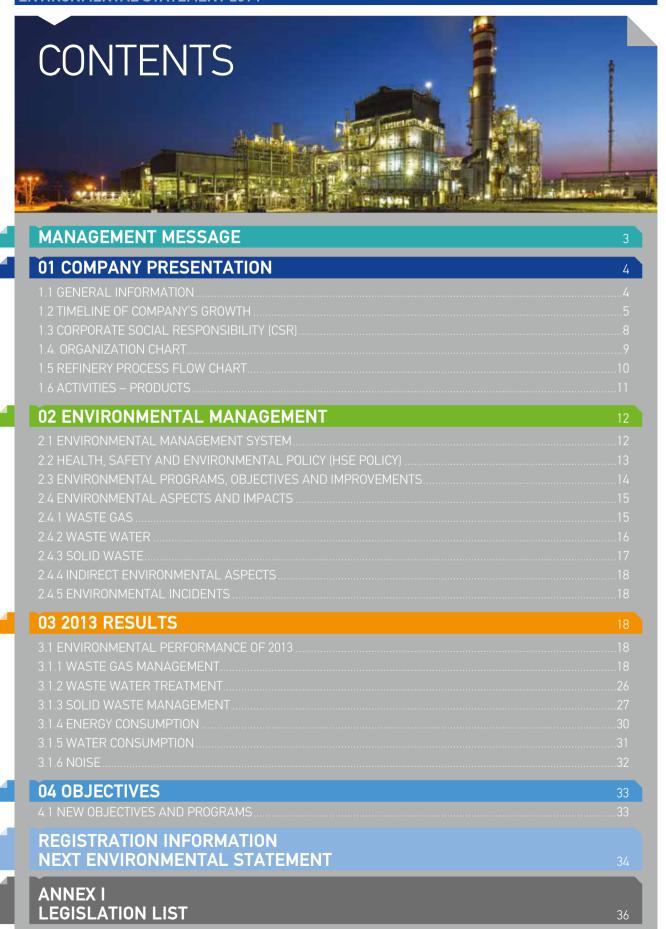








VOLUNTARY ENVIRONMENTAL STATEMENT ACCORDING TO EUROPEAN REGULATION 1221/2009 EMAS (Eco-Management and Audit Scheme)





MANAGEMENT MESSAGE

It is my great pleasure to present to you the 2014 edition of the Environmental Statement of MOTOR OIL (HELLAS) CORINTH REFINERIES S.A prepared in accordance with the most recent European Regulation 1221/2009 for EMAS (Eco Management and Audit Scheme). The Environmental Statement is compiled on a voluntary basis for the ninth year running by our Company, a member of the Greek Register of EMAS organizations since 2007 bearing registration number EL00067, within the context of our commitment for the correct and rational treatment of environmental issues for the purpose of which we have adopted the Integrated Management System.

The adoption of methods and procedures that protect the environment comprise top priority for our company. The operation of the Company's refinery conforms to the environmental terms set out by the Ministry of Reconstruction of Production, Environment & Energy and the Ministry of Development which are responsible for granting the operational license. Furthermore, the operation of the Company's refinery is fully harmonized with the most stringent international standards for environmental protection adopting the most advanced processing methods causing the minimum environmental harm possible.

MOTOR OIL (HELLAS) CORINTH REFINERIES S.A attends to the natural resource management issue in the best possible manner and also to the issue of the reduction of the impact that Company activities might have on the environment using as a guide the Environmental Policy and taking into account the interests of all stakeholders.

In 2014 the Company performed its operations in a perceptive and responsible manner having fully integrated the sustainable development concept in its daily activities and future plans while facing very tight economic conditions of the refining industry in Europe and the Mediterranean in particular. Despite the adverse economic climate, our company kept proving its environmental concern, having completed a significant number of investment projects aiming to minimize the impact of Company activities on the environment, achieving reductions in a series of KPI's (Key Performance Indicators) as described hereunder:

- energy consumption per ton of raw materials, from 3.56 TJ / thousand MT in 2006 to 2.37 TJ / thousand MT in 2014.
- energy losses, from 5.3 ‰ of raw materials in 2006 to 2.03 ‰ in 2014
- water consumption per ton of raw materials from 0.391 tn / thousand MT in 2008 to 0.285 tn / thousand MT in 2014
- Carbon dioxide emissions from 0.258 tn / MT of raw materials in 2006 to 0.174 tn / MT in 2014.

