

**ANNUAL REPORT 2002**  
**DEPARTMENT OF LABOUR INSPECTION**  
**MINISTRY OF LABOUR AND SOCIAL INSURANCE**

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## DEPARTMENT OF LABOUR INSPECTION

### GENERAL

The basic aim of the Department of Labour Inspection is the safeguarding of adequate levels of safety and health at work as well as appropriate conditions and terms of employment for all workers, the protection of the public against risks arising from activities at work, the protection of the public and the environment with the effective control of industrial pollution, the risks from major accidents, the chemical substances and the risks that arise from the use of ionising radiation, as well as the control of the ambient air quality.

The Department of Labour Inspection comprises three Sections, the Safety and Health at Work Policy Section, the Industrial Pollution Control Policy Section and the Field Operations Section. The headquarters of the Department are situated in Nicosia whereas there are District Offices in Nicosia, Limassol, Larnaca (serving also the Famagusta District) and Paphos. In 2002 there were 53 posts in the Department.

The Organisational structure of the Department of Labour Inspection is shown in Appendix I. A list of the legislation in which the Department has authority is shown in the Table of Appendix II.

The sectors of authority of the Department of Labour Inspection are the following:

#### **1. Safety and Health at Work – Conditions and Terms of Work**

This Sector deals with issues of safety and health related to the use of equipment (machinery, tools, pressure vessels, personal protective equipment, etc.), with building works and works of engineering construction, with suitability of building installations and of undertakings and generally with all workplaces.

Also, the Sector deals with issues related to the risks to health arising from the use of asbestos, chemical agents, biological agents, carcinogenic and

mutagenic agents, from physical factors, such as noise, lighting, heat, or from ergonomic factors, such as the manual lifting and handling of loads, monotonous work, pace of work, etc.

This Sector has also the responsibility for the surveillance of the enforcement of legislation that refers to the terms and the conditions of employment of children and young persons, to hours of work, to maternity protection and to minimum wages.

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

The issues of inspection and certification of inspectable machinery, such as lifts, hoists, steam boilers, steam receivers, cranes, winches, overhead travelling cranes and air receivers consist the object, which this Sector is dealing with.

## **3. Control of Dangerous Chemical Substances**

This Sector deals with issues related to the proper labelling, classification, and packaging of dangerous chemical substances with the purpose of providing the appropriate information to the users.

## **4. Occupational Safety and Health Training Centre**

The Centre deals with the provision of information and training to employers and workers on issues of occupational safety and health as well as the preparation of vocational and training programmes, manuals, and informative material.

## **5. Control of Industrial Pollution**

This Sector deals with the monitoring and control of the pollution caused by substances emitted to the environment during the operation of various industrial installations as well as with the monitoring of the quality of the atmosphere of Cyprus.

## **6. Radiation Protection**

The issues related to the use of ionising radiation in medicine, industry, construction, agriculture, research, as well as to radiation levels in the environment consist the object, which this Sector is dealing with. Also, this Sector deals with the preparation for the avoidance and confrontation of emergencies arising from ionising and radiological accidents as well as with the transportation and generally the handling of radioactive materials.

## **7. Control of Risks related to Major Accidents**

The Sector deals with issues arising from Major Accidents in which dangerous substances are involved aiming at accident prevention and / or the mitigation of their consequences to people and the environment.

### **. ACTIVITIES PER POLICY SECTOR**

In the text that follows, the activities of the Department of Labour Inspection, in the various Sectors for which it has competency, are presented with analysis.

## **1. SECTOR OF SAFETY AND HEALTH AT WORK – CONDITIONS AND TERMS OF WORK**

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

The main activity of the sector of Safety and Health at Work – Conditions and Terms of Work consist of the general inspections for the control of application of the provisions of the labour legislation within the competency / authority of the Department.

During 2002, the Labour Inspectors carried out inspections to workplaces falling within the provisions of the Safety and Health at Work Laws, the Factories Law as well as other Labour Laws and Regulations.

During the year 2002, the total number of undertaking inspections reached 4.569, in contrast to the 3.297 inspections carried out during the year

2001. The inspections of the year 2002 are shown analytically in the Table of Appendix III per undertaking category and per district.

The Table of Appendix IV shows the number of undertakings registered in the Computerised Information System of the Department per District and per category upto the 31<sup>st</sup> of December 2002, which reached 10.806 in total. The Table of appendix V shows the number of new undertakings, which were registered during the same period and which have reached 1.231. It is clarified that these new undertakings are included in the Table of Appendix IV.

During 2002, 64.700 persons were employed in construction and manufacturing undertakings. The total number of persons employed in all branches of economic activity was 313.900.

According to the relevant provision of the Safety and Health at Work Laws, during 2002, the Department of Labour Inspection examined 390 in total drawings of industrial buildings for the setting of terms within the scope of issuing of the Town Planning Permit and the Building Permit, in contrast to 394 cases examined during 2001. The Department of Labour Inspection suggested special terms for the issue of these permits on the basis of relevant provisions of legislation for which the Department of Labour Inspection has authority.

Based on the relevant provisions of the Safety and Health at Work Laws, the Labour Inspectors issued during 2002, 31 Improvement Notices, and 81 Prohibition Notices, which were related to various breaches in undertakings/ construction sites, which are inspected under the above Laws, in contrast to 10 Improvement Notices and 24 Prohibition Notices, which were issued during 2001.

## **1.2. Prosecutions**

During the year 2002, the legal proceedings for breaches of labour laws were completed in 20 instances compared to 22 instances of 2001. The fines imposed on the convicted reached £17.570 in total, compared to £23.985 in 2001.

The number of legal cases and the Laws on the basis of which the prosecuted parties were brought before the Court as well as the fines charged during 2001, in comparison to those of 2001, are shown in the Table of Appendix VI.

### 1.3. Notification of Work Accidents

According to the Notification of Accidents and Occupational Diseases Law, the employer has the duty to notify every accident, which makes his employee incapable to work for more than 3 days. During 2002, 1.670 work accidents were reported to the Department, in contrast to 1.064 of 2001. The reason for which the reported accidents in 2002 were much more than those of 2001 is due to the systematic effort exhibited during 2002 by the Labour Inspectors for the decrease of the under-reporting phenomenon of these accidents. During 2002, the fatal labour accidents were 17, in contrast to 9 during 2001.

During the same period, 4 dangerous occurrences were reported to the Department, of which 3 related to fires and one to electrical short-circuiting.

In the following two Tables, the dangerous occurrences are analysed per District and category.

<b>NOTIFIED DANGEROUS OCCURRENCES PER DISTRICT FOR THE YEAR 2002</b>	
<b>DISTRICT</b>	<b>Number of Dangerous Occurrences</b>
Nicosia	1
Limassol	1
Larnaca	1
Famagusta	0
Paphos	1
<b>Total</b>	<b>4</b>

<b>NOTIFIED DANGEROUS OCCURRENCES PER CATEGORY FOR THE YEAR 2002</b>	
<b>CATEGORY</b>	<b>Number of Dangerous Occurrences</b>
Fire	3
Electrical Short Circuit	1
<b>Total</b>	<b>4</b>

#### **1.4. Analysis of Work Accidents**

The analysis of Work accidents is presented in Appendices VII-XIV, as follows:

The Table of Appendix VII shows the analysis of Work accidents per economic activity sector, gender, age, degree of injury and causation.

In the Figure of Appendix VIII the accidents are classified per economic activity sector. As presented in this Figure, the highest number of accidents in 2002 occurs in the manufacturing sector with the percentage of 30,66%.

In the Figure of Appendix IX, the annual number of work accidents, which were reported during the period 1985-2002, is presented in graphical form.

In the following Table, the fatal work accidents per economic activity sector and causation are presented.

<b>District</b>	<b>Number of Persons</b>	<b>Economic Activity Sector</b>	<b>Accident Causation</b>
Nicosia	1	Quarry	Strike by crawler vehicle moving backwards
Nicosia	1	Machine Works	Strike from the fall of excavator bucket
Nicosia	1	Drilling Works	Trapping from overturning of earth drilling vehicle on the road
Nicosia	1	Paint Works	Fall from mobile ladder
Nicosia	1	Machine Works	Strike from the fall of

District	Number of Persons	Economic Activity Sector	Accident Causation
			crane hook
Nicosia	1	Forestry	Inhalation of fumes during forest fire fighting
Limassol	1	Wood Works	Contact with moving disc of circular saw
Larnaca	1	Bakery products transportation	Road accident
Famagusta	1	Electrical Installations	Strike from the fall of wooden container base
Larnacca	1	Bakery products transportation	Road accident
Larnaca	1	Quarry	Trapping between rocks
Paphos	1	Municipal Authorities	Fall from a height
Paphos	2	Retail meat trade	Road accident
Paphos	1	Construction Works	Poisoning from inhalation of Carbon monoxide
Paphos	1	Gardening Works	Fall from a height
Paphos	1	Construction Works	Road accident
<b>TOTAL</b>	<b>17</b>		

The Figure of Appendix X shows the annual number of fatal work accidents reported during the period 1985-2002.

The Figure of Appendix XI shows in graphical from the working days lost due to work accidents and the number of work accidents reported during the period 1985-2002.

In the Figure of Appendix XII the work accidents are analysed per causation and are classified in six primary categories. According to this Figure the category «Other Causes» is the cause with the biggest percentage of accidents and the categories «Working Environment», «Transportation means», «Machinery», «Other Equipment» and «materials / Substances» follow.

The Table of Appendix XIII shows the Frequency Index [(number of accidents)/(number of persons employed) X 100.000] for the year 2002 as well as the secondary indices per economic activity sector.

In the Figure of Appendix XIV, the above frequency indices are compared with the corresponding indices of the year 2001. From the Figure it is shown that the highest frequency of accidents appears in the sector of mines and quarries followed by the sectors of construction and manufacturing.

During the year 2002, the Inspectors investigated 947 out of the total 1.670 reported accidents, in contrast to 711 out of 1.064 reported accidents for the year 2001. The investigations are aiming at finding out the conditions under which the accidents occurred and the tracing of their causes, for taking the necessary measures as well as for the provision of instructions and advice for the prevention of such events in the future.

#### **1.5. Occupational Diseases Prevention Service**

The Occupational Diseases Prevention Service continued the surveys on the conditions and the work environment of workplaces where workers are likely to be exposed to agents hazardous to health, aiming at the assessment of risks and the designation of preventive measures that are necessary for both compliance with existing legislation and for further improvement of the conditions and the working environment and with farther target the prevention of occupational diseases.

#### **1.6. Harmonisation with the European Acquis**

Within the framework of harmonising Cyprus to the European Acquis, the Department of Labour Inspection completed within 2002 the transposition to the Cyprus legislation of all the European Directives on issues of the sector of safety and health at work – conditions and terms of work.

The following refer to the legislative pieces, which were adopted by the House of Representatives and published in the Official Gazette of the Republic

during the year 2002, for harmonisation to the respective European Acquis in the Sector of safety and health at work and the conditions and terms of work.

€# The Safety and Health at Work (Amendment) Law of 2002 (25(I)/2002) (29.03.2003).

€# The Safety and Health (Minimum Requirements for Temporary or Mobile Construction Sites) Regulations of 2002. (172/2002) (05.04.2002)

€# The Management of Safety and Health Issues at Work Regulations of 2002. (173/2002) (05.04.2002)

€# The Minimum Requirements for Safety and Health at the Workplace Regulations of 2002. (174/2002) (05.04.2002)

€# The Safety and Health at Work of Workers with Fixed Duration Employment or with Temporary Employment Regulations of 2002. (184/2002) (12.04.2002)

€# The Safety and Health at Work (Protection from Noise) Regulations of 2002. (230/2002) (10.05.2002)

€# The Minimum Requirements for Safety and Health at Work (Extractive Industries through Drilling) Regulations of 2002. (274/2002) (07.06.2002)

€# The Minimum Requirements for Safety and health at Work (Surface or Underground Extractive Industries) Regulations of 2002. (275/2002) (07.06.2002)

€# The Safety and Health at Work (Minimum Requirements for the Protection of Persons at Work from Risks from Explosive Atmospheres) Regulations of 2002. (291/2002) (21.06.2002)

€# The Maternity Protection (Safety and Health at Work) Regulations of 2002.  
(255/2002) (31.05.2002)

€# The Maternity Protection (Amendment) Law of 2002. (64( )/2002)  
(31.05.2002)

## **2. SECTOR OF THE MACHINERY INSPECTION & CERTIFICATION**

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 particular sections of the labour legislation which concern prescribed by legislation types of machinery, called «Inspectable Machinery». The main activity of the Unit is the inspection of Inspectable Machinery. Other activities of the Unit concern the preparation of Reports and Certificates of Inspection, the maintenance and follow up of collecting the inspection fees, 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:

1. The Safety and Health at Work Law (N. 89(I)/1996), as amended by Laws N. 158(I)/2001 and N. 25(I)/2002,
2. The Factories Law, Cap. 134, as amended by Laws N. 43/64, N. 32/72, N. 22/82, N. 25/89, N. 20/90, N. 220/91 and N. 90(I)/96,
3. The Buildings and Works of Engineering Construction (Safety, Health and Welfare) Regulations of 1973, P.I. 161/73,
4. The Occupational Safety and Health at Ports Regulations of 1991, P.I. 349/91,
5. The Factories (Manner of Preparing Steam Boiler in Cold Condition) Order,
6. The Factories (Forms) Order,
7. The Factories (Prescribed Fees) Order of 1997, P.I. 191/97,
8. The Accidents and Occupational Diseases (Notification) (Dangerous Occurrences) Order of 1953.

Within the framework of the enforcement of the above legislation, the Unit provides specialised inspection services to the inspectable machinery owners. The services that are 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 to the owner of the machinery a Report of Examination or a Certificate of Test and Examination.

The Table of Appendix XV shows the analysis of the machinery inspections carried out by the Inspectors by District and category of machinery in the year 2002.

The Table of Appendix XVI shows the analysis of inspectable machinery by District and category of machinery, as these were registered into the Computerised Information System of the Department on 31.12.2002.

