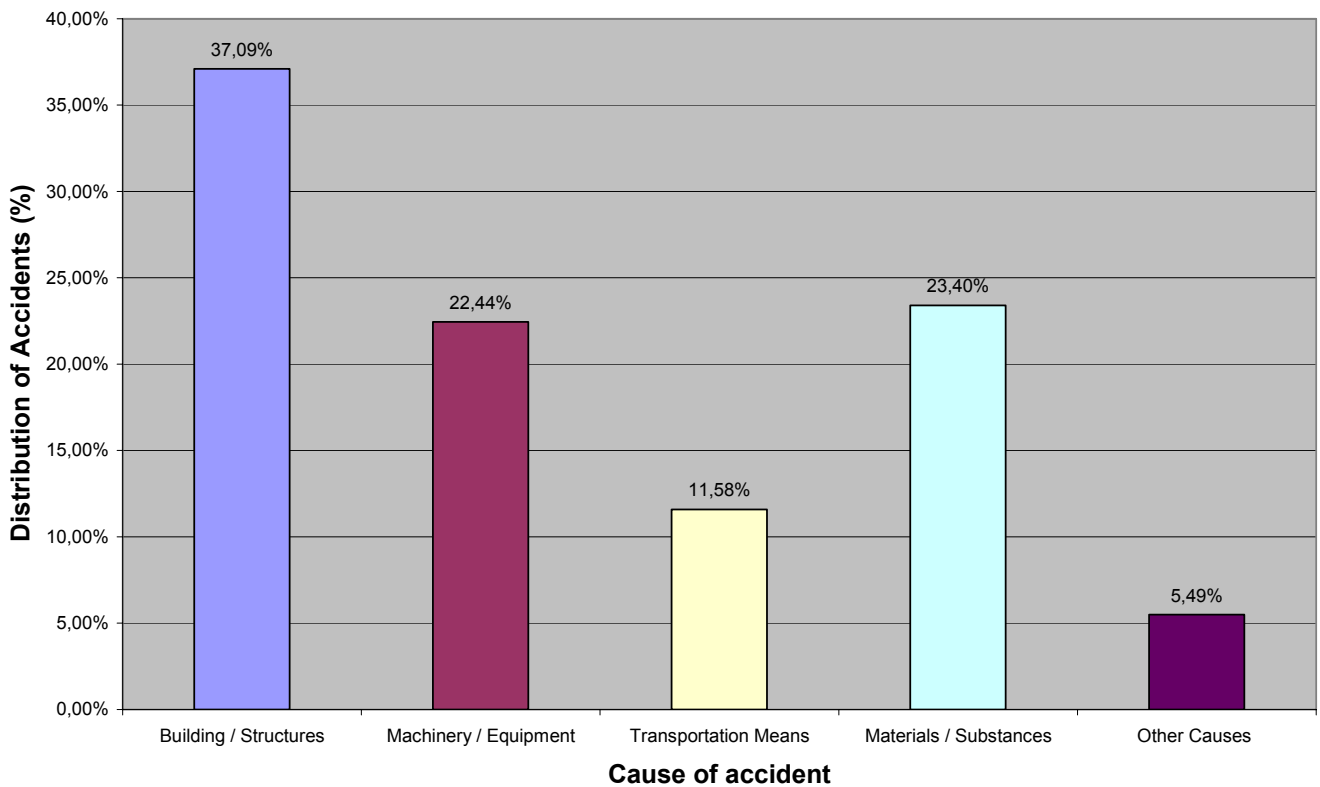
**APPENDIX IX – ACCIDENTS REPORTED FOR THE PERIOD 2003 - 2010**