From the data presented above it is confirmed that the Company's environmental performance kept improving also in 2014 as our company achieved higher production goals with lower energy consumption, lower consumption of natural resources, and, reduced carbon dioxide emissions. Furthermore, in 2014 a series of re-certifications took place, specifically, of the Integrated Quality Management System according to the ISO 9001:2008 standard, of the

Environmental Management System according to the ISO 14001:2004 standard, and, of the Occupational Health and Safety Management System according to the OHSAS 18001:2007 standard, all of which now have a validity until 2017. Moreover, in 2014 the Chemical Laboratory of the Refinery was reaccredited according to the ISO IEC 17025:2005 standard with validity until 2018.

In the present Environmental Statement you will find essential pieces of information regarding the Refinery units and various Refinery production processes, the Environmental Management policy, the assessment of our Environmental performance in 2014, and also the new objectives to which we commit ourselves.

The Company's investment philosophy is directed toward the production of Environmental friendly products through the application of Environmental best available techniques, friendly modern technologies and, at the same time, focuses on the completion of investment projects and the automation of production procedures leading to the Refinery's energy performance enhancement and productivity improvement. By implementing the previously described investment policy, we believe that we contribute decisively to the environmental sustainability, to the economic prosperity of the local society which we operate in, and to the economy of our country in general.

The ultimate responsibility for the Environment as well as the health and safety of Company personnel rests on me. The duties assigned to my colleagues within the context of the Health, Safety and Environmental Management System are specific and, I believe, effective.

All employees of MOTOR OIL (HELLAS) CORINTH REFINERIES S.A participate in the implementation of the Environmental Management System through the relevant training, establishment of working groups, completion of internal audit schedule, and, execution of preparedness exercises.

I hope that you will find this Statement not only informative but also interesting.

I would like to stress at this point that I consider the Environmental Statement as an opportunity to communicate with our associates and all stakeholders with regard to the performance of our company on the aspect of environmental management and, within this framework, my colleagues and I remain at your disposal for any queries or comments you might have.

01 COMPANY PRESENTATION

1.1 General Information

MOTOR OIL is a leading Company in the oil refining industry supplying its customers with a wide range of high quality products. The Company has evolved to one of the main pillars of the national economy, while, at the same time, it maintains and expands its key role in the wider area of South Eastern Europe.

MOTOR OIL started operating in 1972 as a company engaged in refining and trading of oil products and has been responsibly functioning ever since, aiming at sustainable profitability and socially responsible growth. The Company's Vision and Mission define the context which drives the planning and implementation of its dynamic growth. In addition, company operation is based on a set of strict Principles and Values, which comprise the constituent elements of its business practices.

MOTOR OIL's Vision and Mission are based on three basic principles:

- Respect for our People
- Respect for the Environment
- Transparency

Materializing the Corporate Vision and Mission is based on four corporate values:

- Effectiveness
- Accountability
- · Social Responsibility
- Integrity

The Company Refinery is located at Agioi Theodoroi, Corinth, approximately 70 km from the center of Athens and the area of the premises of the facility is 1,571.8 acres (biodiversity index). Along with its auxiliary premises and its fuel distribution premises, the Refinery constitutes the largest private industrial complex in Greece, and is considered as one of the most flexible refineries across Europe.

It can process different types of crude oil, producing a wide spectrum of oil products that meet the strictest international standards, thus serving the supply requirements of Oil Companies both in Greece and abroad.

At the same time it is the only Refinery in Greece that has a lubricants production complex. Apart from the basic units, (atmospheric distillation, catalytic reforming and hydrotreating) the refinery includes conversion units as well (thermal, catalytic cracking, and hydrocracking).