The following Table shows the corresponding Sections of the Factories Law that apply to the inspectable machinery, the maximum period between two inspections and comparison of the number of inspections carried out per machinery category with the corresponding number for the year 2001.

Machinery Type	Number of Inspections		Maximum Prescribed Period between Inspections	Section of the Factories Law on the Frequency of Inspections
	2002	2001		
Lifts and Hoists	768	594	6 months	33(2)
Hydraulic Lifting Platforms	0	1	12 months	33(9)(c)
Cranes and other Lifting Devices	170	131	14 months	35(2)
Steam Boilers	572	987	14 - 18 months	40(7)
Steam Receivers	32	24	26 months	41(4)
Air Receivers	76	144	26 months	42(5)
<b>TOTAL</b>	<b>1618</b>	<b>1481</b>		

Within the framework of the preparation of Cyprus for accession to the European Union, the Department of Labour Inspection undertook to transpose into the Cyprus legislation part of the New Approach Directives for the following product categories that relate to the inspectable machinery:

- ☒ Pressure Equipment,
- ☒ Simple Pressure Vessels,
- ☒ Lifts, and
- ☒ Machinery.

For the above products, the Department prepared during 2002 draft special Regulations based on the Law on Essential Requirements that Prescribed Categories of Products should fulfil.

### **3. SECTOR OF THE CONTROL OF DANGEROUS SUBSTANCES**

The main task of the Department of Labour Inspection in 2002 on this sector was the preparation of legislation fully harmonized to the corresponding European Directives on the classification, packaging and labelling of dangerous substances and preparations. Within this context, the Dangerous Substances Amendment Law of 2002 (N. 81(I)/2002) and the Dangerous Substances (Classification, Packaging and Labelling of Dangerous Substances and Preparations) Regulations of 2002 (P.I. 292/2002) were issued.

Also, the Department developed further the Database of Chemical Products, which was established during 2001. Into this Database, information related to the chemical products that are manufactured, imported or circulated in the Cyprus market is kept in electronic form. It is expected that with the systematic maintenance of the above Database, the Department of Labour Inspection and other competent services will have at their disposal very useful information for the protection of the health of citizens and the presentation of the environment.

In parallel, the Department of Labour Inspection participated, together with representatives from the competent authorities of the under accession

countries, to the meetings of the competent authorities of the European Union for issues related to the assessment of risks from existing and new substances and the implementation of the European Acquis for the classification, packaging and labelling of dangerous substances and preparations. These meetings take place every six months in the country presiding the European Union and during these meetings the future European policy on issues of dangerous substances is formulated.

#### **4. OCCUPATIONAL HEALTH AND SAFETY TRAINING CENTRE**

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

- a) Organization of training and vocational programmes, seminars and lectures,
- b) Organization of the Annual Campaign on the Prevention of Work Accidents and Occupational Diseases, and
- c) Development, printing and distribution of information material aiming at the awareness of interested parties.

The activities of the Occupational Health and Safety Training Centre for 2002 are described as follows:

##### **4.1. Training programmes**

During 2002, the training programmes organized by the Training Centre are included in the following three categories:

- (a) Training programmes addressed to:
  - ## Safety Officers,
  - ## Members of Safety Committees (in collaboration with Trade Unions),
  - ## Officers / employees of organizations,
  - ## Apprentices of the Cyprus Productivity Centre, and
  - ## Officers of the employers and workers organizations.

(b) Lectures on safety and health at work issues delivered by Officers of the Department of Labour Inspection.

(c) Seminars:

## Co-organized with other organizations, and

## Organization of the Pancyprian Conference for Safety and Health at Work within the frame of the activities for the Safety and Health at Work Week.

The Table that follows shows the details of the training programmes during 2002.

Type of Training Programme	Number of Programmes	Number of persons trained	Training volume in person hours (Number of Trained persons X Programme hours)
Training Programmes	23	650	5.983
Lectures	20	708	2.638
Seminars	6	438	2.070
<b>Total</b>	<b>49</b>	<b>1.796</b>	<b>10.691</b>

#### **4.2. Annual Campaign on the Prevention of Labour Accidents and Occupational Diseases**

Within the framework of the above Campaign, by decision of the Pancyprian Safety and Health Council, the Safety and Health at Work Week 2002 was organized between 14 and 18 of October and the theme adopted was «Safety and Health in the Services Sector - Protection of Health from stress», which was the theme of the European Safety and Health at Work Week.

On the 14<sup>th</sup> of October 2002, the Pancyprian Conference for Safety and Health at Work was organized which included the inaugural ceremony and the informative part. The Director and Officers of the Department of Labour Inspection delivered presentations. During the inaugural ceremony, the Safety Awards for 2002 were presented in the following industry sectors as well as the opening of the competitions for the 2003 Safety Awards.

1. Chemical Industry and Oil By-product Industry,
2. Woodworking Industry,
3. Construction Industry, and
4. Quarrying Industry.

During the Safety and Health at Work Week, Labour Inspection Officers and Labour Inspectors of the Department of Labour Inspection implemented a special schedule that consisted of visits at workplaces, participation to meetings of Safety Committees, discussion with employees and distribution of information material.

The following Table shows the data related to the activities during the Safety Week 2002 per District.

<b>District</b>	<b>Number of Visits</b>	<b>Number of Participants</b>
Nicosia	54	2.235
Limassol	40	3.484
Larnaca / Famagusta	42	1.197
Paphos	16	775
<b>Total</b>	<b>152</b>	<b>7.691</b>

Furthermore within the framework of the Campaign for the Prevention of Work Accidents and Occupational Diseases, radio and TV messages were transmitted and TV stations broadcasted short duration films. In addition, Officers of the Department gave interviews and participated in awareness programmes of the radio and television mass media.

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

#### **4.3. Participation of the Department of Labour Inspection in the 27<sup>th</sup> International State Fair**

Within the framework of the Annual Awareness Campaign for Safety and Health at Work, the Department of Labour Inspection participated in the 27<sup>th</sup> International State Fair with own exhibition area, aiming at promoting both its activities and information material that it develops, as well as at the widest possible information dissemination to the employers, the workers and the public in general on issues of Safety and Health at Work and the Control of Industrial Pollution. It is estimated that the above exhibition area was visited by approximately 5.000 persons, which received relevant information. Within the framework of the above participation, a reception was organized on the 29<sup>th</sup> of May 2002 at the exhibition Kiosk which was complimented with the presence of the Minister of Labour and Social Insurance.

#### **4.4. Publications**

During 2002, informative material on the following issues was re-published:

- ☞ Guarding of Machinery
- ☞ Risks and protective measures on the fitting of tyres
- ☞ Safety in Construction works (Risks from falls)
- ☞ Fork Lift Vehicles
- ☞ Safety Instructions in Construction Works
- ☞ Safety at Work Labelling
- ☞ Noise as your Work
- ☞ Safety Organization - Safety Committees

Also a new leaflet on «Guide for the Plan on Safety and Health in Construction Projects» was published.

Furthermore, a number of posters was reprinted.

## **5. INDUSTRIAL POLLUTION CONTROL SECTOR**

The policy of the Department of Labour Inspection in the sector of Industrial Pollution Control has, as main objective, the prevention, the reduction and the control of pollution, which arises from industrial installations, so that the best possible protection of the health and welfare of the citizens and the protection of the environmental of the Republic is safeguarded.

The achievement of this objective is materialized through the effective implementation of specific legislation for the control of industrial pollution, on the basis of which an integrated system of prevention and control has been established that includes the licensing of industrial installations, the systematic monitoring of their operation with on site inspections as well as the continuous monitoring and assessment of ambient air quality.

The responsibility of the sector is focused on the control of atmospheric pollution for which the Department of Labour Inspection has the exclusive authority. For other issues of industrial pollution control such as liquid and solid industrial wastes, there is close co-operation with other co-authoritative services.

### **5.1. Control of Industrial Emissions**

During 2002, within the implementation framework of the provisions of the Atmospheric Pollution Control Law and the Water Pollution Control Law that refer to the licensing 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 55 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, 25 Process Registration Certificates (Air Emission Permits) were granted by the Minister of Labour and Social Insurance and 30 Discharge Licenses were granted by the Minister of Agriculture, Natural Resources and Environment.

Within the framework of the implementation of legislation, particular importance has been given to checking for compliance, of the operating

conditions and of the emission limits, specified in the licenses. For this purpose, the inspections and environmental measurements programme was continued during 2002. Priority was given to the monitoring, on a systematic basis, of those industrial installations, which by the nature of their processes and location, are likely to cause higher adverse impact to the health of the public and to the environment. Already the large industrial installations have proceeded to the installation of systems for the pollution reduction at the emission sources and as a result the adverse implications on the environment from their operation has been considerably reduced.

During the year 2002, 104 inspections were carried out by the Inspectors of the Department in order to verify compliance. In addition, 16 inspections were carried out for the investigation of public complaints related to the operation of neighbouring factories.

During the year 2002, and according to the provisions of the Atmospheric Pollution Control Law, Improvement Notices and, as consequence, Prohibition Notices were issued in two occasions of inappropriate operation of asphalt mixing plants. No Notices were issued in the year 2001.

The Mobile Monitoring Unit of the Department of Labour Inspection, which is appropriately equipped with specialised instruments, periodically monitored emissions from large-scale industrial installations. Specifically, 7 sets of emission measurements from a corresponding number of factories were carried out in order to verify the compliance with the emission limits set on the relevant Process Registration Certificates.

The monitoring of the operation of large-scale industrial installations was also achieved by competent Inspectors through a data validation and control of the air emission values obtained from instruments installed at the stacks of the aforementioned installations. The establishment, by large-scale industrial installations, of a continuous emission-monitoring programme (self-monitoring) is set as a requirement on the relevant Air Emission Permits. In the case where the implementation of an air emission self-monitoring programme is set as a

requirement on the relevant Permits, the Inspectors of the Department of Labour Inspection have the right to have access to the obtained environmental data.

## 5.2. Annual National Air Pollutant Emissions

The Department of Labour Inspection, acting as the national focal point for the Convention of Long-Range Transboundary Air Pollution, took actively part during 2002 in the Convention's activities and its Protocols. Within this framework, the annual emissions of the air pollutants of Cyprus were estimated for the year 2001 and were forwarded to the Executive Body of the Convention. The data referred to above, are included in the relative reports published by the Executive Body of the Convention.

In the following Table the annual national air pollutant emissions for the year 2001 are shown in detail per category.

**Table 1: Annual Emissions of Air Pollutants for the year 2001 (k tonnes/yr)**

<b>Activity</b>	<b>SO<sub>2</sub></b>	<b>NO<sub>x</sub></b>	<b>NH<sub>3</sub></b>	<b>VOC</b>	<b>CO</b>	<b>Pb</b>
Industrial Combustion	30,8	5,1	---	1,1	0,45	0,001
Non – Industrial Combustion	2,5	0,27	---	0,3	0,11	
Combustion in the Construction Industry	5,4	1,78	---	2,4	1,35	
Transportation	7,3	10,00	---	10,1	82,10	0,058
Other sources of Combustion	0,3	---	---	---	---	---
Agriculture	0,8	0,33	8,55	---	0,02	---
<b>Total Emissions</b>	<b>47,1</b>	<b>17,48</b>	<b>8,55</b>	<b>13,9</b>	<b>84,03</b>	<b>0,059</b>

The total amount of emissions of Sulphur Dioxide (SO<sub>2</sub>) are expected to decrease progressively as the consumption of diesel with lower sulphur concentration is promoted. The total emissions of Nitrogen Oxides (NO<sub>x</sub>) and Volatile Organic Compounds (VOC) are also expected to decrease, as the number of cars using catalytic converters increases. The cars using catalytic converters emit gases with lower concentrations of Nitrogen Oxides and Volatile Organic Compounds. The emissions of Volatile Organic Compounds (VOC) are expected to further decrease with the installation of vapour recovery systems at

the terminals of the oil companies and with the installation of proper systems of vapour collection at the petrol stations. With reference to lead (Pb) emissions it is noted that these emissions have decreased gradually during the last few years as the consumption of the unleaded petrol in cars increases. During 2001, lead emissions decreased at 59 tonnes from 74 tonnes, which were during 2000.

### **5.3 Ambient Air Quality Monitoring**

The Department of Labour Inspection continued during the 2002 the measurements of ambient air quality of Cyprus, which are uninterruptedly being carried out since 1991. These measurements are effected using four Mobile Units, fully equipped with automatic real time monitoring instruments for continuous measurements of the following air pollutants:

- ☞ Nitrogen Oxide, Dioxide and Oxides (NO, NO<sub>2</sub>, NO<sub>x</sub>)
- ☞ Ozone (O<sub>3</sub>)
- ☞ Sulphur Dioxide (SO<sub>2</sub>)
- ☞ Carbon Monoxide (CO)
- ☞ Suspended Particles (PM), and
- ☞ Lead (Pb)

Furthermore, 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).

During 2002, measurements for the quality of the ambient air were carried out on a systematic basis in the following locations:

- (a) Yard of the Nicosia General Hospital
- (b) Yard of the Meteorological Station at Athalassa

- (c) Area of the NEMITSAS LTD foundry, Limassol
- (d) Basilikos Area, Zygi
- (e) Agias Marinas Xyliatou Area.

The results of the measurements of the main ambient air pollutants in the above mentioned locations (urban, industrial, rural) shows that their concentrations are below the prescribed Ambient Air Quality Limits of Cyprus. Relevant measurement reports, referring to the Cyprus ambient air quality, are published periodically.

### **Preliminary Assessment of the Ambient Air Quality**

The Department of Labour Inspection in cooperation with the University of Stuttgart of the Federal Republic of Germany continued the implementation of a bi - communal programme for the preliminary assessment of the Ambient Air Quality in Cyprus. This programme, which is of two years duration, started on December of 2001 and is financed by the United Nations Office for Projects Services – U.N.O.P.S.