## APPENDIX X: FATAL ACCIDENTS NOTIFIED DURING THE PERIOD 2003-2010 (EMPLOYED PERSONS DURING THEIR WORK)



## APPENDIX XI - Analysis of work accidents by cause - Year 2010





## APPENDIX XII - Accidents Frequency Index by Economic Activity - Year 2010 (PRELIMINARY RESULTS)

TABLE

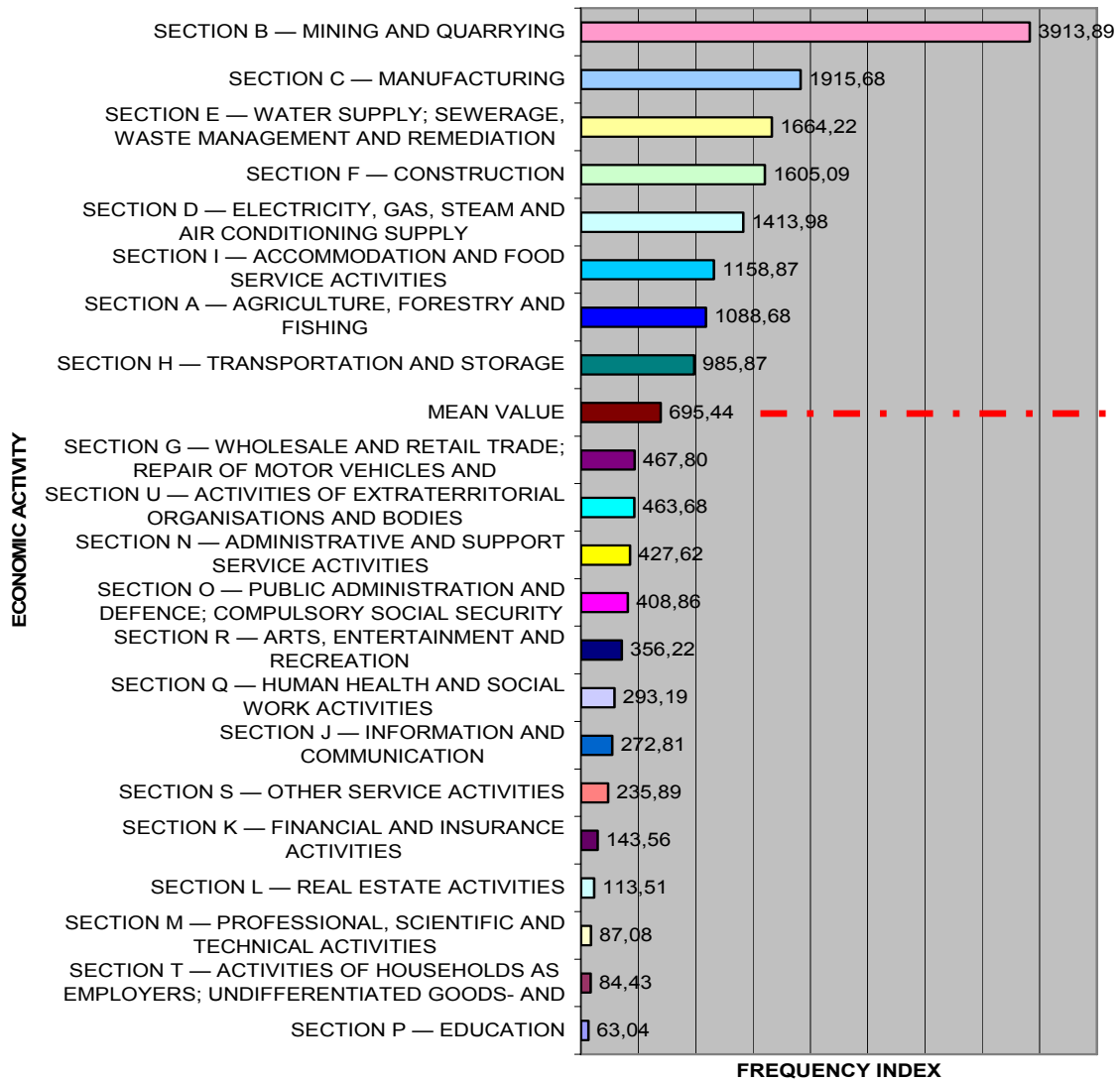
No	ECONOMIC ACTIVITY SECTOR	NUMBER OF ACCIDENTS	NUMBER OF EMPLOYED PERSONS (Note 1)	FREQUENCY INDEX (Note 2)
1	SECTION A — AGRICULTURE, FORESTRY AND FISHING	48	4409	1088,68
2	SECTION B — MINING AND QUARRYING	20	511	3913,89
3	SECTION C — MANUFACTURING	488	25474	1915,68
4	SECTION D — ELECTRICITY, GAS, STEAM AND AIR CONDITIONING SUPPLY	18	1273	1413,98
5	SECTION E — WATER SUPPLY; SEWERAGE, WASTE MANAGEMENT AND REMEDIATION ACTIVITIES	34	2043	1664,22
6	SECTION F — CONSTRUCTION	540	33643	1605,09
7	SECTION G — WHOLESALE AND RETAIL TRADE; REPAIR OF MOTOR VEHICLES AND MOTORCYCLES	272	58144	467,80
8	SECTION H — TRANSPORTATION AND STORAGE	134	13592	985,87
9	SECTION I — ACCOMMODATION AND FOOD SERVICE ACTIVITIES	309	26664	1158,87
10	SECTION J — INFORMATION AND COMMUNICATION	20	7331	272,81
11	SECTION K — FINANCIAL AND INSURANCE ACTIVITIES	26	18111	143,56
12	SECTION L — REAL ESTATE ACTIVITIES	1	881	113,51
13	SECTION M — PROFESSIONAL, SCIENTIFIC AND TECHNICAL ACTIVITIES	14	16078	87,08
14	SECTION N — ADMINISTRATIVE AND SUPPORT SERVICE ACTIVITIES	27	6314	427,62
15	SECTION O — PUBLIC ADMINISTRATION AND DEFENCE; COMPULSORY SOCIAL SECURITY	122	29839	408,86
16	SECTION P — EDUCATION	15	23795	63,04
17	SECTION Q — HUMAN HEALTH AND SOCIAL WORK ACTIVITIES	39	13302	293,19
18	SECTION R — ARTS, ENTERTAINMENT AND RECREATION	18	5053	356,22
19	SECTION S — OTHER SERVICE ACTIVITIES	13	5511	235,89
20	SECTION T — ACTIVITIES OF HOUSEHOLDS AS EMPLOYERS; UNDIFFERENTIATED GOODS- AND SERVICES-PRODUCING ACTIVITIES OF HOUSEHOLDS FOR OWN USE	17	20136	84,43
21	SECTION U — ACTIVITIES OF EXTRATERRITORIAL ORGANISATIONS AND BODIES	9	1941	463,68
TOTAL / MEAN VALUE		<b>2184</b>	<b>314045</b>	<b>695,44</b>

**Notes:**

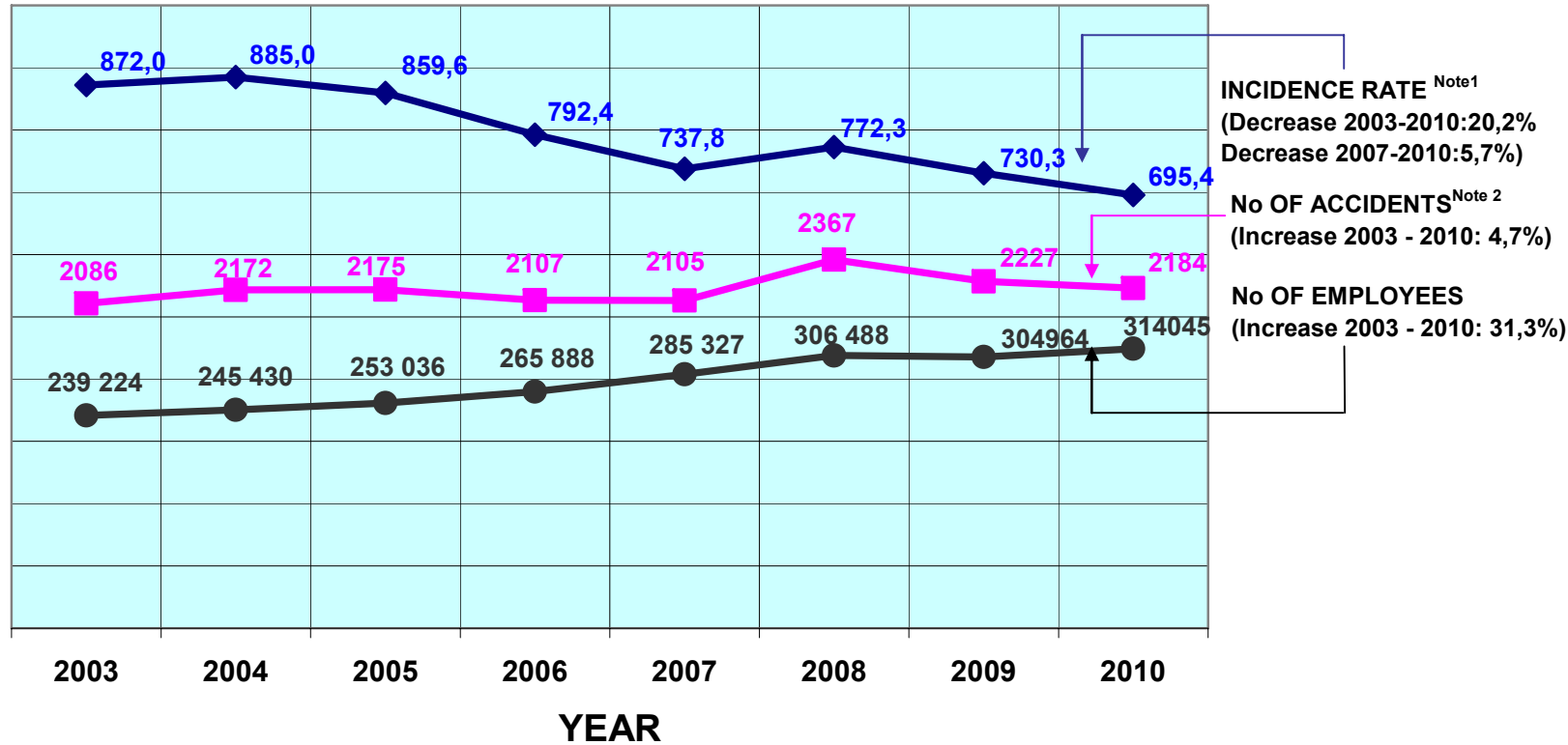
1. Results are Preliminary and not Final, as number of employed persons are according to the data of the Labour Force Survey of the Statistics Department, for the third quarter of the year and not the year average. Final results will be issued soon after the year average will be available.