The industrial plant of the Company has an operating license which has been granted by Y.P.A.N (Hellenic Republic Ministry of Development / Department of Energy / Department of Oil Installations / section A: D.3/a./6841 – 16.08.2007, while the Atmospheric Distillation unit U-7100 the operating license is granted by YPEKA – Ministry of Environment, Energy & Climate Change/Department of energy and climate change / Department of Oil Installations / section A: D.3/A./14094, date 12-11-2010) and they fulfill the legal requirements, which demand the application of Best Available Techniques, measures for the protection of the ground, water and air, threshold limits for waste emission, emergency response measures (leakages, malfunctions, interruptions), waste management measures as established in the permits from Y.P.E.K.A (Approval of the Environmental Operating

Terms – Y.P.E.K.A/Department of Air Pollution and Noise Control / Section of Industries: 145996/date 22.06.2009, 188358/date 10.10.2011 and 183581/date 17.10.2013 and Y.P.E.K.A/Department of Air Pollution and Noise Control / Section of Industries: 162429 / date 11-9-2014), which are in a total conformity with the European legislation (directive IPPC [96/61/EC as amended by Directive 2008/1/EC and replaced by Directive 2010/75/EC) and 2001/80/EC.).

Also, the Refinery has a license for Greenhouse Gases Emissions with number YPEKA/Department of Environment/Department of Air Pollution and Noise Control /GEDE 214048 — 31/12/2012, and approved monitoring plan for air emissions by the YPEKA/Department of Environment/Department of Air Pollution and Noise Control: 163293/2070/12.08.2014.

The following table summarizes the company data.

Statistical Codification	232
of Economic Activity:	
NACE Code	DF.19.20 - Manufacture of refined
	petroleum products
Premises :	Agioi Theodoroi, Corinth
Installed Power:	Main electric motors power 78.34 MW
	Back up electric motors power 48.97 MW
Postal Address :	71st km of Old National Road Athens –
	Corinth, position «Soussaki»
Contact Person for	S. J. Sofos
EMAS and Integrated	
Management System	
Telephone number:	(+30) 27410-48602
Fax:	(+30) 27410-48255
E-mail:	sofossp@moh.gr
Responsible for Health,	Γ.Α. Παλαιοκρασσάς
Safety and Environment:	
E-mail:	palaiogi@moh.gr
	*

Vardinoyannis Group is the major shareholder of MOTOR OIL. In 2001 the Company listed its shares on the Athens Exchange following a share capital increase by the means of an Initial Public Offering (IPO).

The shareholder structure of the Company as of 31.12.2014 is presented hereunder:

SHAREHOLDERS	%
Petroventure Holdings Limited	40.00
Doson Investments Company	8.38
Free Float	51.62
Total	100.00



1.2 Timeline of Company's Growth

MOTOR OIL commenced its operations in 1972 and since then took significant steps regarding the improvement, expansion and upgrading of the Company Refinery. These steps are concisely presented in the following chronological table.

Foundation and beginning of operation of the refinery comprised of a crude oil refining unit, a base lubricants production unit and port facilities	
port facilities 1 0 7 - Construction of an Atmosp	
	oheric Distillation Unit, with a of day and tanks with a capacity
of naphtha for gasoline production).	ytic Cracking Unit (processing of fuel oil
Construction of a Power Plant that uses fuel gas as raw material. License to sell electric power to the national grid.	em certification according to ISO 9002
	ne activities of the Company
[Saudi Aramco]. Relocation of Company Headquarters standards for the year 2000	ccording to European Union 0, by constructing new units a reformer to a continuous 103
Share capital increase by the means of an Initial Public Offering (IPO) and listing of Company shares on the Athens Exchange.	CR). New Central Control Room outed Control System (DCS). ent System certification according to
C. Cabrica no Tasaan Tarini.	DIL, a domestic retail marketing
Development of a Quality Management System according to ISO 9001:2000 standard, which was certified on January 2003.	ironmental Management System
∠UU∠L according to ISO 14001:200	194 for three more years. Beginning 2.0.ading Terminal at the Refinery.
	to ISO 9001:2000 for three more ation of the Refinery Laboratory
by Motor Oil Holdings S.A	
Re-certification of the company Environmental Management System according to ISO 14001:2004, valid until 2010. Company Registration in the Greek Ledger of EMAS Certification of the Occupat	
(For Management Audit Cohons)	ording to OHSAS 18001:2007. Safe gest in company history refinery eriodic maintenance work.
to the new ISO 9001.2008 standard, valid until 2012. At the same time some significant strategic initiatives were Start of construction of the The non-governmental or company, for the second or company. For the second	New Crude Distillation Unit. ganization "Ecocity" awards our consecutive year, the "OIKOPOLIS
taken: Agreement with Shell International Petroleum Company for acquiring its downstream operations in Greece (except for Lubricants), start of the construction of the KORINTHOS POWER	estment" prize
an additional 64.06% stake in OFC Aviation Fuel Services SA, with	the new 60,000 barrels per day implex. On of a fifth gas turbine at the
Re-certification of the Occupational Health and Safety Management 2 1 1 Re-accreditation of the Ref	ral gas unit). finery Chemical Laboratory
System according to 0HSAS 18001:2007, valid until 2014. 2 according to ISO 17025:200 Certification CE marking of Bitumen and bituminous binders in accordance with European Directive 89/106/EEC Construction accordance with European Directive 89/106/EEC Construction according to ISO 14001:200	ronmental Management System
Products, as amended by 93/68/EEC and in accordance with the requirements of the European Standard EN 12591:2009. Successful completion of to downstream operations in	the acquisition of Shell
	grated Management System
85MW and ensures for the Refinery full energy self-sufficiency, due to the addition of CDU. Extending to ISO 9001:2008 Extending the scope of acc Laboratory according to ISI	creditation of the Refinery Chemical
accordance with the European Construction Products Directive 2013	grated Management System
12591:2009, valid until the year 2017. 2008 According to ISO 9001:2008 Management System according to ISO 9001:2008	standard, of the Environmental ording to ISO 14001:2004, and of the afety Management System according
to ISO 17025:2005, with valid	
listed on the Athens Excha	ion of 100% of the share capital of the ange company CYCLON HELLAS S.A. er offer submitted by MOTOR OIL.