The main objectives of the programme are:

- €# The preliminary assessment of the Ambient Air Quality and the design of air pollution zones in Cyprus in accordance with the European Union framework Directive 96/62/EC on ambient air quality assessment and management.
- €# The provision of assistance to Cyprus to optimise the ambient air quality monitoring stations network in order to fully comply with the relevant European Union Directives.
- €# The collection of the required information for the formulation of a national policy on the management of ambient air quality in Cyprus, including the design of programmes to comply with the emissions limits and other requirements of the European Union.
- €# The provision of information and raising of public awareness on the issues related to urban and rural air pollution.

Within the framework of the implementation of the programme mentioned above and for investigation purposes of the spatial distribution of the pollutants, measurements were carried out for Nitrogen Dioxide (NO<sub>2</sub>), Sulphur Dioxide (SO<sub>2</sub>), Volatile Organic Compounds (VOC), and Ozone (O<sub>3</sub>), with the assistance of special passive samplers, in totally 250 points all over Cyprus (200 points in the area controlled by the Republic of Cyprus and 50 points in the occupied by the Turkish troops area).

Furthermore, for the investigation of the fluctuation of the various pollutants as a function of time, measurements were carried out on a continuous basis for monitoring of the quality of ambient air in various points in urban, agricultural and forestry areas of Cyprus with the assistance of Mobile Stations. These stations are fully equipped with automatic instruments for continuous measurement of the concentration of Nitrogen Oxide and Nitrogen Dioxide (NO / NO<sub>2</sub>), Sulphur dioxide (SO<sub>2</sub>), Ozone (O<sub>3</sub>), Carbon Monoxide (CO), breathable particles with aerodynamic diameter less than 10 microns (µm) (Particulate Matter – PM<sub>10</sub>) and the meteorological parameters of the wind direction (WD), the wind speed (WS), the temperature (T), and the relative humidity (RH).

In addition to the Ozone measurements that were carried out at the Background Air Pollution Measurement Station of Agia Marina Xyliatou, continuous measurements for ozone and nitrogen oxides (NO/NO<sub>2</sub>) with automatic instruments at the top of the Olympos Mountain, at Pentadaktylos and at the Stavrovouni area were carried out. The above measurements will significantly assist the study of the mechanism of the ozone formation and its spatial distribution all over Cyprus. This study will help in the development of a strategy for the ozone confrontation so that unfavourable consequences for the agriculture and the forests are decreased.

Additional measurements with automatic samplers and chemical analyses in laboratories were carried out for the benzene and other Volatile Organic Compounds in all towns of Cyprus.

With regards to the breathable suspended particles ( $PM_{10}$ ) measurements were carried out in 29 points all over the island.

As these fine particles are very hazardous for the human health, in the framework of the above mentioned programme, for the first time in Cyprus measurements were carried out for suspended particles with aerodynamic diameter lower than 2,5 microns ( $PM_{2,5}$ ) in seven locations.

#### **5.4. Programmes with the European Union**

In the framework of the implementation of the harmonised legislation in the industrial pollution control sector and the necessary upgrading of the required pollution monitoring mechanisms, the Department of Labour Inspection submitted in the year 2002 a proposal for financing a Project with title «Monitoring System of Ambient Air Pollution in Cyprus» from the pre - accession assistance funds of the European Union.

The aim of the Project is the installation at the Department of Labour Inspection of a central monitoring system of the ambient air quality and of the emissions of the industrial installations, with the objective to achieve full harmonisation and implementation of the European environmental acquis.

Within the framework of this Project, the Department will be supplied with three additional mobile stations fully equipped for the measurement of the pollutants in ambient air. Furthermore, a central software system will be installed at the Department for collecting the measurements from the three new mobile stations, the existing mobile stations, the mobile stations of the Electricity Authority of Cyprus, as well as the measurements from the gas emissions of the industrial installations, which are being carried out on a continuous basis by the automatic analysers that are installed at the stacks of large industrial installations.

#### **5.5. Harmonisation with the Acquis Communautaires**

In 2002, within the framework of the process of harmonising the Cyprus legislation to the European Union Acquis, the Department of Labour Inspection

transposed into the Cyprus legislation all the relevant European Directives on issues related to the area of the control of atmospheric pollution and ambient air quality.

A brief summary of the specific legislation adopted by the House of Representatives and published in the Official Gazette is presented below.

#### **5.5.1. Atmospheric Pollution Control**

A new Law entitled «The Control of Atmospheric Pollution Law of 2002» was adopted with enforcement date the 1.11.2002 replacing «The Control of Atmospheric Pollution Law of 1991». The new Law is the framework legislation in the area of atmospheric pollution control, and provides for the obligation of the industrial installations to obtain an Air Emission Permit.

In accordance with the provisions of the aforementioned framework Law, various series of Regulations were issued in order to fully harmonise the Cyprus legislation with the provisions of specific Directives of the European Union, which regulate issues regarding the operating conditions, air emission limits and other obligations that apply to specific categories of industrial installations. For this reason, the following Regulations were issued:

- €# The Control of Atmospheric Pollution (Incineration of Hazardous Wastes) Regulations of 2002.
  
- €# The Control of Atmospheric Pollution (Prevention and Reduction of Atmospheric Pollution by Asbestos) Regulations of 2002.
  
- €# The Control of Atmospheric Pollution (Incineration of Waste Oils) Regulations of 2002.
  
- €# The Control of Atmospheric Pollution (Limitation and Control of Atmospheric Pollution caused by Waste from Titanium Dioxide Industry) Regulations of 2002.

# The Control of Atmospheric Pollution (Procedures for the Surveillance and Monitoring of Environments concerned by Waste from Titanium Dioxide Industry) Regulations of 2002.

The harmonisation with the European Acquis in the industrial pollution control sector will be completed with the introduction of new legislation concerning the large-scale industrial installations, which secures high standards of protection to the environment covering a complete spectrum of environmental aspects (air, water, soil). Towards this direction a draft law, entitled «The Integrated Pollution Prevention and Control Law of 2002», was prepared in co-operation with the Ministry of Agriculture, Natural Resources and the Environment. The draft law introduces the concept of integrated pollution prevention and control, which provides for taking all the appropriate and precautionary pollution-reduction measures with the use of the Best Available Techniques and the rationale use of energy and raw materials.

#### **5.5.2. Ambient Air Quality**

In view of the new approach and philosophy introduced by the European Union in the area of the quality assessment and management of the ambient air quality, the introduction of a new, independent and autonomous legislation was deemed necessary. The aforementioned legislation takes into account not only the pollution arising from industrial sources, but also the pollution from other sources (vehicles, central heating, aircrafts and ships) including also the **natural** sources of pollution.

Within the framework of updating the Cyprus legislation and its harmonisation with the European Union Acquis, a new Law entitled «The Air Quality Law of 2002» was adopted with enforcement date the 1.11.2002. Based on the aforementioned Law, a number of Regulations were issued in order to fully harmonise the Cyprus legislation with the provisions of specialised European Directives, which set the limit values of specific ambient air pollutants. For this reason, the following Regulations were issued:

€# The Air Quality (Limit Values of Sulphur Dioxide, Nitrogen Dioxide and Nitrogen Oxides, Particulate Matter and Lead in Ambient Air) Regulations of 2002.

€# The Air Quality (Limit Values of Benzene and Carbon Monoxide in Ambient Air) Regulations of 2002.

€# The Air Quality (Air Pollution by Ozone) Regulations of 2002.

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

The main objective of the Radiation Protection, Radioactive Waste Management and Nuclear Safety Sector is to secure adequate levels of protection of the workers, the public, the patients and the environment from the risks due to exposure to ionising radiation. This activity is new for the Department of Labour Inspection and fills the gap that has been existed in Cyprus in this Sector. The materialization of the above objective is achieved with the implementation of the relevant legislation through the Radiation Control and Inspection Service of the Department of Labour Inspection, the monitoring of environmental radioactivity levels and the preparation for the avoidance and confrontation of emergencies from radiological accidents, in co-operation with other services or agencies as well as with all parties concerned.

### **6.1 Legislation for protection against risks from ionising radiation**

During 2002, the development of the legal framework was promoted and the establishment of a comprehensive system for radiation protection was effected, which covers the workers and the public as well as the persons exposed to ionising radiation for medical purposes.

The House of Representatives adopted the Protection from Ionising Radiation Law of 2002, which came into force on 12.7.2002. On the basis of this Law, the Council of Ministers approved and the House of Representatives adopted the following Regulations, which came into force on 25.10.2002:

- ☞ The Protection from Ionising Radiation (Basic Principles) Regulations of 2002.
- ☞ The Protection from Ionising Radiation (Medical Exposure) Regulations of 2002.
- ☞ The Protection from Ionising Radiation (Informing the Public about Measures to be applied in case of Emergency) Regulations of 2002.
- ☞ The Protection from Ionising Radiation (Supervision and Control of Shipments of Radioactive Wastes) Regulations of 2002.

Accordingly of the above Law, the Minister of Labour and Social Insurance is responsible for the administration of the Law and the Radiation Control and an Inspection Service is established within the Department of Labour Inspection for the application of the legislation. Also, on the basis of the Law, the general framework of obligations and procedures for the protection from ionising radiation is defined, the Radiation Protection Committee is established as an advisory instrument and the Council of Ministers is empowered to issue Regulations.

The above legislation is fully harmonized to the corresponding European Acquis as well as to the standards and Regulations of the International Atomic Energy Agency (IAEA), where Cyprus is a member since 1965.

## **6.2. Inventory of Ionising Radiation Sources**

Within the framework of implementing the IAEA Model Project for Cyprus, the Department of Labour Inspection prepared the Inventory of Ionising Radiation Sources that exist in Cyprus.

This Inventory is kept by the Radiation Control and Inspection Service of the Department of Labour Inspection, in line with the provisions of the legislation, which impose the obligation on the users of ionising radiation to

submit a declaration and obtain a license for the possession of sources or the conduct of activities involving the use of ionising radiation.

### **6.3. Implementation of the IAEA Model Project for Cyprus**

The Department of Labour Inspection, by decision of the Council of Ministers, continued the implementation of the IAEA Model Project, which aims at the establishment of a comprehensive radiation protection system, radioactive waste management and nuclear safety as well as at the improvement of the related infrastructure and capabilities of Cyprus.

In implementing this project, IAEA experts visited Cyprus and advised the Government on various related issues, personnel from various Ministers was trained by IAEA on related subjects and a number of IAEA meetings and seminars, were organised in Cyprus.

Also, additional equipment, which is necessary for the application of legislation and the better protection from ionising radiation, was secured through the Government Budget and through assistance offered by IAEA.

## **7. CONTROL OF RISKS FROM MAJOR ACCIDENTS SECTOR**

The Sector on the Control of Risks from Major Accidents implements the Control of Major Accidents Hazards Related to 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 aforementioned Regulations harmonise Cyprus legislation with the provisions of the Directive 96/82/EC of the European Union (SEVESO II) except with the provisions related to the use of land and the external emergency plans for which the respective authority lies with the Department of Housing and Town Planning and the Civil Defense Services.

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

The major accidents comprise the most serious form of accidents due to the dreadful consequences, which they may have 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.

During 2002 inspections were carried out on most of the installations, which fall within the provisions of the above legislation. During these inspections, the basic provisions of the legislation were explained to the operators and their duties were pointed out as they arise from the legislation. Also, in relation to the notification, which the Regulations anticipate, an explanatory guide has been prepared.

Also, the Department of Labour Inspection, as the component authority for the implementation of Directive 96/82/EC, was invited and participated, along with representatives of other competent authorities of the accession countries to the European Union, at the meetings of the competent authorities of the member states of the European Union on issues of implementation of the Directive 96/82/EC. These meetings take place every 6 months at the country presiding the European Union and at these meetings various issues related to the implementation of the Directive are discussed and the future policy is decided.

## **8. PARTICIPATION OF THE DEPARTMENT OF LABOUR INSPECTION TO COMMITTEES OF THE EUROPEAN UNION AND TO OTHER INTERNATIONAL ORGANISATIONS**

During the year under review, the Department was represented by its Officers at the following Committees and Organisations of the European Union as well as at the following International Organisations:

### **8.1. Committee of Senior Labour Inspectors of the European Union.**

This Committee, which has been established with the Decision no. 95/313/EC, convenes twice per year and examines issues of co-

ordination and uniformity of inspections in all member states. Cyprus participates with the status of observer.

8.2. European Agency for Safety and Health at Work.

This Agency was established on the basis of European Regulation no. 2062/94 and deals with information on issues of Safety and Health at Work. The Department of Labour Inspection is the Cyprus focal point to this Agency and participates in the meetings organised by the Agency for the focal points of the European Union Accession Countries.

8.3. Competent Authorities Committee for the implementation of Directive no. 96/82/EEC on Major Accidents.

This Committee convenes twice per year and examines issues of better and uniform policy for the implementation of the provisions of Directive no. 96/82/EEC.

Cyprus participates to this Committee with the status of observer.

8.4. Competent Authorities Committee on Dangerous Substances for the implementation of the provisions of Directive no 67/548/EEC.

This Committee convenes twice per year and examines issues of better implementation of the provisions of the Directive on the classification, packaging and labelling of dangerous substances. Cyprus participates to this Committee with the status of observer.

8.5. AC IMPEL Network

The AC IMPEL network is the body that formulates uniform policies on the inspections for the implementation of environmental legislation and the control on the environmental performance of industrial installations of the European Union Accession Countries.

The AC IMPEL network operates similarly to the IMPEL network that applies to the European Union member states.

- 8.6. Executive body of the International Convention of the United Nations Economic Committee for Europe on the Control of the Long-range Transboundary Air Pollution.

The Executive Body of the Convention, to which Cyprus is a member since 1992, convenes once every year and decides on the implementation policy of the provisions of the Convention.

- 8.7. Steering Body of the EMEP Protocol (European Monitoring and Evaluation Programme) to the Convention on the Control of the Long-range Transboundary Air Pollution for the Monitoring and Assessment of Transboundary Pollution in Europe.