2. Frequency Index = (Number of Accidents / Number of Employed Persons) X 100.000.

## APPENDIX XIII – FREQUENCY INDEX BY ECONOMIC ACTIVITY - Year 2010



**APPENDIX XIV - TREND OF FREQUENCY INDEX - NO OF ACCIDENTS - NO OF EMPLOYED PERSONS TOTALS – AVERAGE**  
**PERIOD 2003 – 2010<sup>Note 1</sup>**



Note 1: Incidence Rate results for year 2010 are preliminary and not final, as number of employees are according to the data of the Labour Force Survey of the Statistics Department, for the third quarter of the year and not the year average.

Note 2: Number of accidents, refer to accidents that occurred to employees, during their work and reported to the Department of Labour Inspection.

## APPENDIX XV - Accidents Frequency Index by Economic Activity - Year 2009 (FINAL RESULTS)

TABLE

No	ECONOMIC ACTIVITY SECTOR	NUMBER OF ACCIDENTS	NUMBER OF EMPL. PERSONS (Note 1)	FREQUENCY INDEX (Note 2)
1	SECTION A — AGRICULTURE, FORESTRY AND FISHING	59	2921	2019,86
2	SECTION B — MINING AND QUARRYING	24	714	3361,34
3	SECTION C — MANUFACTURING	549	28470	1928,35
4	SECTION D — ELECTRICITY, GAS, STEAM AND AIR CONDITIONING SUPPLY	13	3290	395,14
5	SECTION E — WATER SUPPLY; SEWERAGE, WASTE MANAGEMENT AND REMEDIATION ACTIVITIES	30	1395	2150,54
6	SECTION F — CONSTRUCTION	562	32591	1724,40
7	SECTION G — WHOLESALE AND RETAIL TRADE; REPAIR OF MOTOR VEHICLES AND MOTORCYCLES	272	56715	479,59
8	SECTION H — TRANSPORTATION AND STORAGE	119	13232	899,33
9	SECTION I — ACCOMMODATION AND FOOD SERVICE ACTIVITIES	301	22723	1324,65
10	SECTION J — INFORMATION AND COMMUNICATION	13	7912	164,31
11	SECTION K — FINANCIAL AND INSURANCE ACTIVITIES	11	17437	63,08
12	SECTION L — REAL ESTATE ACTIVITIES	0	1335	0,00
13	SECTION M — PROFESSIONAL, SCIENTIFIC AND TECHNICAL ACTIVITIES	10	15815	63,23
14	SECTION N — ADMINISTRATIVE AND SUPPORT SERVICE ACTIVITIES	28	7958	351,85
15	SECTION O — PUBLIC ADMINISTRATION AND DEFENCE; COMPULSORY SOCIAL SECURITY	127	28961	438,52
16	SECTION P — EDUCATION	21	22809	92,07
17	SECTION Q — HUMAN HEALTH AND SOCIAL WORK ACTIVITIES	35	12968	269,90
18	SECTION R — ARTS, ENTERTAINMENT AND RECREATION	15	3342	448,83
19	SECTION S — OTHER SERVICE ACTIVITIES	14	5501	254,50
20	SECTION T — ACTIVITIES OF HOUSEHOLDS AS EMPLOYERS; UNDIFFERENTIATED GOODS- AND SERVICES-PRODUCING ACTIVITIES OF HOUSEHOLDS FOR OWN USE	14	16599	84,34
21	SECTION U — ACTIVITIES OF EXTRATERRITORIAL ORGANISATIONS AND BODIES	10	2276	439,37
ΣΥΝΟΛΟ / ΜΕΣΟΣ ΟΡΟΣ		<b>2227</b>	<b>304964</b>	<b>730,25</b>

**Notes:**

1. Number of employed persons according to the data of the Labour Force Survey of the Statistics Department - YEAR AVERAGE
2. Frequency Index = (Number of Accidents / Number of Employed Persons) X 100.000.

## APPENDIX XVI – Inspections of Machinery for the Year 2009

S/N	TYPE OF MACHINERY	DISTRICT																	
		NICOSIA			LIMASSOL			LARNACA			FAMAGUSTA			PAPHOS			TOTAL		
		No.	%(1)	%(2)	No.	%(1)	%(2)	No.	%(1)	%(2)	No.	%(1)	%(2)	No.	%(1)	%(2)	No.	%(3)	
1	LIFTS	196	45,37%	42,79%	167	37,95%	36,46%	10	7,30%	2,18%	32	71,11%	6,99%	53	51,46%	11,57%	458	39,59%	
2	HYDRAULIC LIFTING PLATFORMS	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%	
3	LIFTING MACHINERY AND DEVICES	16	3,70%	21,33%	45	10,23%	60,00%	13	9,49%	17,33%	1	2,22%	1,33%	0	0,00%	0,00%	75	6,48%	
4	CRANES	66	15,28%	34,55%	48	10,91%	25,13%	54	39,42%	28,27%	3	6,67%	1,57%	20	19,42%	10,47%	191	16,51%	
5	TOWER CRANES	0	0,00%	0,00%	0	0,00%	0,00%	1	0,73%	100,00%	0	0,00%	0,00%	0	0,00%	0,00%	1	0,09%	
6	STEAM BOILERS	92	21,30%	26,74%	166	37,73%	48,26%	51	37,23%	14,83%	8	17,78%	2,33%	27	26,21%	7,85%	344	29,73%	
7	STEAM RECEIVERS	8	1,85%	100,00%	0	0,00%	0,00%	0	0,00%	0,00%	0	0,00%	0,00%	0	0,00%	0,00%	8	0,69%	
8	AIR RECEIVERS	54	12,50%	67,50%	14	3,18%	17,50%	8	5,84%	10,00%	1	2,22%	1,25%	3	2,91%	3,75%	80	6,91%	
9	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%	
10	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%	
11	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%	
Total No. of Machinery Inspections:		432	37,34%		440	38,03%		137	11,84%		45	3,89%		103	8,90%		1157		

%(4)

%(4)

%(4)

%(4)

%(4)

%(1) 1. Percentage contribution on the total Number of Inspections for the same District.