CERTIFICATE OF CONFORMITY OF FACTORY PRODUCTION CONTROL

This certificate is issued to:

Manufacturer:

Motor Oii (Hellas) Corinth Refineries SA Agoi Theodoroi, Corinth, Greece

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product:

Bituminous mixtures

This certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performances described in Annex ZA of the standard(s)

EN 12591:2009 - Bitumen and bituminous hinders -Specifications for paving grade bitumens

under system 2+ are applied and that the products fulfil all the prescribed requirements set out above.

The attached Schedule, of the same date, details the manufacturing location(s), harmonised product standard and product parameters and shall form a part of this cellificate.

This Certificate will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the described characteristic, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly.

0038/CPR/PIR1107426/A

Original Approval: Current Certificate:

16 February 2011 13 February 2014

Exply Date:

15 February 2017

LRV Notified Body Number 0038

P Mintzaridis on behalf of Lloyd's Register Verification

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CERTIFICATE OF CONFORMITY OF FACTORY PRODUCTION CONTROL NO: 0038/CPR/PIR1107426/A SCHEDULE

Manufacturer:

Motor Oil (Hellas) Corinth Refineries SA Agol Theodoroi, Corinth, Greece

Manufacturing Location and Products

Standard, Grade and Size EN 12591:2009

Paving Grade Bitumen

30/45

Paving Grade Bitumen

50/70

Pailing Grade Bitumen

CF marking method : N/A

Sched e ssue:

02

Date of Sched le Issue:

13 February 2014

LRV No if ed Body Number 0038

P Mintzaridis on behalf of Lloyd's Register Verification

Page 1 of 1

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Hellenic Accreditation System



ACCREDITATION CERTIFICATE No. 297-4

The Hellenic Accreditation System S.A. (ESYD), as the national accreditation body of Greece in accordance with the Law 3066/2002 and the Law 4109/2013

ACCREDITS

the

Chemical Laboratory of Agii Theodori

MOTOR OIL (HELLAS) Corinth Refineries S.A.

in Agii Theodori, Corinth, Greece

under the terms of the ELOT EN ISO/IEC 17025: 2005 Standard and the ESYD Criteria, to carry out tests, as specified in the attached Scope of the Accreditation, which may be revised by decisions of ESYD.

The initial accreditation was issued on September 19th 2006. This Certificate is valid until September 18th 20th, provided that the accredited body will comply with the above Standard and the ESYD Criteria.