The Steering Body of the EMEP Protocol, of which Cyprus is a member since 1992, convenes once per year and decides on the programme which will be followed in relation to the monitoring and assessment of the transboundary air pollution.

- 8.8. General Conference of the International Atomic Energy Agency (IAEA) of the United Nations.

The General Conference of IAEA, of which Cyprus is a member, convenes once per year and examines issues of prescribing policy and the implementation of the provisions of its Constitution.

- 8.9. EUROSTAT Committee for the codification of Work Accidents.

This Committee convenes once per year and examines various issues, which arise in the codification of work accidents on the basis of specific codes and methods, so that the comparison of accidents at the member

states of the European Union and the accession countries becomes possible. Cyprus participates to this Committee with the status of observer.

8.10. Second meeting at Vienna, which took place in April 2002, for the implementation of IAEA Convention on Nuclear Safety that Cyprus has ratified. At this meeting the first report, which was submitted by Cyprus on the basis of this Convention, was presented and discussed.

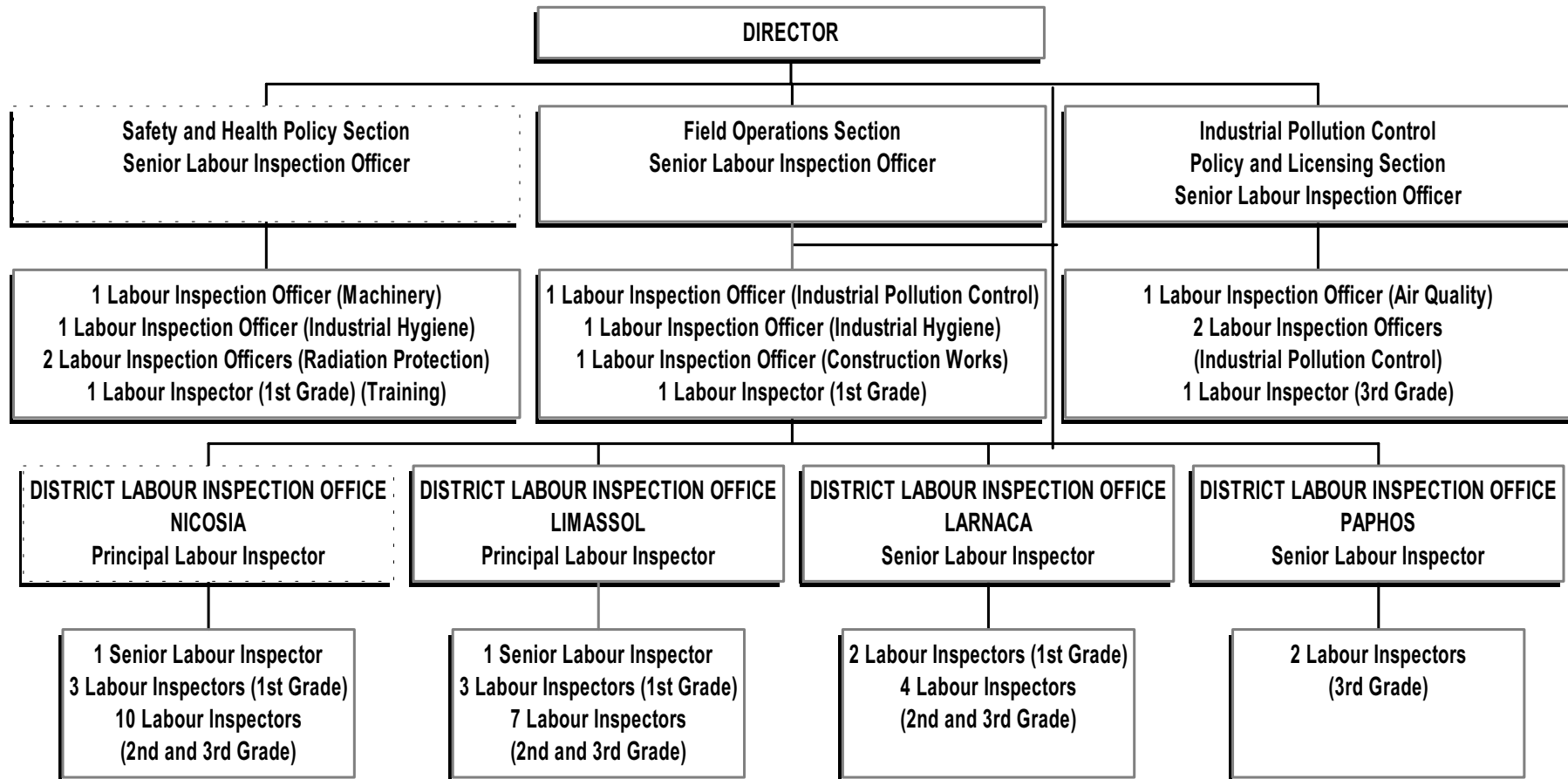
8.11. Annual meeting of the member states of the European Union for the ECURIE system at Luxembourg during April 2002 at which the accession countries are also invited to participate.

## **9. TRAINING SEMINARS / VISITS**

During 2002, Officers of the Department of Labour Inspection attended the following seminars and participated in the following training visits:

1. Two Officers of the Department attended at Rome a two-day training seminar on the issue of Stress, which was organised within the framework of the Swedish Programme «Work Life and European Enlargement».
2. Two Labour Inspectors participated in a training visit on issues of general inspection of two weeks duration at the Safety and Health Authority of Ireland at Dublin.
3. One Officer of the Department participated in a training visit of two weeks duration on issues of implementation of the European Directive on Mobile Construction Sites at the Safety and Health Authority of Ireland at Dublin.
4. One Officer of the Department participated, through the International Atomic Energy Organisation, at a two week seminar on issues of Preparation for the confrontation of radiological accidents at Riga of Lettonia between 7 and 18 of October 2002.

### APPENDIX I – Organisational Structure of the Department of Labour Inspection



**APPENDIX II – List of Legislation for which the Department of Labour  
Inspection has Authority**

<b>Pos</b>	<b>Document Title</b>	<b>Code Number</b>
1.	The Safety and Health at Work Law of 1996	N. 89(I)/1996
2.	The Safety and Health at Work Notification of 1997	P.I. 39/97
3.	The Safety and Health at Work (Amendment) Law of 2001	Law 158(I)/2001
4.	The Safety and Health at Work (Amendment) Law of 2002	Law 25(I)/2002
5.	The Safety Committees at Work Regulations of 1997	P.I. 134/97
6.	The Safety Committees at the Workplaces Order of 1988	P.I. 267/88
7.	The Safety Committees at the Workplaces Order of 1992	P.I. 296/92
8.	The Safety Committees at the Workplaces Order of 1994	P.I. 52/94
9.	The Safety Committees at the Workplaces Order of 1994	P.I. 310/94
10.	The Safety Committees at the Workplaces Order of 1995	P.I. 201/95
11.	The Safety Committees at the Workplaces Order of 1996	P.I. 26/96
12.	The Minimum Requirements for Safety and Health Signs at Work Regulations of 2000	P.I. 212/2000
13.	The Safety and Health at Work (Biological Agents) Regulations of 2001	P.I. 144/2001
14.	The Safety and Health at Work (Carcinogenic and Mutagenic Agents) Regulations of 2001	P.I. 153/2001
15.	The Safety and Health at Work (Manual Handling of Loads) Regulations of 2001	P.I. 267/2001
16.	The Safety and Health at Work (Chemical Agents) Regulations of 2001	P.I. 268/2001
17.	The Minimum Requirements for Safety and Health (Use of Work Equipment at Work) Regulations of 2001	P.I. 444/2001
18.	The Minimum Requirements for Safety and Health at Work with Visual Display Screen Equipment Regulations of 2001	P.I. 455/2001
19.	The Minimum Requirements for Safety and Health (Use of Personal Protective Equipment at Work) Regulations of 2001	P.I. 470/2001
20.	The Control of Major Accidents Hazards Related to Dangerous Substances Regulations of 2001	P.I. 507/2001
21.	The Control of Major Accidents Hazards Related to Dangerous Substances Notification of 2002	P.I. 211/2002
22.	The Safety and Health (Minimum Requirements for Temporary or Mobile Construction Sites) Regulations of 2002	P.I. 172/2002
23.	The Management of Safety and Health Issues at Work Regulations of 2002	P.I. 173/2002
24.	The Minimum Requirements for Safety and Health at the Workplace Regulations of 2002	P.I. 174/2002
25.	The Safety and Health at work of workers with fixed-duration employment or temporary employment Regulations of 2002	P.I. 184/2002
26.	The Safety and Health at Work (Protection from Noise) Regulations of 2002	P.I. 230/2002
27.	The Minimum Requirements for Safety and Health at Work (Extractive Industries Through Drilling) Regulations of 2002	P.I. 274/2002

Pos	Document Title	Code Number
28.	The Minimum Requirements for Safety and Health at Work (Surface and Underground Extractive Industries) Regulations of 2002	P.I. 275/2002
29.	The Safety and Health at Work (Minimum Requirements for the Protection of Persons at Work from Risks from Explosive Atmospheres) Regulations of 2002	P.I. 291/2002
30.	The Factories Law of 1957	Cap. 134
31.	The Factories (Amendment) Law of 1964	Law 43/64
32.	The Factories (Amendment) Law of 1972	Law 32/72
33.	The Factories (Amendment) Law of 1982	Law 22/82
34.	The Factories (Amendment) Law of 1989	Law 25/89
35.	The Factories (Amendment) Law of 1990	Law 20/90
36.	The Factories (Amendment) Law of 1991	Law 220/91
37.	The Factories (Amendment) Law of 1996	Law 90(I)/96
38.	The Factories (First-Aid) Order of 1957	P.I. 375/57
39.	The Factories (Manner of Preparing Boilers when Cold) Order of 1957	P.I. ---/57
40.	The Factories Order of 1972	P.I. ---/72
41.	The Factories Order of 1973	P.I. 162/73
42.	The Factories (Prescribed Fees) Order of 1997	P.I. 191/97
43.	The Standards for Health Provisions (in Factories) Regulations of 1973	P.I. 312/73
44.	The Standards for Health Provisions in Factories (Amendment) Regulations of 1981	P.I. 165/81
45.	The Standards for Health Provisions in Factories (Amendment) Regulations of 1986	P.I. 40/86
46.	The Control of Factory Atmosphere and Dangerous Substances in Factories Regulations of 1973	P.I. 311/73
47.	The Control of Factory Atmosphere and Dangerous Substances in Factories (Amendment) Regulations of 1981	P.I. 166/81
48.	The Control of Factory Atmosphere and Dangerous Substances in Factories (Amendment) Regulations of 1986	P.I. 41/86
49.	The Woodworking Machinery Regulations of 1973	P.I. 279/73
50.	The Woodworking Machinery (Amendment) Regulations of 1988	P.I. 311/83
51.	The Electricity in Factories Special Regulations of 1981	P.I. 315/81
52.	The Electricity in Factories Special (Amendment) Regulations of 1983	P.I. 84/83
53.	The Buildings and Works of Engineering Construction (Safety, Health and Welfare) Regulations of 1973	P.I. 161/73
54.	The Agricultural Works (Safety, Health and Welfare) Regulations of 1982	P.I. 271/82
55.	The Occupational Safety and Health in Dockwork Regulations of 1991	P.I. 349/91
56.	The Occupational Safety and Health in Dockwork (Medical Examinations) Order of 2002	P.I. 321/2002
57.	The Standards for Health Provisions in Factories (Amendment) Regulations of 2002	P.I. 225/2002

Pos	Document Title	Code Number
58.	The Asbestos (Safety and Health of Persons at Work) Law of 1993	Law 23(I)/93
59.	The Asbestos (Safety and Health of Persons at Work) (Amendment) Law of 2000	Law 47(I)/2000
60.	The Asbestos (Safety and Health of Persons at Work) Regulations of 1993	P.I. 272/93
61.	The Asbestos (Safety and Health of Persons at Work) (Amendment) Regulations of 2000	P.I. 104/2000
62.	The Accidents and Occupational Diseases (Notification) Law of 1953	Cap.176
63.	The Accidents and Occupational Diseases (Notification) (Dangerous Occurrences) Order of 1953	
64.	The Protection of Young Persons at Work Law of 2001	Law 48( )/2001
65.	The Hours of Employment Law as amended	Cap. 182
66.	The Minimum Wage Law of 1941 as amended	Cap. 183
67.	The Shop Assistants Law of 1942 as amended	Cap. 185
68.	The Summer Afternoon Recess Law of 1938 as amended	Cap. 186
69.	The Domestic Servants (Employment of Children and Young Persons) Law of 1952 as amended	Cap. 179
70.	The Motor Vehicles (Drivers Hours of Employment) Regulations of 1980	
71.	The Maternity Protection Law of 1997	Law 100(I)/97
72.	The Maternity Protection (Amendment) Law of 2000	Law 45( )/2000
73.	The Maternity Protection (Amendment) Law of 2002	Law 64(I)/2002
74.	The Maternity Protection (Safety and Health at Work) Regulations of 2002	P.I. 255/2002
75.	The Control of Atmospheric Pollution Law of 2002	Law 187(I)/2002
76.	The Control of Atmospheric Pollution (Limitation and Control of Atmospheric Pollution caused by Waste from Titanium Dioxide Industry) Regulations of 2002	P.I. 527/2002
77.	The Control of Atmospheric Pollution (Prevention and Reduction of Atmospheric Pollution by Asbestos) Regulations of 2002	P.I. 528/2002
78.	The Control of Atmospheric Pollution (Incineration of Waste Oils) Regulations of 2002	P.I. 529/2002
79.	The Control of Atmospheric Pollution (Procedures for the Surveillance and Monitoring of Environments concerned by Waste from Titanium Dioxide Industry) Regulations of 2002	P.I. 545/2002
80.	The Air Quality Law of 2002	Law 188(I)/2002
81.	The Air Quality (Limit Values for Benzene and Carbon Monoxide in Ambient Air) Regulations of 2002	P.I. 516/2002
82.	The Air Quality (Air Pollution by Ozone) Regulations of 2002	P.I. 530/2002
83.	The Air Quality (Limit Values for Sulphur Dioxide, Nitrogen Dioxide and Nitrogen Oxides, Particulate Matter and Lead in Ambient Air) Regulations of 2002	P.I. 574/2002
84.	The Control of Atmospheric Pollution (Control of Volatile Organic Compounds Emissions Resulting from the Storage of Petrol and its Distribution from Terminals to Service Stations) Regulations of 2003	P.I. 76/2003