%(2) 2. Percentage contribution on the total Number of Inspections of the same Type Cyprus wide.

%(3) 3. Percentage contribution on the total Number of Inspections Cyprus wide.

%(4) 4. Percentage contribution of District Inspections on the total Number of Inspections Cyprus wide.

## APPENDIX XVII – Registered Inspectable Machinery at 31.12.2009

A/A	TYPE OF MACHINERY	DISTRICT																
		NICOSIA			LIMASSOL			LARNACA			FAMAGUSTA			PAPHOS			TOTAL	
		No.	%(1)	%(2)	No.	%(1)	%(2)	No.	%(1)	%(2)	No.	%(1)	%(2)	No.	%(1)	%(2)	No.	%(3)
1	LIFTS	3667	57,49%	48,65%	2126	65,13%	28,21%	766	41,65%	10,16%	450	65,98%	5,97%	528	59,93%	7,01%	7537	57,78%
2	HYDRAULIC LIFTING PLATFORMS	25	0,39%	58,14%	4	0,12%	9,30%	10	0,54%	23,26%	3	0,44%	6,98%	1	0,11%	2,33%	43	0,33%
3	LIFTING MACHINERY AND DEVICES	492	7,71%	47,63%	301	9,22%	29,14%	179	9,73%	17,33%	15	2,20%	1,45%	46	5,22%	4,45%	1033	7,92%
4	CRANES	161	2,52%	36,76%	89	2,73%	20,32%	134	7,29%	30,59%	11	1,61%	2,51%	43	4,88%	9,82%	438	3,36%
5	TOWER CRANES	4	0,06%	33,33%	6	0,18%	50,00%	1	0,05%	8,33%	0	0,00%	0,00%	1	0,11%	8,33%	12	0,09%
6	STEAM BOILERS	212	3,32%	36,93%	117	3,58%	20,38%	158	8,59%	27,53%	43	6,30%	7,49%	44	4,99%	7,67%	574	4,40%
7	STEAM RECEIVERS	125	1,96%	48,64%	54	1,65%	21,01%	67	3,64%	26,07%	7	1,03%	2,72%	4	0,45%	1,56%	257	1,97%
8	AIR RECEIVERS	1693	26,54%	53,81%	563	17,25%	17,90%	524	28,49%	16,66%	153	22,43%	4,86%	213	24,18%	6,77%	3146	24,12%
9	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%
10	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%
11	LIFTING TACKLES	0	0,00%	0,00%	4	0,12%	80,00%	0	0,00%	0,00%	0	0,00%	0,00%	1	0,11%	20,00%	5	0,04%
Total Number of Registered Machinery:		6379	48,90%		3264	25,02%		1839	14,10%		682	5,23%		881	6,75%		13045	
		%(4)			%(4)			%(4)			%(4)			%(4)				

%(1) 1. Percentage contribution on the total Number of Inspectable Machinery for the same District.

%(2) 2. Percentage contribution on the total Number of Inspectable Machinery of the same Type Cyprus wide.

%(3) 3. Percentage contribution on the total Number of Inspectable Machinery Cyprus wide.

%(4) 4. Percentage contribution of District Inspectable Machinery on the total Number of Inspectable Machinery Cyprus wide.

## APPENDIX XVIII – Air Emission Permits

Installations for which Air Emission Permits were issued / renewed in 2010

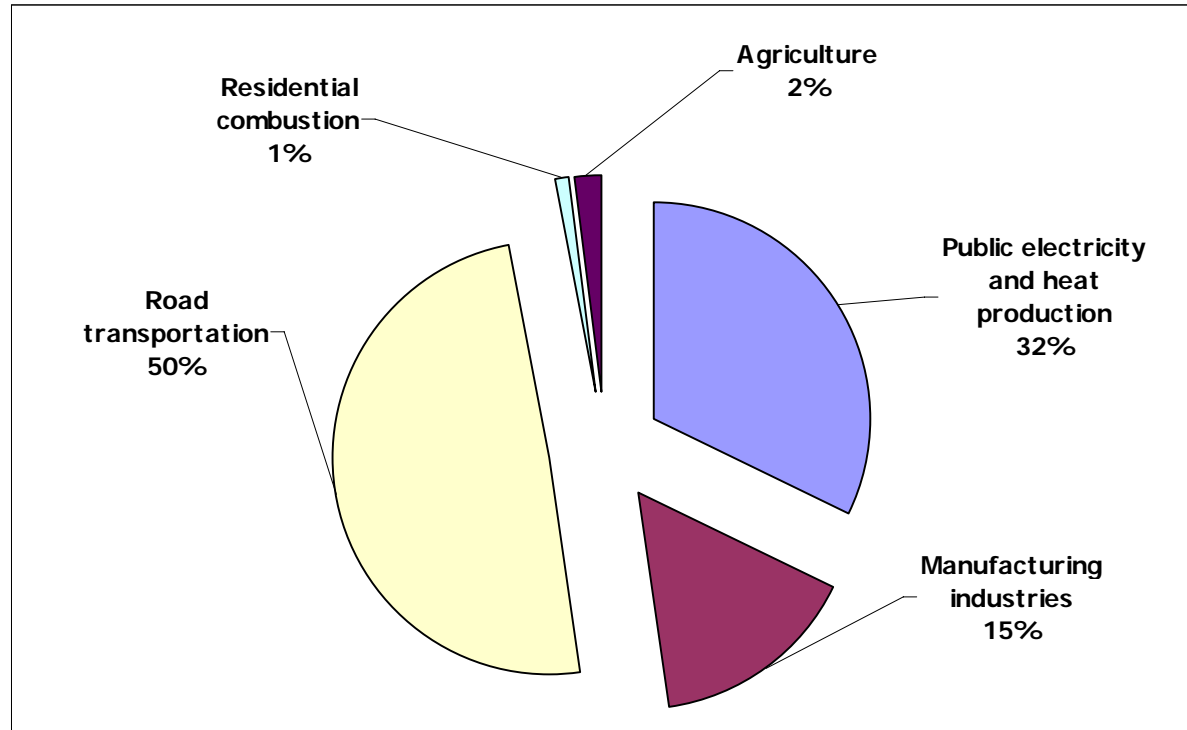
Installation Category	Number of Air Emission Permits granted in 2009
- Combustion installations with a total rated thermal input of 50 MW or more	1
- Production of paints, inks and varnishes	7
- Production and / or packing of detergents	3
- Wood Processing / Painting	2
- Electrostatic Painting of metallic articles	1
- Petrol stations	2
- Printing works	1
- Production of smoked meat	1
<b>Total</b>	<b>18</b>