Athens, September 25th, 2014

Sitaras Socratres Accreditation Division

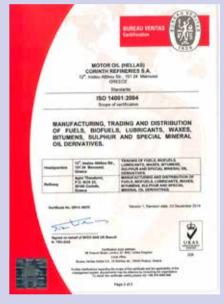


COMPANY PRESENTATION 01













1.3 Corporate Social Responsibility (CSR)

MOTOR OIL fully embraces the importance of the effort for sustainable growth via the application of the principles and objectives of Corporate Social Responsibility. It expresses its social responsibility with the commitment that its activities are based on respect for people, the environment and society. A natural outcome of this commitment is a holistic approach to the application of the principles of Corporate Social Responsibility, taking into consideration the protection of the environment, as well as the stakeholders - its personnel, the shareholders, the customers, the suppliers and society as a whole.

MOTOR OIL is a founding member of the Hellenic Network for Corporate Social Responsibility, and has subscribed and participates in the initiative of the United Nations Organization for the UN Global Compact, the aim of which is to direct the enterprises to sustainable growth through voluntary and responsible behavior and actions.

CSR indicates the balanced approach to the financial, social and environmental impact of company operations according to the three dimensions "society - environment - economy" that are globally accepted by the responsible members of the business community. These outline the main objectives of an organization to create value for its shareholders, while at the same time caring for the satisfaction of its customers, its personnel, the environment and society in general.

Relevant to this is also the concept of sustainable growth, meaning the growth that aims at covering today's needs without jeopardizing the availability of resources for future generations:

Consequently, MOTOR OIL is committed / pledges to fully conform with the ten principles of the UN Global Compact, regarding:

Human rights.

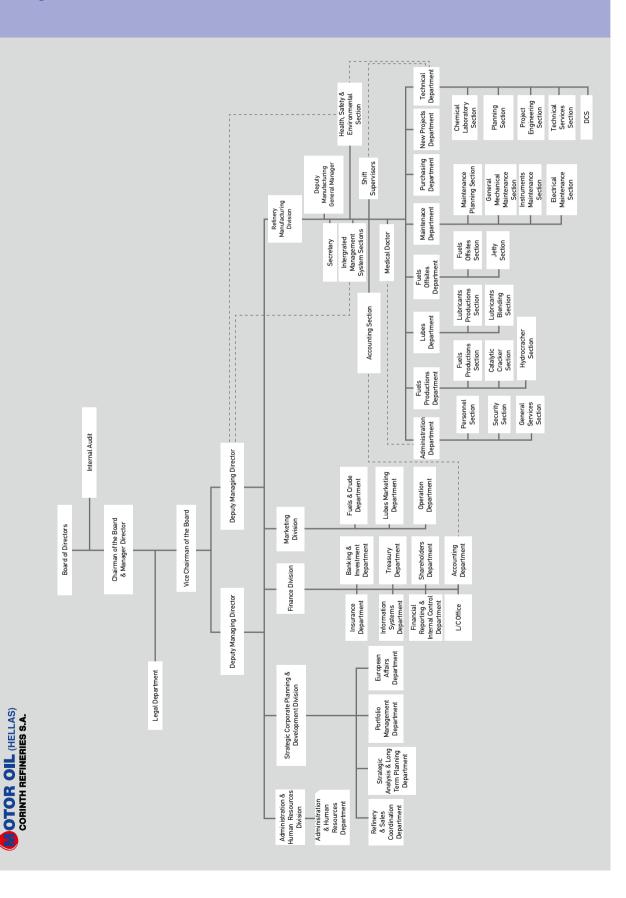
- Labor
- The environment and
- Transparency (anti-corruption)

Amongst the challenges that MOTOR OIL faces, the most important ones are related with managing Health, Safety and the Protection of Environment. The frame for the management of these challenges and the achievement of continuous improvement in these particular sectors, according to the principles of Corporate Social Responsibility and the UN Global Compact, is defined by the policy for Health, Safety and the Environment.