Pos	Document Title	Code Number
85.	The Dangerous Substances Law of 1991	Law 199/91
86.	The Dangerous Substances (Amendment) Law of 1997	Law 27( )/97
87.	The Dangerous Substances (Amendment) Law of 2002	Law 81(l)/2002
88.	The Dangerous Substances (Classification, Packaging and Labelling of Dangerous Substances and Preparations) Regulations of 2002	P.I. 292/2002
89.	The Mines and Quarries (Safety Organisation) Regulations of 1973	P.I. ---/73
90.	The Protection from Ionising Radiation Law of 2002	Law 115(l)/2002
91.	The Protection from Ionising Radiation (Basic Principles) Regulations of 2002	P.I. 494/2002
92.	The Protection from Ionising Radiation (Informing the Public about Measures to be applied in Case of Emergency) Regulations of 2002	P.I. 495/2002
93.	The Protection from Ionising Radiation (Supervision and Control of Shipments of Radioactive Wastes) Regulations of 2002	P.I. 496/2002
94.	The Protection from Ionising Radiation (Medical Exposure) Regulations of 2002	P.I. 497/2002

**APPENDIX III – Inspections of Undertakings for the Year 2002**

**TABLE**

No.	ECONOMIC ACTIVITY SECTOR	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	AGRICULTURE, LIVESTOCK AND FORESTRY	34	2,0%	39,1%	41	3,0%	47,1%	3	1,6%	3,4%	8	0,9%	9,2%	1	0,2%	1,1%	87	1,9%
2	FISHING	0	0,0%	0,0%	5	0,4%	83,3%	0	0,0%	0,0%	1	0,1%	16,7%	0	0,0%	0,0%	6	0,1%
3	MINING AND QUARRYING	10	0,6%	22,7%	12	0,9%	27,3%	2	1,1%	4,5%	13	1,5%	29,5%	7	1,6%	15,9%	44	1,0%
4	MANUFACTURING	696	41,8%	38,5%	498	35,9%	27,6%	83	44,4%	4,6%	365	41,3%	20,2%	165	37,1%	9,1%	1807	39,5%
5	ELECTRICITY, GAS AND WATER SUPPLY	4	0,2%	16,0%	14	1,0%	56,0%	0	0,0%	0,0%	7	0,8%	28,0%	0	0,0%	0,0%	25	0,5%
6	CONSTRUCTION	548	32,9%	32,1%	601	43,3%	35,2%	52	27,8%	3,0%	301	34,1%	17,6%	207	46,5%	12,1%	1709	37,4%
7	WHOLESALE AND RETAIL TRADE; REPAIR OF MOTOR VEHICLES, MOTORCYCLES AND PERSONAL AND HOUSEHOLD GOODS	190	11,4%	40,3%	91	6,6%	19,3%	12	6,4%	2,5%	137	15,5%	29,0%	42	9,4%	8,9%	472	10,3%
8	HOTELS AND RESTAURANTS	8	0,5%	11,4%	25	1,8%	35,7%	13	7,0%	18,6%	15	1,7%	21,4%	9	2,0%	12,9%	70	1,5%
9	TRANSPORT, STORAGE AND COMMUNICATION	18	1,1%	29,0%	23	1,7%	37,1%	4	2,1%	6,5%	17	1,9%	27,4%	0	0,0%	0,0%	62	1,4%
10	FINANCIAL INTERMEDIATION	5	0,3%	27,8%	12	0,9%	66,7%	0	0,0%	0,0%	1	0,1%	5,6%	0	0,0%	0,0%	18	0,4%
11	REAL ESTATE, RENTING AND BUSINESS ACTIVITIES	18	1,1%	78,3%	5	0,4%	21,7%	0	0,0%	0,0%	0	0,0%	0,0%	0	0,0%	0,0%	23	0,5%
12	PUBLIC ADMINISTRATION AND DEFENCE, COMPULSORY SOCIAL SECURITY	28	1,7%	38,9%	28	2,0%	38,9%	0	0,0%	0,0%	15	1,7%	20,8%	1	0,2%	1,4%	72	1,6%
13	EDUCATION	37	2,2%	92,5%	2	0,1%	5,0%	0	0,0%	0,0%	1	0,1%	2,5%	0	0,0%	0,0%	40	0,9%
14	HEALTH AND SOCIAL WORK	20	1,2%	76,9%	6	0,4%	23,1%	0	0,0%	0,0%	0	0,0%	0,0%	0	0,0%	0,0%	26	0,6%
15	OTHER COMMUNITY, SOCIAL AND PERSONAL ACTIVITIES	47	2,8%	44,3%	26	1,9%	24,5%	18	9,6%	17,0%	2	0,2%	1,9%	13	2,9%	12,3%	106	2,3%
16	PRIVATE HOUSEHOLDS WITH EMPLOYED PERSONS	0	0,0%	0%	0	0,0%	0%	0	0,0%	0%	0	0,0%	0%	0	0,0%	0%	0	0,0%
17	OTHER INDUSTRIAL ACTIVITIES	2	0,1%	100,0%	0	0,0%	0,0%	0	0,0%	0,0%	0	0,0%	0,0%	0	0,0%	0,0%	2	0,0%
18	EXTRA - TERRITORIAL 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%
<b>Total Inspections of Undertakings</b>		<b>1665</b>	<b>36,4%</b>		<b>1389</b>	<b>30,4%</b>		<b>187</b>	<b>4,1%</b>		<b>883</b>	<b>19,3</b>		<b>445</b>	<b>9,7%</b>		<b>4569</b>	
			<b>(4)</b>			<b>(4)</b>			<b>(4)</b>			<b>(4)</b>			<b>(4)</b>			

**Table Notes:**

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 IV – Registered Undertakings as on 31.12.2002**

**TABLE**

No.	ECONOMIC ACTIVITY SECTOR	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	AGRICULTURE, LIVESTOCK AND FORESTRY	154	3,09%	53,66%	70	2,67%	24,39%	8	1,00%	2,79%	32	2,06%	11,15%	23	2,73%	8,01%	287	2,66%
2	FISHING	0	0,00%	0,00%	5	0,19%	45,45%	0	0,00%	0,00%	5	0,32%	45,45%	1	0,12%	9,09%	11	0,10%
3	MINING AND QUARRYING	10	0,20%	22,22%	11	0,42%	24,44%	3	0,37%	6,67%	16	1,03%	35,56%	5	0,59%	11,11%	45	0,42%
4	MANUFACTURING	2654	53,20%	51,42%	1154	44,10%	22,36%	326	40,65%	6,32%	760	48,81%	14,73%	267	31,75%	5,17%	5161	47,76%
5	ELECTRICITY, GAS AND WATER SUPPLY	9	0,18%	27,27%	8	0,31%	24,24%	0	0,00%	0,00%	13	0,83%	39,39%	3	0,36%	9,09%	33	0,31%
6	CONSTRUCTION	604	12,11%	36,45%	567	21,67%	34,22%	69	8,60%	4,16%	194	12,46%	11,71%	223	26,52%	13,46%	1657	15,33%
7	WHOLESALE AND RETAIL TRADE; REPAIR OF MOTOR VEHICLES, MOTORCYCLES AND PERSONAL AND HOUSEHOLD GOODS	1129	22,63%	47,34%	530	20,25%	22,22%	185	23,07%	7,76%	348	22,35%	14,59%	193	22,95%	8,09%	2385	22,07%
8	HOTELS AND RESTAURANTS	32	0,64%	7,31%	85	3,25%	19,41%	166	20,70%	37,90%	83	5,33%	18,95%	72	8,56%	16,44%	438	4,05%
9	TRANSPORT, STORAGE AND COMMUNICATION	62	1,24%	40,52%	47	1,80%	30,72%	8	1,00%	5,23%	28	1,80%	18,30%	8	0,95%	5,23%	153	1,42%
10	FINANCIAL INTERMEDIATION	7	0,14%	31,82%	12	0,46%	54,55%	0	0,00%	0,00%	2	0,13%	9,09%	1	0,12%	4,55%	22	0,20%
11	REAL ESTATE, RENTING AND BUSINESS ACTIVITIES	62	1,24%	75,61%	12	0,46%	14,63%	2	0,25%	2,44%	2	0,13%	2,44%	4	0,48%	4,88%	82	0,76%
12	PUBLIC ADMINISTRATION AND DEFENCE, COMPULSORY SOCIAL SECURITY	55	1,10%	46,61%	27	1,03%	22,88%	3	0,37%	2,54%	26	1,67%	22,03%	7	0,83%	5,93%	118	1,09%
13	EDUCATION	42	0,84%	77,78%	7	0,27%	12,96%	2	0,25%	3,70%	2	0,13%	3,70%	1	0,12%	1,85%	54	0,50%
14	HEALTH AND SOCIAL WORK	26	0,52%	66,67%	5	0,19%	12,82%	2	0,25%	5,13%	1	0,06%	2,56%	5	0,59%	12,82%	39	0,36%
15	OTHER COMMUNITY, SOCIAL AND PERSONAL ACTIVITIES	142	2,85%	44,51%	77	2,94%	24,14%	28	3,49%	8,78%	44	2,83%	13,79%	28	3,33%	8,78%	319	2,95%
16	PRIVATE HOUSEHOLDS WITH EMPLOYED PERSONS	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%
17	OTHER INDUSTRIAL ACTIVITIES	1	0,02%	50,00%	0	0,00%	0,00%	0	0,00%	0,00%	1	0,06%	50,00%	0	0,00%	0,00%	2	0,02%
18	EXTRA - TERRITORIAL ORGANISATIONS AND BODIES	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%
<b>Total Registered Undertakings</b>		<b>4989</b>	<b>46,17%</b>		<b>2617</b>	<b>24,22%</b>		<b>802</b>	<b>7,42%</b>		<b>1557</b>	<b>14,41%</b>		<b>841</b>	<b>7,78%</b>		<b>10806</b>	
			<b>(4)</b>			<b>(4)</b>			<b>(4)</b>			<b>(4)</b>			<b>(4)</b>			

**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 – New Registered Undertakings for the Period between 1.1.2002 to 31.12.2002**

**TABLE**

No.	ECONOMIC ACTIVITY SECTOR	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	AGRICULTURE, LIVESTOCK AND FORESTRY	15	3,55%	30,00%	24	7,41%	48,00%	4	3,57%	8,00%	5	1,85%	10,00%	2	1,96%	4,00%	50	4,06%
2	FISHING	0	0,00%	0,00%	2	0,62%	100,0%	0	0,00%	0,00%	0	0,00%	0,00%	0	0,00%	0,00%	2	0,16%
3	MINING AND QUARRYING	2	0,47%	50,00%	1	0,31%	25,00%	0	0,00%	0,00%	1	0,37%	25,00%	0	0,00%	0,00%	4	0,32%
4	MANUFACTURING	65	15,40%	27,54%	63	19,44%	26,69%	16	14,29%	6,78%	68	25,09%	28,81%	24	23,53%	10,17%	236	19,17%
5	ELECTRICITY, GAS AND WATER SUPPLY	2	0,47%	66,67%	1	0,31%	33,33%	0	0,00%	0,00%	0	0,00%	0,00%	0	0,00%	0,00%	3	0,24%
6	CONSTRUCTION	181	42,89%	35,91%	147	45,37%	29,17%	35	31,25%	6,94%	91	33,58%	18,06%	50	49,02%	9,92%	504	40,94%
7	WHOLESALE AND RETAIL TRADE; REPAIR OF MOTOR VEHICLES, MOTORCYCLES AND PERSONAL AND HOUSEHOLD GOODS	77	18,25%	39,29%	39	12,04%	19,90%	9	8,04%	4,59%	55	20,30%	28,06%	16	15,69%	8,16%	196	15,92%
8	HOTELS AND RESTAURANTS	9	2,13%	13,43%	8	2,47%	11,94%	31	27,68%	46,27%	14	5,17%	20,90%	5	4,90%	7,46%	67	5,44%
9	TRANSPORT, STORAGE AND COMMUNICATION	9	2,13%	21,43%	14	4,32%	33,33%	5	4,46%	11,90%	14	5,17%	33,33%	0	0,00%	0,00%	42	3,41%
10	FINANCIAL INTERMEDIATION	2	0,47%	16,67%	9	2,78%	75,00%	0	0,00%	0,00%	1	0,37%	8,33%	0	0,00%	0,00%	12	0,97%
11	REAL ESTATE, RENTING AND BUSINESS ACTIVITIES	13	3,08%	61,90%	5	1,54%	23,81%	1	0,89%	4,76%	1	0,37%	4,76%	1	0,98%	4,76%	21	1,71%
12	PUBLIC ADMINISTRATION AND DEFENCE, COMPULSORY SOCIAL SECURITY	8	1,90%	36,36%	1	0,31%	4,55%	0	0,00%	0,00%	11	4,06%	50,00%	2	1,96%	9,09%	22	1,79%
13	EDUCATION	19	4,50%	86,36%	1	0,31%	4,55%	1	0,89%	4,55%	1	0,37%	4,55%	0	0,00%	0,00%	22	1,79%
14	HEALTH AND SOCIAL WORK	11	2,61%	73,33%	2	0,62%	13,33%	1	0,89%	6,67%	1	0,37%	6,67%	0	0,00%	0,00%	15	1,22%
15	OTHER COMMUNITY, SOCIAL AND PERSONAL ACTIVITIES	9	2,13%	25,71%	7	2,16%	20,00%	9	8,04%	25,71%	8	2,95%	22,86%	2	1,96%	5,71%	35	2,84%
16	PRIVATE HOUSEHOLDS WITH EMPLOYED PERSONS	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%
17	OTHER INDUSTRIAL ACTIVITIES	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%
18	EXTRA - TERRITORIAL ORGANISATIONS AND BODIES	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%
<b>Total New Undertakings</b>		<b>422</b>	<b>34,28%</b>		<b>324</b>	<b>26,32%</b>		<b>112</b>	<b>9,10%</b>		<b>271</b>	<b>22,01%</b>		<b>102</b>	<b>8,29%</b>		<b>1231</b>	
			<b>(4)</b>			<b>(4)</b>			<b>(4)</b>			<b>(4)</b>			<b>(4)</b>			