**APPENDIX XIX - National Emissions per Section (Year 2008)**

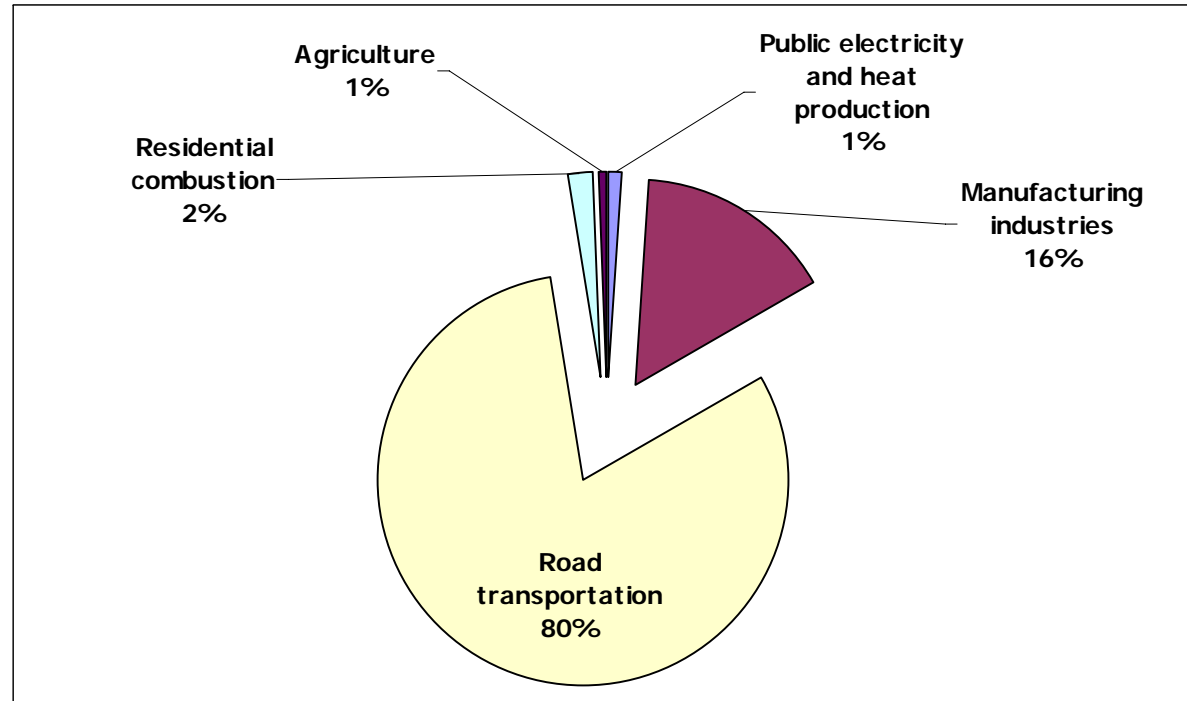
	NOx	CO	NMVOC	SOx	NH3	TSP	PM10	PM2.5	Pb	Cd	Hg	DIOX
	Gg NO <sub>2</sub>	Gg	Gg	Gg SO <sub>2</sub>	Gg	Gg	Gg	Gg	Mg	Mg	Mg	g I-Teq
<b>Public Electricity and heat production</b>	6,32	0,25	0,12	20,52		0,79	0,59	0,40	0,21	0,06	0,01	0,13
<b>Manufacturing Industries and Construction</b>	3,02	3,52	0,22	0,83	0,00	0,28	0,23	0,18	0,18	0,01	0,17	0,10
<b>Road Transportation</b>	9,61	18,21	3,15	0,13	0,36	0,72	0,72	0,63	2,13	0,01		0,06
<b>Central Heating</b>	0,22	0,29	0,07	0,16	0,00	0,04	0,03	0,03	0,05	0,00	0,00	0,05
<b>Agricultural Combustion and Mobile</b>	0,38	0,12	0,04	0,05	0,00	0,04	0,04	0,03	0,01	0,00	0,00	0,07
<b>Distribution /Storage of Oil Products</b>			1,01		0,00							
<b>Cement Production</b>						3,62	1,76	1,30				
<b>Lime Production</b>						0,01	0,00	0,00				
<b>Asphalt / Quarries</b>		0,00	0,00			0,86	0,37	0,04				
<b>Dry Cleaning</b>			0,30									
<b>Paint Application/Domestic solvents</b>			4,36									
<b>Manure Management</b>			2,41		4,43	0,32	0,32	0,06				
<b>Waste Incineration</b>	0,01	0,15	0,03	0,00	0,02	0,03	0,02	0,02	0,00	0,00	0,00	0,06
<b>Fertilizers</b>					0,54	0,01	0,01	0,00				
<b>National Total</b>	<b>19,57</b>	<b>22,55</b>	<b>11,71</b>	<b>21,68</b>	<b>5,35</b>	<b>6,70</b>	<b>4,09</b>	<b>2,69</b>	<b>2,58</b>	<b>0,08</b>	<b>0,18</b>	<b>0,47</b>

Note: Gg=kt (kilotones) και Mg=t (tones)