CORPORATE RESPONSIBILITY MANAGEMENT MODEL **HUMAN RESOURCES** ENVIRONMENT ENVIRONMENT • Health and safety • Clean fuels No. WHELE • Employment rights and equal opportunities Redused emissions Education and training • Rational energy management • Discretionary benefits • Technical optimization **IMPROVING IMPROVING** CONDITIONS **PERFORMANCE** SHAREHOLDERS, THE PUBLIC PROMOTING RESPONSIBLE CUSTOMERS. MARKET AND ETHICAL SOCIETY • Contribution to culture, sports PRACTICES **SUPPLIERS** and the environment Support for socially vulnerable • Corporate governance • Quality and reliability Stimulating entrepreneurship Responsible growth • Jobs



1.4. Organization Chart



1.5 Refinery Process Flow Chart LPG LPG/NAPHTHA/ HYDROGEN UNIT TIP NAPHTHA GASOLINE STABILIZER NAPHTHA HDT H2 REFORMER (CCR) ___ BENFREE JET MEROX HDS GAS OIL CRUDE OIL DIESEL TOPPING UNITS DIMERSOL CONCENTRATION LPG MEROX POLISHING UNIT MTBE **GASOIL** $\overline{\mathbf{V}}$ FCC ALKYLATION VACUUM DISTILLATION МНс (FCC) BASE **LUBES** SOLVENT HYDROFINISHING DEWAXING EXTRACTION VACUUM DISTILLATION **FUEL OIL** (LUBES) VISBREAKER **ASPHALT** MOTOR OIL (HELLAS) **ATHENS** CORINTH



1.6 Activities – Products

MOTOR OIL Refinery processes several types of crude oil, producing a wide range of oil products that fulfill the strictest international specifications, serving this way oil companies both in Greece and abroad.

Products produced in the Refinery include:

FUELS						
	Liquefied Petroleum Gas (LPG)					
	Naphtha					
	Gasoline					
	• Jet fuels					
	• Diesel Oil					
	• Fuel Oil					
LUBRICANTS						
	Base lubricants					
	Automotive lubricants					
	• Gear Oils					
	Industrial lubricants					
	Marine lubricants					
OTHER PRODUCTS						
	Asphalt					
	Paraffin					
	• Sulfur					

The maximum annual capacity of the main production units is the following:

3	
Atmospheric Distillation Units	7,952,502 MT
Visbreaker	1,638,120 MT
Vacuum Distillation Unit/ Lubricants	823,440 MT
Heavy Hydrocarbons Desulphurization Unit	1,314,000 MT
Naphtha Desulphurization Unit	832,200 MT
Naphtha Catalytic Reforming Unit	569,000 MT
Benzene Hydrogenation Unit (Benfree unit)	444,815 MT
Vacuum Distillation Unit/ FCC	2,741,880 MT
Fluid Catalytic Cracking	1,533,600 MT
Mild Hydrocracker Unit	2,014,800 MT

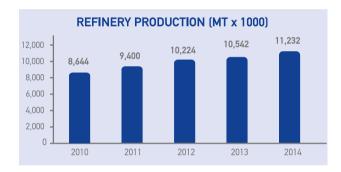
Storage and distribution premises include:

9 tanks for crude oil storage	1,080,000 m ³
127 tanks for intermediate and final product storage	1,382,400 m ³
Docks for tankers loading and unloading	
Pipelines for transferring raw materials and products	
Truck Loading Terminals	

The Company product sales volume followed a constantly upward trend over the last years as presented in the next diagram:



The total Refinery production volume for the years 2010 to 2014 is shown in the diagram below:



The amount of raw materials that the Company processed over the last nine years is shown in the following diagram:



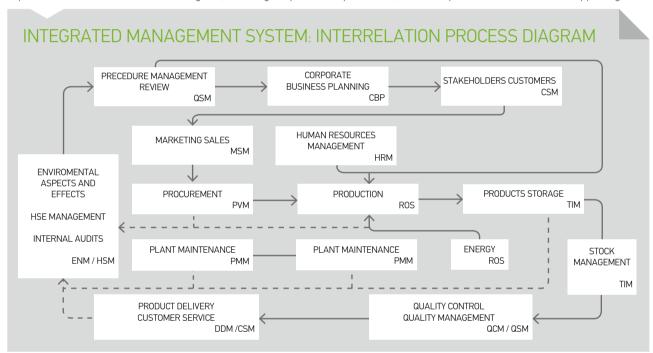
The quantities of raw materials processed during the last four years, reflect the new operational conditions of the Refinery after the addition of the new Crude Distillation Unit (CDU) having a capacity of 60,000 barrels per day. This unit was commissioned in 2010.