**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 VI – Legal Cases**

**TABLE**

No.	Law / Regulation	Number of Contraventions		Total amount of fines charged (£)	
		2001	2002	2001	2002
1	The Safety and Health at Work Law of 1996, . 89(I)/1996	16	14	21.700	16.500
2	The Factories Law, Cap. 134	1	0	1.400	0
3	The Accident and Dangerous Occurrences (Notification) Law of 1953, Cap.176	2	6	300	580
4	The Woodworking Machinery Regulations of 1973 and 1988, P.I. 279/73 and P.I. 311/88	1	0	350	0
5	The Maternity Protection Law of 1997, . 100(I)/97	2	2	235	400
<b>Total Number of Contraventions and Fines</b>		<b>22</b>	<b>22</b>	<b>23.985</b>	<b>17.570</b>

**APPENDIX VII – Analysis of Work Accidents by Economic Activity Sector, Gender, Age, Degree of Injury & Causation**

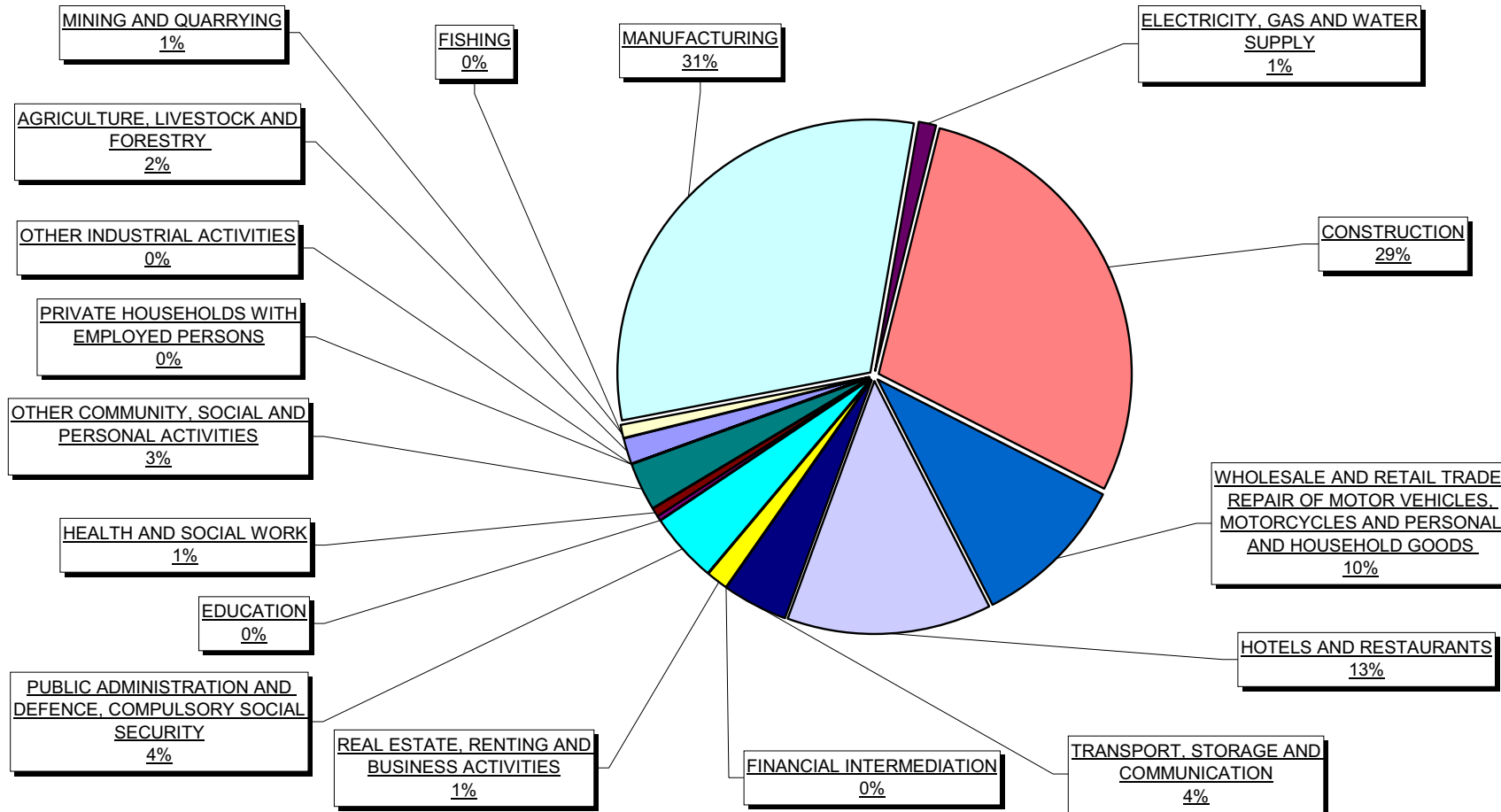
**TABLE**

No.	ECONOMIC ACTIVITY SECTOR	ACCIDENTS		GENDER		AGE		INJURY DEGREE		CAUSATION					
		NUMBER	%	Men	Women	Under 18	18 and above	Fatal	Non Fatal	Equipment	Transportation Means	Other Equipment	Materials / Substances	Work Environment	Other Causes
1	AGRICULTURE, HUNTING AND FORESTRY	27	1,62	23	4	0	27	0	27	1	2	1	0	7	16
2	FORESTRY, LOGGING AND RELATED SERVICE ACTIVITIES	1	0,06	1	0	0	1	0	1	0	0	1	0	0	0
3	FISHING, OPER. OF FISH HATCH. & FISH FARMS; INC. ACT.	0	0,00	0	0	0	0	0	0	0	0	0	0	0	0
4	MINING OF COAL AND LIGNITE; EXTRACTION OF PEAT	0	0,00	0	0	0	0	0	0	0	0	0	0	0	0
5	EXTR. OF CRUDE PETROLEUM AND NATUR. GAS; INCID. ACT.	0	0,00	0	0	0	0	0	0	0	0	0	0	0	0
6	MINING OF URANIUM AND THORIUM ORES	0	0,00	0	0	0	0	0	0	0	0	0	0	0	0
7	MINING OF METAL ORES	2	0,12	2	0	0	2	0	2	1	0	0	0	0	1
8	OTHER MINING AND QUARRYING	14	0,84	14	0	0	14	0	14	3	1	0	0	2	8
9	MANUFACTURE OF FOOD PRODUCTS AND BEVERAGES	140	8,38	109	31	1	139	2	138	14	14	29	3	34	46
10	MANUFACTURE OF TOBACCO PRODUCTS	0	0,00	0	0	0	0	0	0	0	0	0	0	0	0
11	MANUFACTURE OF TEXTILES	1	0,06	1	0	0	1	0	1	1	0	0	0	0	0
12	MANUFACT. OF WEARING APPAREL, DRESS. & DYEING OF FUR	3	0,18	2	1	0	3	0	3	0	0	0	0	1	2
13	TAN. & DRESS. OF LEATHER; MAN. OF LUGGAGE & FOOTWEAR	3	0,18	3	0	0	3	0	3	2	0	0	0	0	1
14	MANUF. OF WOOD & OF PRODUCTS OF WOOD EXC. FURNITURE	45	2,69	42	3	0	45	0	45	21	1	2	0	7	14
15	MANUFACTURE OF PULP, PAPER AND PAPER PRODUCTS	9	0,54	8	1	0	9	0	9	5	1	1	1	1	0
16	PUBLISHING, PRINTING AND REPR. OF RECORD. MEDIA	10	0,60	9	1	0	10	0	10	4	2	0	0	4	0
17	MANUFACTURE OF COKE, REFINED PETROLEUM PRODUCTS ETC	1	0,06	1	0	0	1	0	1	0	0	0	1	0	0
18	MANUFACTURE OF CHEMICALS AND CHEMICAL PRODUCTS	25	1,50	18	7	0	25	0	25	4	2	0	2	6	11
19	MANUFACTURE OF RUBBER AND PLASTIC PRODUCTS	24	1,44	21	3	0	24	0	24	5	0	2	0	7	10
20	MANUFACTURE OF OTHER NON-METALLIC MINERAL PROD.	81	4,85	80	1	0	81	1	80	5	20	3	0	17	36
21	MANUFACTURE OF BASIC METALS	12	0,72	10	2	0	12	0	12	4	1	2	0	3	2
22	MANUF. OF FABRICATED METAL PRODUCTS, EXC. MACHIN.	72	4,31	69	3	2	69	1	71	10	4	3	1	15	39
23	MANUFACTURE OF MACHINERY AND EQUIPMENT N.E.C.	19	1,14	19	0	0	19	0	19	4	1	0	1	3	10
24	MANUFACTURE OF OFFICE MACHINERY & COMPUTERS	0	0,00	0	0	0	0	0	0	0	0	0	0	0	0
25	MANUFACTURE OF ELECTRICAL MACHINERY & APPAR. NEC	4	0,24	2	2	0	4	0	4	0	1	0	0	0	3
26	MANUFACT. OF RADIO, TELEVISION & COMMUN. EQUI. & APP.	1	0,06	1	0	0	1	0	1	0	0	0	0	0	1
27	MANUF. OF MEDICAL, PRECISION & OPTICAL INSTR., WATCH.	3	0,18	3	0	0	3	0	3	0	2	0	0	0	1
28	MANUFACTURE OF MOTOR VEHICLES, TRAILERS & SEMI-TRAIL.	3	0,18	3	0	0	3	0	3	0	0	0	0	2	1
29	MANUFACTURE OF OTHER TRANSPORT EQUIPMENT	4	0,24	4	0	0	4	0	4	0	1	0	0	0	3
30	MANUFACTURE OF FURNITURE; MANUFACTURING N.E.C.	50	2,99	46	4	0	50	1	49	20	4	5	0	5	16
31	RECYCLING	2	0,12	2	0	0	2	0	2	0	1	0	0	1	0
32	ELECTRICITY, GAS, STEAM AND HOT WATER SUPPLY	16	0,96	15	1	0	16	0	16	0	1	1	0	7	7
33	COLLECTION, PURIFICATION & DISTRIBUT. OF WATER	4	0,24	4	0	0	4	0	4	0	2	0	0	2	0

No.	ECONOMIC ACTIVITY SECTOR	ACCIDENTS		GENDER		AGE		INJURY DEGREE		CAUSATION					
		NUMBER	%	Men	Women	Under 18	18 and above	Fatal	Non Fatal	Equipment	Transportati on Means	Other Equipment	Materials / Substances	Work Environment	Other Causes
34	CONSTRUCTION	477	28,56	471	6	2	475	6	471	37	39	20	3	140	238
35	SALE, MAINT. & REPAIR OF MOTOR VEHICLES	54	3,23	54	0	1	53	1	53	2	12	7	3	7	23
36	WHOLESALE & COMMISSION TRADE, EXC. OF MOTOR VEHICLES	57	3,41	51	6	0	57	0	57	1	10	2	1	19	24
37	RETAIL TRADE, EXC. MOTOR VEH.; REPAIR OF PERS. GOODS	55	3,29	37	18	1	54	2	53	5	8	2	1	13	26
38	HOTELS AND RESTAURANTS	220	13,17	121	99	6	214	1	219	7	8	19	7	109	70
39	LAND TRANSPORT; TRANSPORT VIA PIPELINES	22	1,32	21	1	0	22	0	22	1	10	0	0	5	6
40	WATER TRANSPORT	1	0,06	0	1	0	1	0	1	0	0	0	0	1	0
41	AIR TRANSPORT	7	0,42	3	4	0	7	0	7	0	1	0	0	4	2
42	SUPPORTING & AUXILIARY TRANSP. ACTIV.; TRAVEL AGENCIES	35	2,10	31	4	0	35	0	35	2	12	1	0	8	12
43	POST AND TELECOMMUNICATIONS	4	0,24	4	0	0	4	0	4	1	2	0	0	1	0
44	FINANCIAL INTERMEDIATION, EXC. INSUR. & PENSION FUND.	0	0,00	0	0	0	0	0	0	0	0	0	0	0	0
45	INSURANCE AND PENSION FUNDING, EXC. SOCIAL SECURITY	0	0,00	0	0	0	0	0	0	0	0	0	0	0	0
46	ACTIVITIES AUXILIARY TO FINANCIAL INTERMEDIAT.	0	0,00	0	0	0	0	0	0	0	0	0	0	0	0
47	REAL ESTATE ACTIVITIES	3	0,18	3	0	0	3	0	3	0	0	0	0	1	2
48	RENTING OF MACHINERY & EQUIPM. WITHOUT OPERATOR	2	0,12	2	0	0	2	0	2	0	0	0	0	1	1
49	COMPUTER AND RELATED ACTIVITIES	2	0,12	2	0	0	2	0	2	0	0	0	0	1	1
50	RESEARCH AND DEVELOPMENT	0	0,00	0	0	0	0	0	0	0	0	0	0	0	0
51	OTHER BUSINESS ACTIVITIES	15	0,90	12	3	0	15	0	15	0	6	0	0	5	4
52	PUBLIC ADMINISTR. AND DEFENCE; COMP. SOCIAL SECURITY	73	4,37	63	10	0	73	2	71	6	14	4	3	29	17
53	EDUCATION	5	0,30	1	4	0	5	0	5	0	0	0	1	3	1
54	HEALTH AND SOCIAL WORK	10	0,60	2	8	0	10	0	10	0	1	0	1	7	1
55	SEWAGE AND REFUSE DISPOSAL, SANITATION & SIM. ACT.	14	0,84	14	0	0	14	0	14	4	7	0	0	3	0
56	ACTIVITIES OF MEMBERSHIP ORGANISATION N.E.C.	2	0,12	0	2	0	2	0	2	0	0	0	0	1	1
57	RECREATIONAL, CULTURAL AND SPORTING ACTIVITIES	29	1,74	27	2	2	27	0	29	1	4	1	0	6	17
58	OTHER SERVICE ACTIVITIES	7	0,42	5	2	0	7	0	7	1	1	0	0	1	4
59	PRIVATE HOUSEHOLDS WITH EMPLOYED PERSONS	0	0,00	0	0	0	0	0	0	0	0	0	0	0	0
60	OTHER EMPLOYED PERSONS	0	0,00	0	0	0	0	0	0	0	0	0	0	0	0
61	EXTRA - TERRITORIAL ORGANISATIONS & BODIES	0	0,00	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL ACCIDENTS</b>		<b>1670</b>	<b>100,0</b>	<b>1436</b>	<b>234</b>	<b>15</b>	<b>1655</b>	<b>17</b>	<b>1653</b>	<b>170</b>	<b>196</b>	<b>106</b>	<b>29</b>	<b>489</b>	<b>678</b>