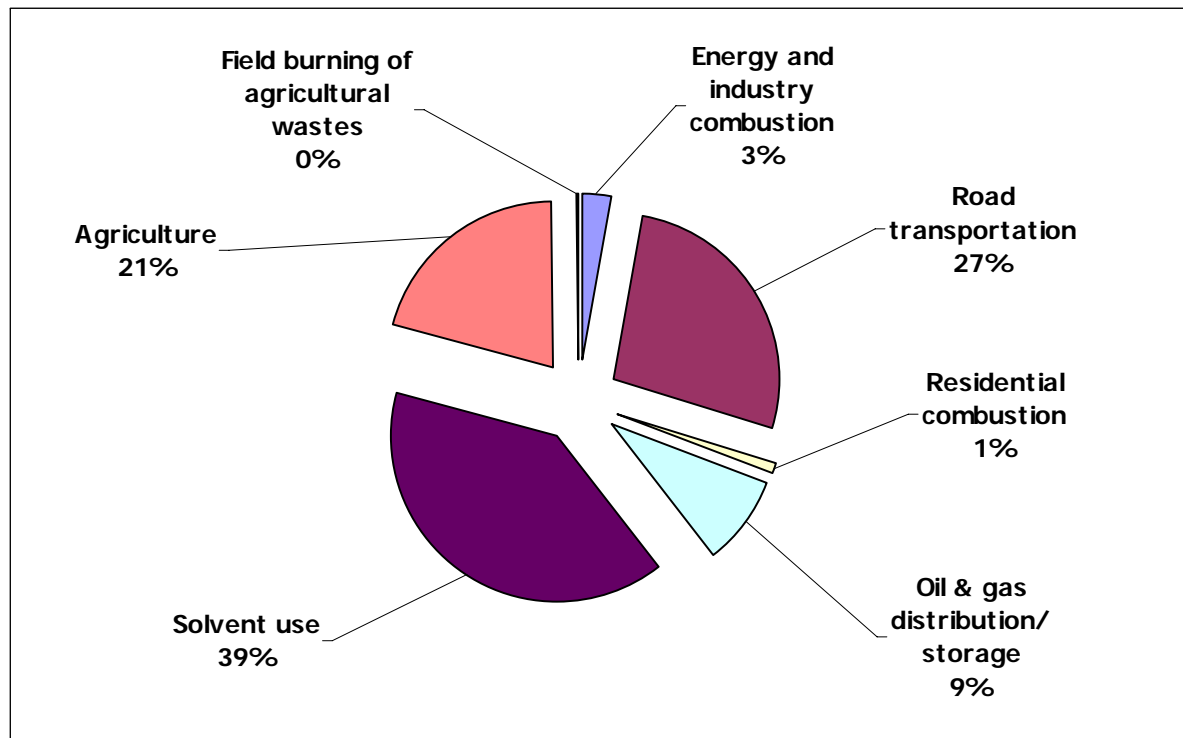




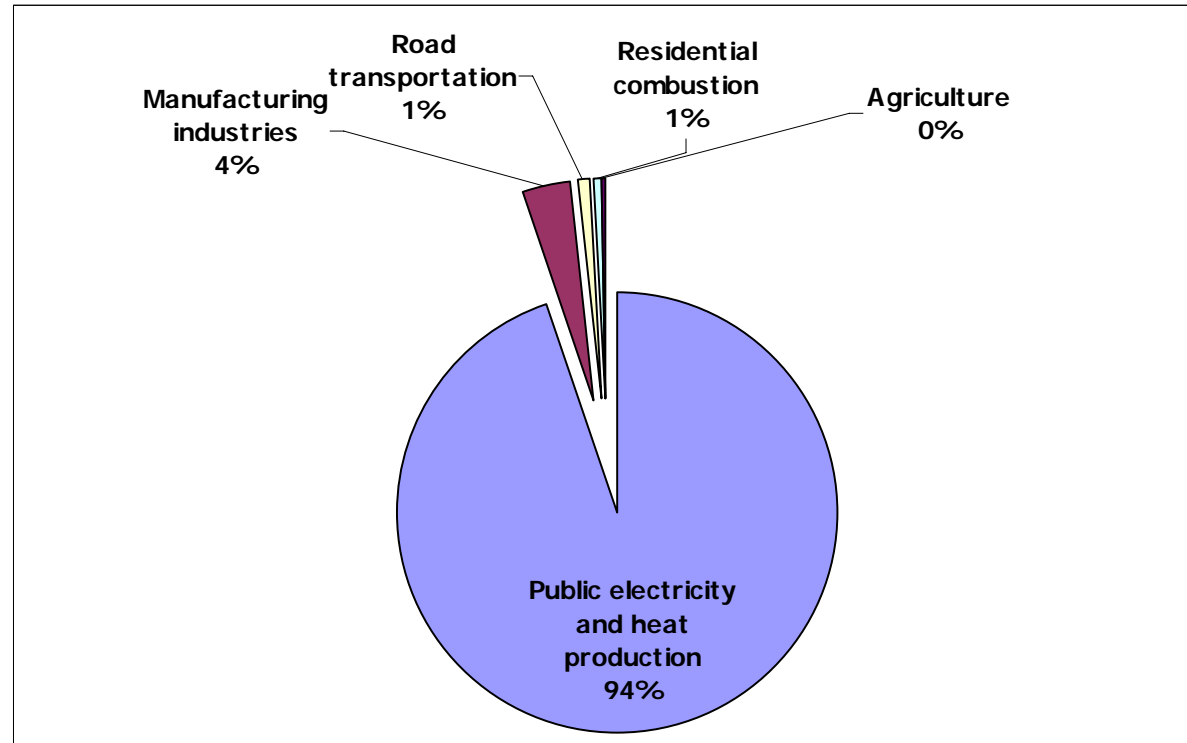
**Figure 1:** Percentage of Nitrogen Oxides Emissions per Activity in 2008



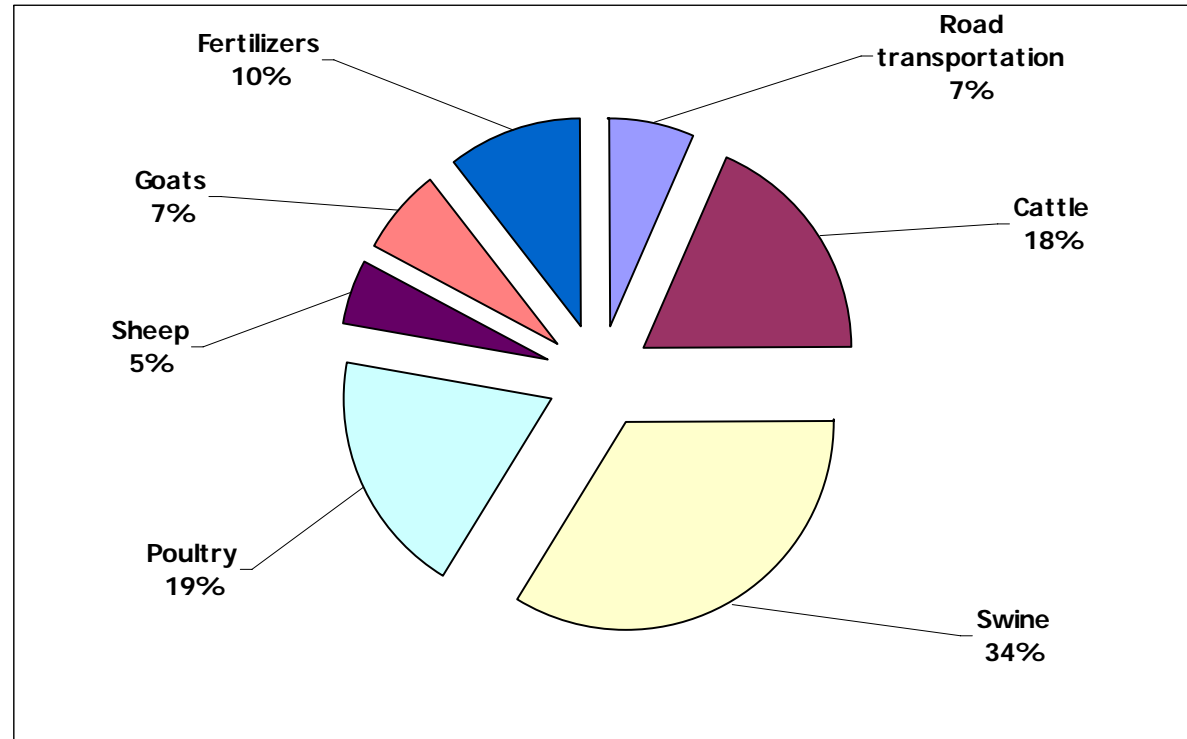
**Figure 2:** Percentage of Carbon Monoxide Emissions per Activity in 2008