02 ENVIRONMENTAL MANAGEMENT

2.1 Environmental Management System

Making a continuous and systematic effort, MOTOR OIL has developed and implemented an Integrated Management System that includes Quality (ISO 9001:2008 and ISO 17025:2007), Environment (ISO14001:2004 and EMAS ER 1221/2009), Health and Safety Management (OHSAS 18001:2007) and certification CE marking of Bitumen and bituminous binders in accordance with the European Construction Products Directive 305/2011/EEC and in accordance to the requirements of the European Standard EN 12591:2009.

The scope of the management system concerns the manufacturing, trading and distribution of fuels, biofuels, lubricants, waxes, bitumens, sulphur and special mineral oil derivatives. The Management System consists of a series of mutually interacting processes as it is depicted in the Interrelation Process Diagram, including the production processes, the critical processes as well as the supporting ones.



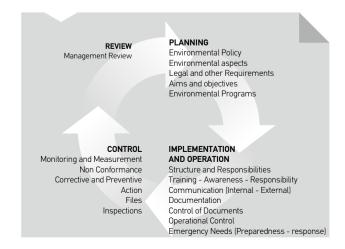
The explanation of the Integrated Management System acronym terms in the previous diagram of the Integrated Management System are given below:

•	· ·
CBP	Corporate Business Planning
MSM	Marketing Sales Management
TIM	Tank Inventory Management
ROS	Refinery Operating Scheme
DDM	Delivery & Dispatch Management
ENM	Environmental Management
HSM	Health & Safety Management
PMM	Plant Maintenance Management
CSM	Customer Satisfaction Management
PVM	Procurement Vendors Management
QCM	Quality Control Management
HRM	Human Resources Management
QSM	Quality System Management

Environmental Management is included in the Company's supporting processes. The Environmental Management System aims at accomplishing a continuous environmental improvement

in compliance with the current Greek and European environmental legislation through the continuous effort to minimize the diverse operations' impact on the Environment.

The System structure follows the steps of a dynamic cyclical process, as depicted in the following diagram.





MOTOR OIL's Environmental Management System includes the following levels of documentation:

- A Manual of the Integrated Management System, which constitutes a guide for the implementation, maintenance and improvement of the Environmental Management System.
- Procedures Environmental Management Guidelines, which describe the sequence of actions, the assignment of authorities and the relevant forms.
- Files Forms and Documents.

One of the main points in planning and implementing the Environmental Management System, is the identification of environmental aspects and the evaluation of the environmental impacts.

The identification of the environmental aspects and the relevant impacts, is accomplished by a wide group of company staff and executives, which includes the Heads of Sections, employee representatives the Head of the Health, Safety and Environment Section, the General Manager of Manufacturing, as well as the Deputy General Manager of Manufacturing, in order to ensure a multilateral approach to the identification and control of the environmental aspects.

The identification of the impacts is accomplished through:

- Inspection of the Refinery process units and other premises
- Investigation of the environmental documentation (manuals, procedures, forms and archives)
- The regular / scheduled or unscheduled (as required) internal audit

The investigation of the environmental impacts takes into account the following:

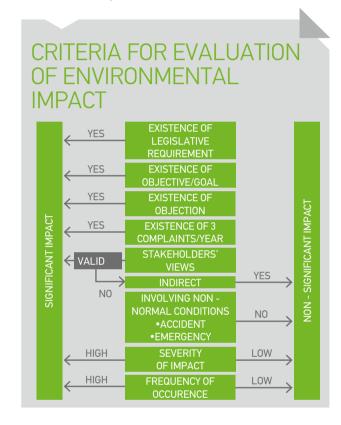
- · Current regulatory requirements and their modifications
- The opinion of stakeholders and related parties
- The operation of the Refinery under
- normal conditions
- irregular conditions
- > probable emergency conditions

The environmental impacts are assessed according to a series

of criteria; more specifically:

- every legislatively regulated impact is considered important
- every impact related with the environmental policy and/or an already established target / objective of the company is considered important
- every impact for which an objection or a complaint has been raised, or is viewed as significant by relevant stakeholders, is considered important

The assessment method of the environmental impacts is shown on the following diagram, from which the most important environmental impacts are extracted.