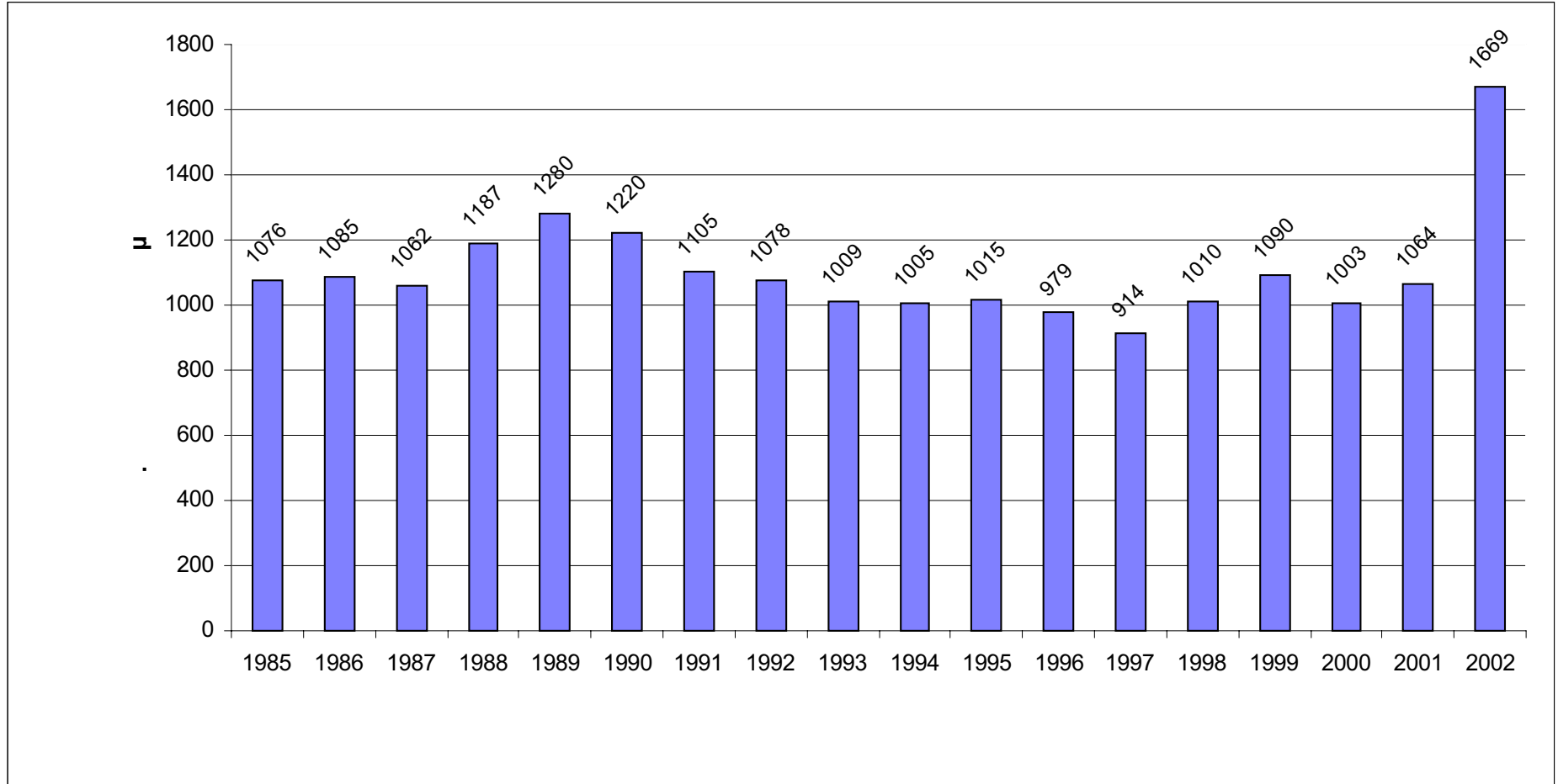
APPENDIX VIII – Analysis of Work Accidents by Economic Activity Sector

FIGURE



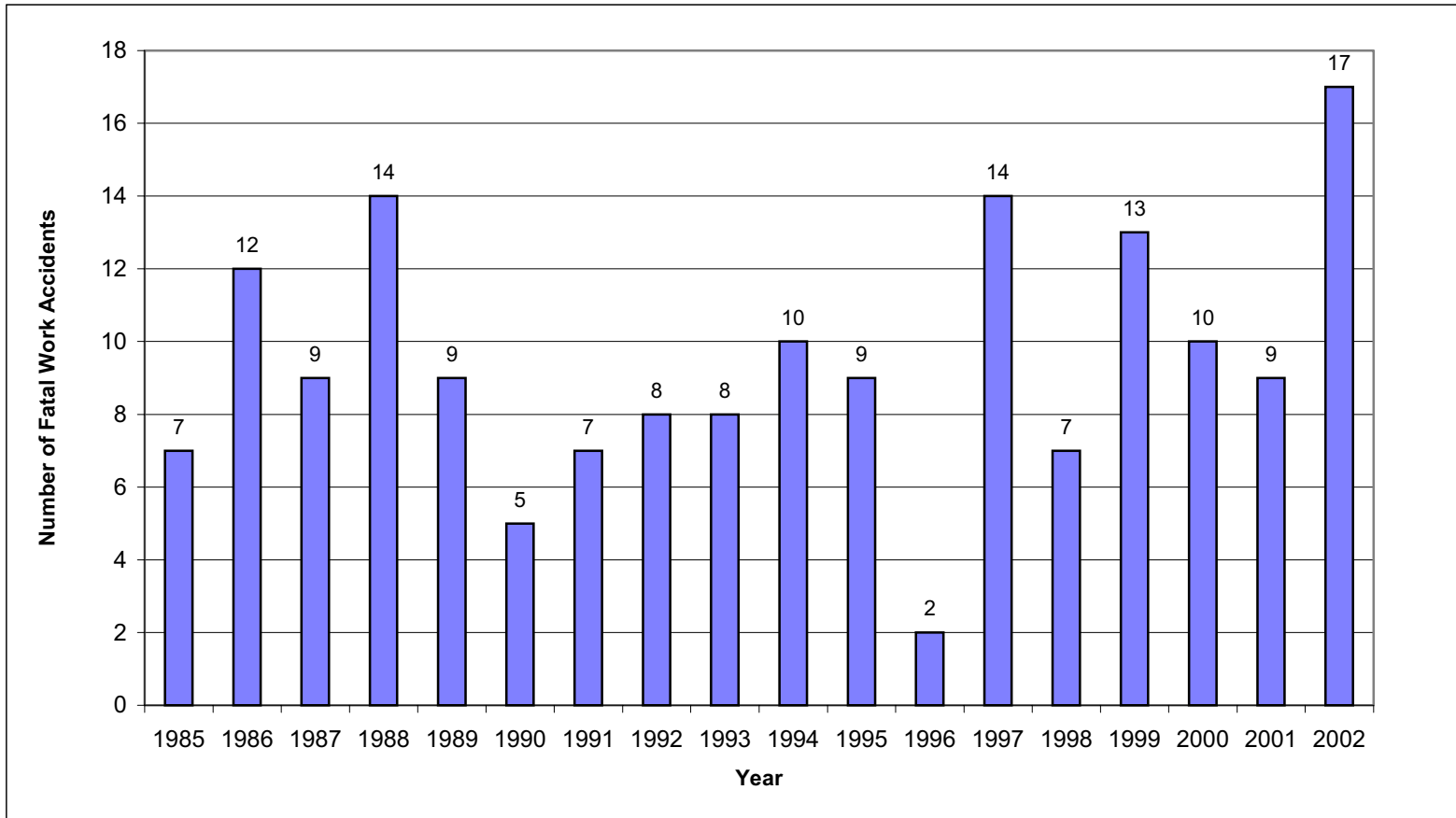
APPENDIX IX – Notified Work Accidents during the Period 1985 - 2002

FIGURE



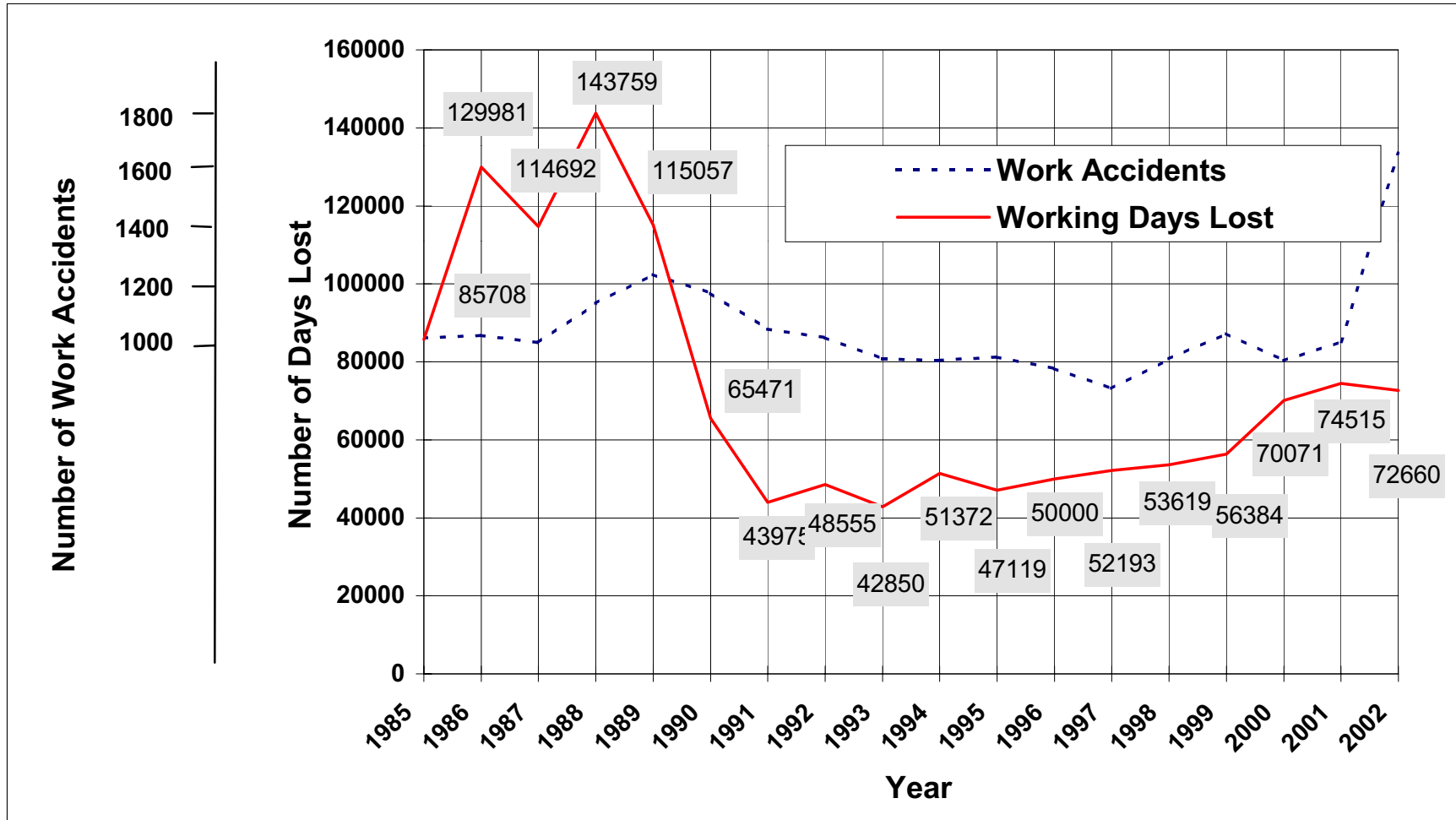
**APPENDIX X – Notified Fatal Work Accidents during the Period 1985 – 2002**