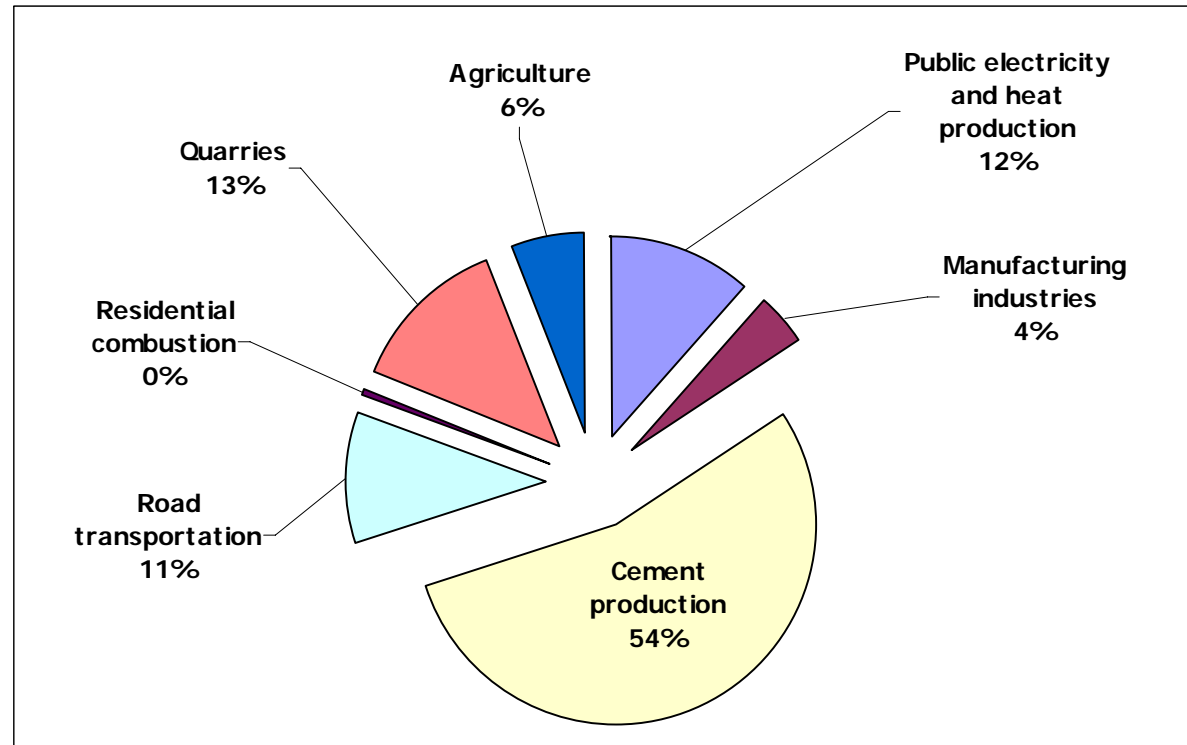
**Figure 3:** Percentage of Volatile Organic Compounds Emissions per Activity in 2008



**Figure 4:** Percentage of Sulphur Dioxide Emissions per Activity in 2008



**Figure 5:** Percentage of Ammonia Emissions per Activity in 2008

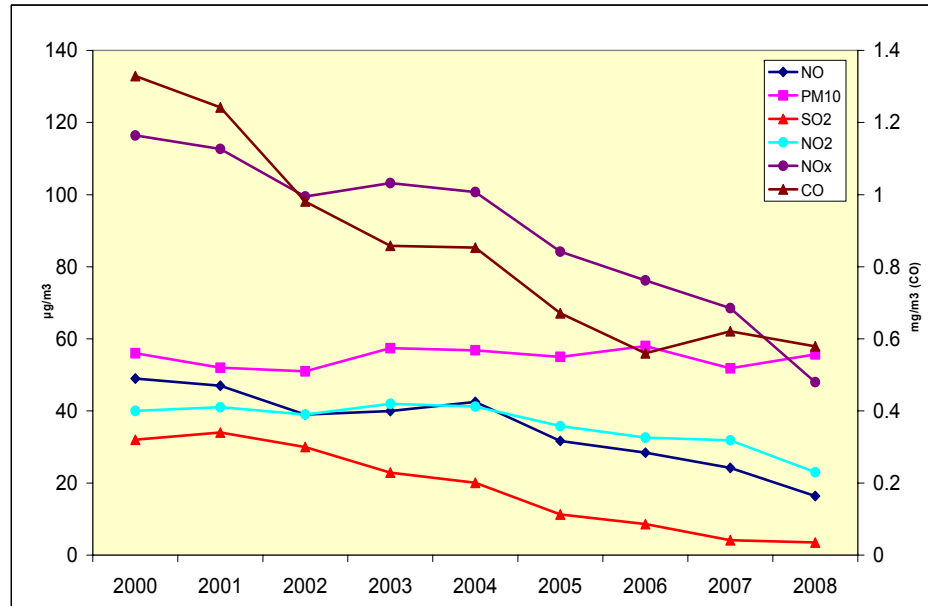


**Figure 6:** Percentage of Total Suspended Particulate Emissions per Activity in 2008

## APPENDIX XX – AIR QUALITY CONTROL



**Figure 1:** Monitoring Station (Agia Marina Xiliatou)



**Figure 2:** Fluctuation of NO, PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>2</sub>, NO<sub>x</sub> και CO during the period 2000–2008 at Nicosia General Hospital Station