**FIGURE**



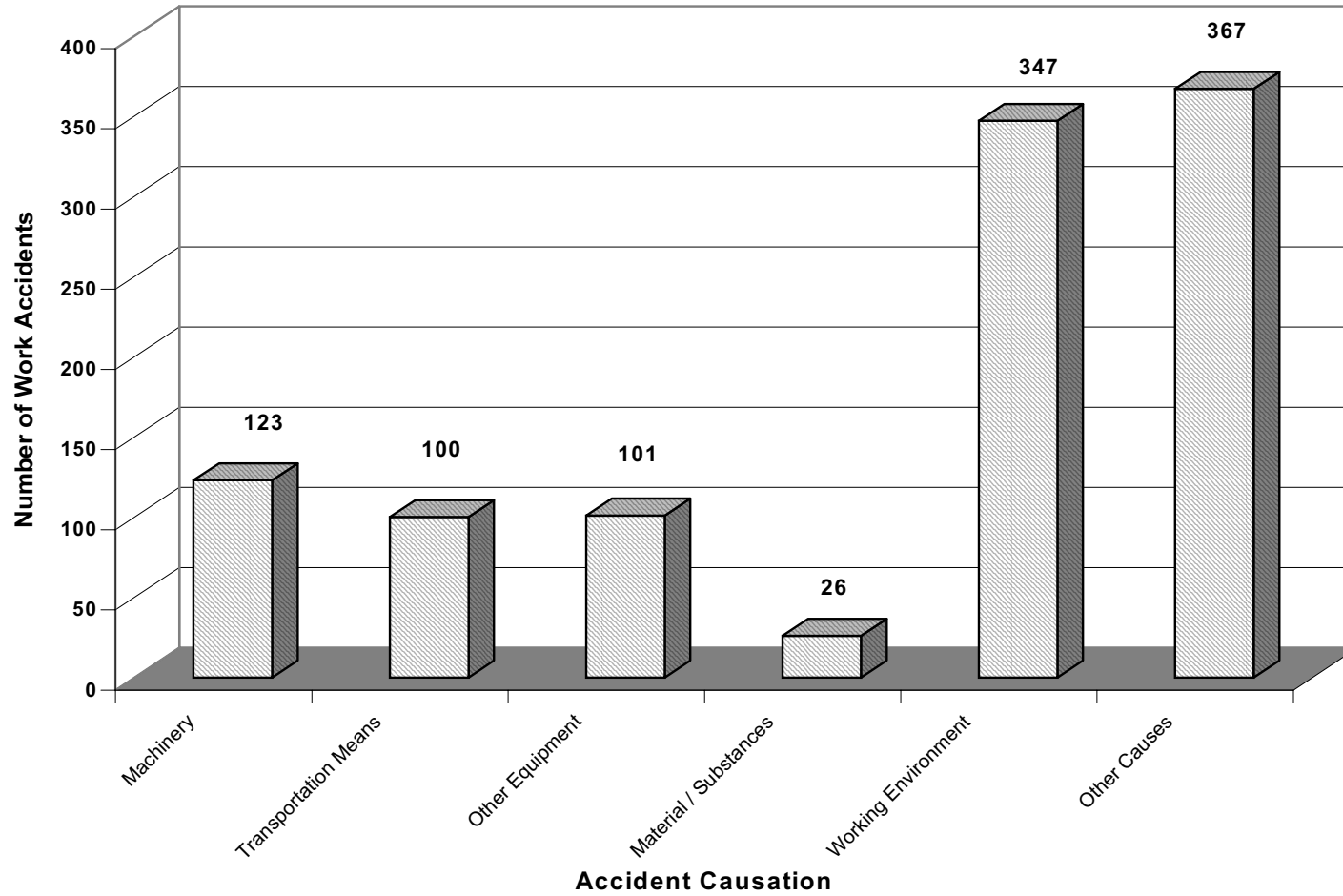
APPENDIX XI - Analysis of Working Days Lost during the Period 1985-2002

FIGURE



**APPENDIX XII – Analysis of Work Accidents by Causation for the Year 2002**

**FIGURE**



**APPENDIX XIII – Frequency Index 2002 of Work Accidents by Economic Activity Sector**

**TABLE**

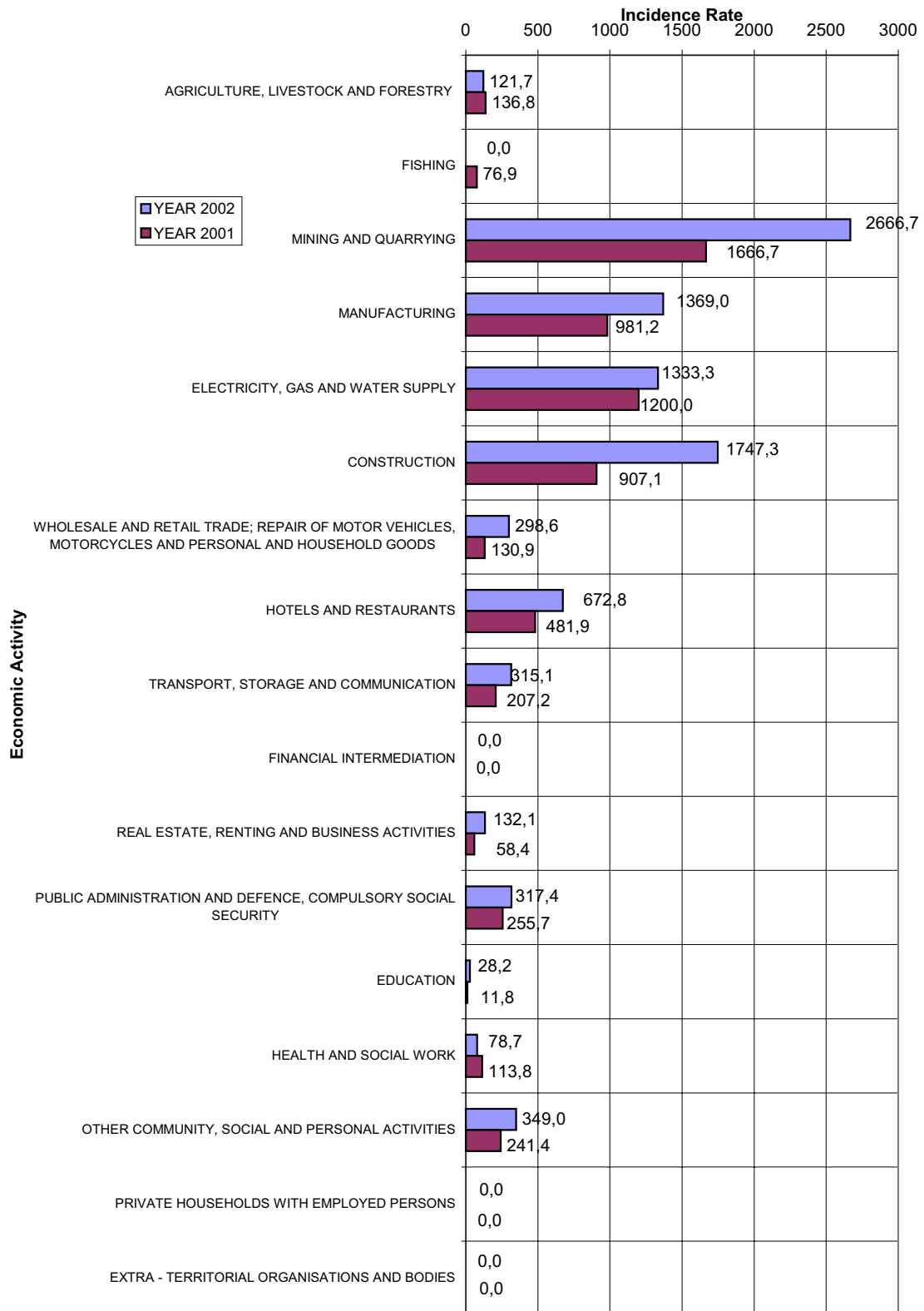
<b>No.</b>	<b>ECONOMIC ACTIVITY SECTOR</b>	<b>NUMBER OF ACCIDENTS</b>	<b>NUMBER OF EMPLOYED PERSONS (Note 1)</b>	<b>FREQUENCY INDEX (Note 2)</b>
1	AGRICULTURE, LIVESTOCK AND FORESTRY	28	23000	121,7
2	FISHING	0	1300	0,0
3	MINING AND QUARRYING	16	600	2666,7
4	MANUFACTURING	512	37400	1369,0
5	ELECTRICITY, GAS AND WATER SUPPLY	20	1500	1333,3
6	CONSTRUCTION	477	27300	1747,3
7	WHOLESALE AND RETAIL TRADE; REPAIR OF MOTOR VEHICLES, MOTORCYCLES AND PERSONAL AND HOUSEHOLD GOODS	166	55600	298,6
8	HOTELS AND RESTAURANTS	220	32700	672,8
9	TRANSPORT, STORAGE AND COMMUNICATION	69	21900	315,1
10	FINANCIAL INTERMEDIATION	0	15000	0,0
11	REAL ESTATE, RENTING AND BUSINESS ACTIVITIES	22	15900	138,4
12	PUBLIC ADMINISTRATION AND DEFENCE, COMPULSORY SOCIAL SECURITY	73	23000	317,4
13	EDUCATION	5	17700	28,2
14	HEALTH AND SOCIAL WORK	10	12700	78,7
15	OTHER COMMUNITY, SOCIAL AND PERSONAL ACTIVITIES	52	14900	349,0
16	PRIVATE HOUSEHOLDS WITH EMPLOYED PERSONS	0	10600	0,0
18	EXTRA - TERRITORIAL ORGANISATIONS AND BODIES	0	2800	0,0
<b>Total</b>		<b>1670</b>	<b>313900</b>	<b>532,0</b>

**Table Notes:**

1. Number of Employed Persons based on data of the Statistics Department, as updated on 2.12.2002
2. Frequency Index = (Number of Accidents / Number of Employed Persons) 100.000.

## APPENDIX XIV – Comparison of Frequency Indexes of Work Accidents by Economic Activity Sector for the Years 2001 - 2002

FIGURE



**APPENDIX XV – Inspections of Machinery for the Year 2002**

**TABLE**

No.	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	331	56,97%	43,10%	254	45,52%	33,07%	38	16,67%	4,95%	40	45,45%	5,21%	105	64,42%	13,67%	768	47,47%
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	8	1,38%	8,89%	57	10,22%	63,33%	16	7,02%	17,78%	5	5,68%	5,56%	4	2,45%	4,44%	90	5,56%
4	CRANES	31	5,34%	38,75%	25	4,48%	31,25%	20	8,77%	25,00%	0	0,00%	0,00%	4	2,45%	5,00%	80	4,94%
5	TOWER CRANES	0	0,00%	0,00%	0	0,00%	0,00%	0	0,00%	0,00%	0	0,00%	0,00%	0	0,00%	0,00%	0	0,00%
6	STEAM BOILERS	178	30,64%	31,12%	193	34,59%	33,74%	138	60,53%	24,13%	39	44,32%	6,82%	24	14,72%	4,20%	572	35,35%
7	STEAM RECEIVERS	19	3,27%	59,38%	10	1,79%	31,25%	3	1,32%	9,38%	0	0,00%	0,00%	0	0,00%	0,00%	32	1,98%
8	AIR RECEIVERS	14	2,41%	18,42%	19	3,41%	25,00%	13	5,70%	17,11%	4	4,55%	5,26%	26	15,95%	34,21%	76	4,70%
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%
<b>Total Number of Machinery Inspections</b>		<b>581</b>	<b>35,91%</b>		<b>558</b>	<b>34,49%</b>		<b>228</b>	<b>14,09%</b>		<b>88</b>	<b>5,44%</b>		<b>163</b>	<b>10,07%</b>		<b>1618</b>	
			<b>(4)</b>			<b>(4)</b>			<b>(4)</b>			<b>(4)</b>			<b>(4)</b>			

**Table Notes:**

1. Percentage contribution on the Total Number of Inspections for the same District.
2. Percentage contribution on the Total Number of Inspections for the same Machinery Type Cyprus wide.
3. Percentage contribution on the Total Number of Inspections Cyprus wide.
4. Percentage contribution of District Inspections on the Total Number of Inspections Cyprus wide.

**APPENDIX XVI – Registered Inspectable Machinery as on 31.12.2002**

**TABLE**

No.	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	2914	54,99%	49,11%	1600	62,57%	26,96%	642	41,15%	10,82%	349	62,32%	5,88%	429	60,34%	7,23%	5934	55,53%
2	HYDRAULIC LIFTING PLATFORMS	27	0,51%	58,70%	5	0,20%	10,87%	10	0,64%	21,74%	3	0,54%	6,52%	1	0,14%	2,17%	46	0,43%
3	LIFTING MACHINERY AND DEVICES	426	8,04%	51,02%	201	7,86%	24,07%	153	9,81%	18,32%	13	2,32%	1,56%	42	5,91%	5,03%	835	7,81%
4	CRANES	95	1,79%	39,92%	60	2,35%	25,21%	66	4,23%	27,73%	3	0,54%	1,26%	14	1,97%	5,88%	238	2,23%
5	TOWER CRANES	6	0,11%	42,86%	7	0,27%	50,00%	0	0,00%	0,00%	0	0,00%	0,00%	1	0,14%	7,14%	14	0,13%
6	STEAM BOILERS	205	3,87%	36,54%	139	5,44%	24,78%	139	8,91%	24,78%	40	7,14%	7,13%	38	5,34%	6,77%	561	5,25%
7	STEAM RECEIVERS	90	1,70%	45,45%	31	1,21%	15,66%	66	4,23%	33,33%	7	1,25%	3,54%	4	0,56%	2,02%	198	1,85%
8	AIR RECEIVERS	1536	28,99%	53,69%	514	20,10%	17,97%	484	31,03%	16,92%	145	25,89%	5,07%	182	25,60%	6,36%	2861	26,77%
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%
<b>Total Number of Registered Machinery</b>		<b>5299</b>	<b>49,58%</b>		<b>2557</b>	<b>23,93%</b>		<b>1560</b>	<b>14,60%</b>		<b>560</b>	<b>5,24%</b>		<b>711</b>	<b>6,65%</b>		<b>10687</b>	
			<b>(4)</b>			<b>(4)</b>			<b>(4)</b>			<b>(4)</b>			<b>(4)</b>			

**Table Notes:**

1. Percentage contribution on the total Number of Inspectable Machinery for the same District.
2. Percentage contribution on the total Number of Inspectable Machinery of the same Type Cyprus wide.
3. Percentage contribution on the total Number of Inspectable Machinery Cyprus wide.
4. Percentage contribution of District Inspectable Machinery on the total Number of Inspectable Machinery Cyprus wide.