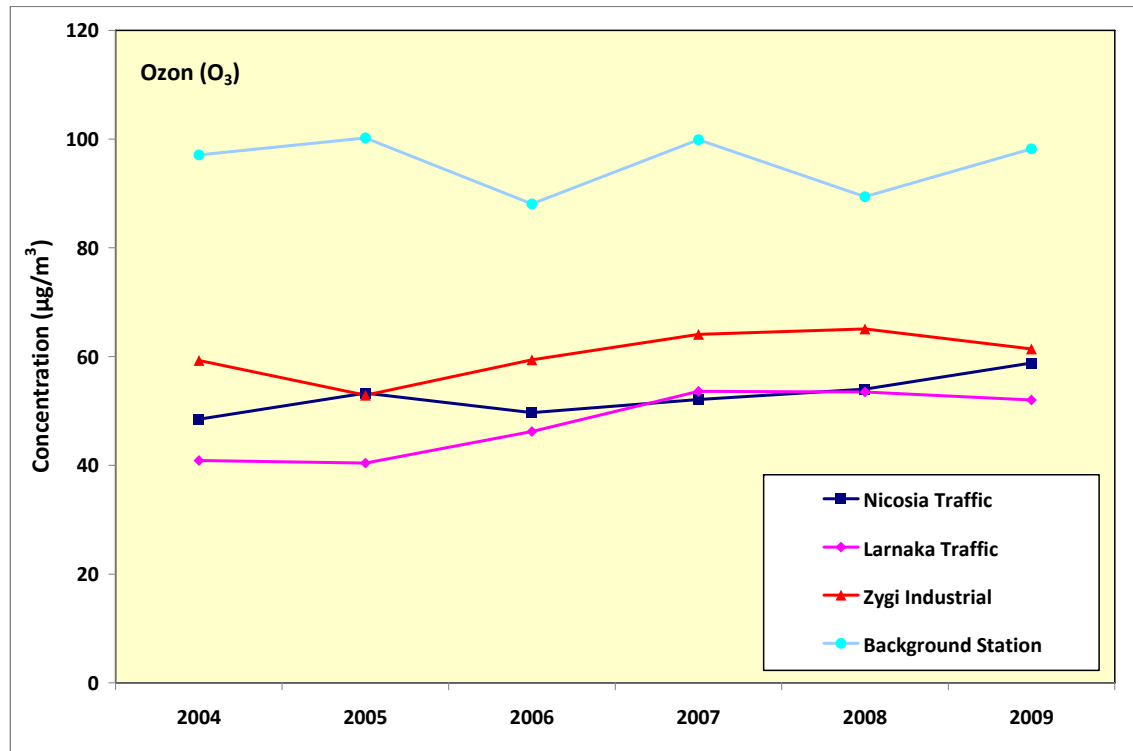


Figure3: Average annual values of Ozone at various locations in Cyprus



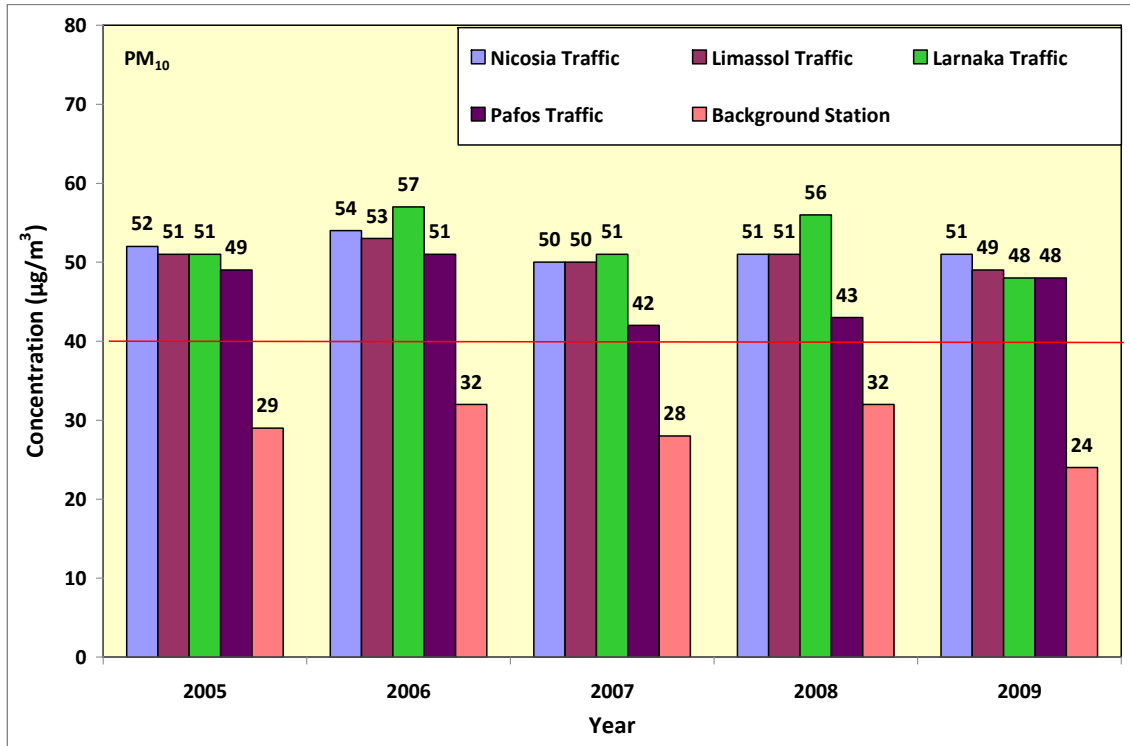


Figure4: Average annual values of PM<sub>10</sub> at various locations in Cyprus

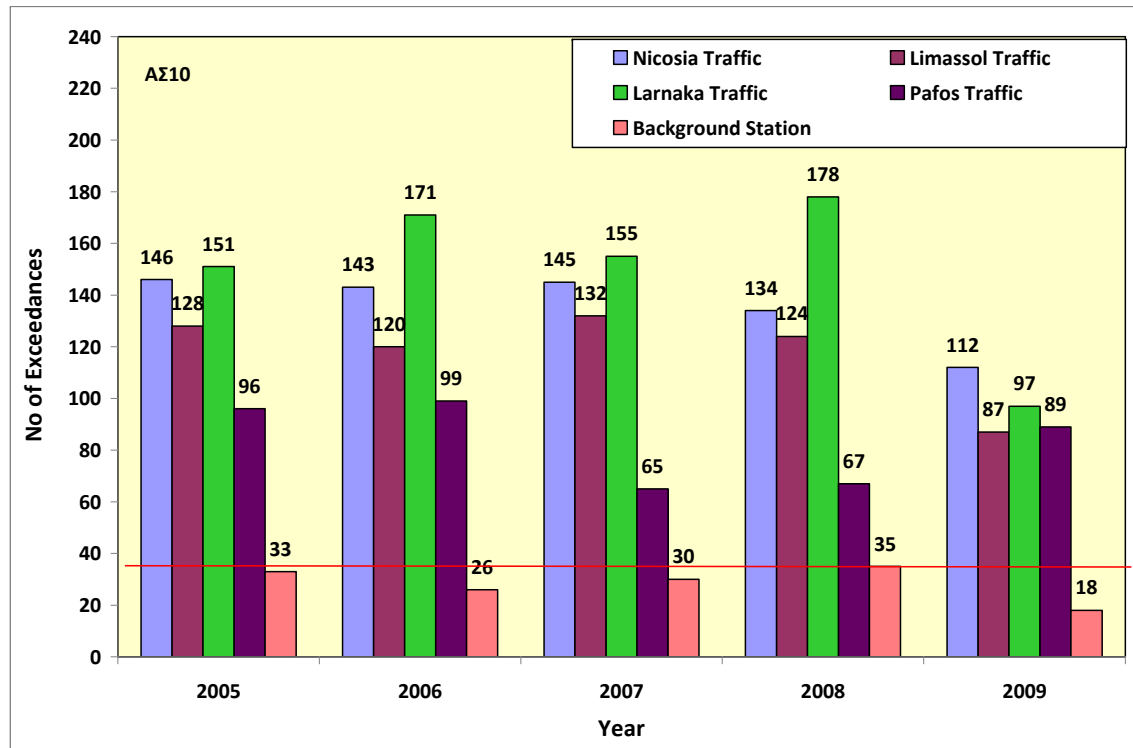


Figure5: Number of exceedances of the 24hour limit values ( $50 \mu\text{g}/\text{m}^3$ ) at various locations in Cyprus