2.2 Health, Safety and Environmental Policy (HSE Policy)

MOTOR OIL operates in a way that fully respects / with full regard for Health, Safety and the Environment. To achieve that, MOTOR OIL is committed to:

- Set objectives and targets in order to accomplish a continuous improvement of the implemented management systems concerning Health, Safety and the Environment.
- Meet or exceed the demands of legal and other requirements
- Manufacture products of guaranteed quality that comply with, or exceed Health and Environment Protection specifications for each product, and with efficient use of raw materials, energy and technology.
- Report both good and bad performance, as a responsible corporate citizen.
- Maintain emergency preparedness and response systems and plans, ensuring that all appropriate drills are regularly performed.

- Integrate Health, Safety and Environmental issues into all business decisions, plans and operations in the framework of the Integrated Management System.
- Provide consultation, information and training to employees, contractors and others working on its behalf and ensuring their commitment and awareness.
- Conscientiously and strictly implement the environmental operation terms that define the allowed level of produced wastes.
- Cooperate with all stakeholders so as to develop balanced Health, Safety and Environmental Protection programs, which take into account the needs of all those involved.

At MOTOR OIL, whatever we schedule, plan or do, we do it safely, in an environmentally friendly and a cost-effective manner.

2.3 Environmental Programs, Objectives and Improvements

During the years 2010 - 2014 the company has implemented numerous programs aiming at the minimization of the environmental impacts of its operations, while reducing losses, recovering raw material residues / residues of raw materials and reducing production cost. The programs implemented and their time of completion is shown in the following table:

	2010	2011	2012	2013	2014
AIR			•		
Improving waste gas emissions monitoring					
Upgrading the air quality monitoring station at the port for measuring additional pollutants (benzene).	•				
Certification of continuous emissions measuring systems of SO_2 , NO_x and suspended solids at large combustion plants stacks of fuels, lubricants and MHC units, according to international standards (QAL2)			•	•	
Certification of continuous emissions measuring systems of SO_2 , NOx and suspended solids at LCP stacks of fuels, lubricants and MHC units, according to international standards (AST).				•	•
Estimation of heavy metals and polycyclic hydrocarbons concentration as a fraction of suspended solids PM_{10} in ambient air.			•	•	•
Estimation of Ni concentration as a fraction of suspended solids PM ₁₀ in ambient air at the Ag.Theodoroi area				•	•
WATER					
Conduct a hydrogeological study to define the water direction of the aquifer, in order to finalize the location of monitoring and control bores.	•				
Utilization of available inactive equipment in the industrial waste water treatment plant.		•			
Installation of Conductivity meters in inlet and outlet of the desalination plant				•	
New desalination plant installation				•	
SOIL					
Tear-down asbestos-cement sheets of 1075 m² surface and disposal through a licensed company	•				
Investigation of alternative ways of management of the tank bottom sludges, after their treatment in decanter.	•	•	•		
ENERGY					
Exploitation of natural gas in the production process	•				



2.4 Environmental Aspects and Impacts

The environmental impacts are classified as [follows]:

- Direct or indirect: This depends on whether the company has or has not the responsibility of their direct handling, taking into account the existing legal context, contracts with clients or suppliers, as well as the feasibility for the company to control the impacts.
- Major or minor depending on whether handling these impacts is controlled by the Environmental Management System.

All the environmental impacts related to the operation of the Refinery have been evaluated according to their significance and among them the following are characterized as important:

- Air emissions from point sources and refinery production processes
- Industrial and Sanitary waste water
- Solid waste, hazardous or not
- Energy and water consumption
- Noise

All the above environmental impacts are monitored and recorded on a regular basis, and relevant measures are continuously taken, so that the Company will act appropriately in order to improve its environmental performance. A similar evaluation of impacts is also carried out during the construction of new projects.

At the same time, the Company has evaluated the indirect environmental impacts resulting from the interaction with third parties, products and services over which the Company does not have any administrative control.

The main environmental aspects associated with gas emissions, liquid and solid waste, and the indirect environmental impacts are described in the following sections.



2.4.1 Waste gas

Air emissions due to the operation of the Refinery units, as well as their sources are shown at the following diagram.

- FurnacesBoilers an
- •Boilers and Burners
- Stripping gas units
- Sulfur recovery units (Catalytic conversion of H₂S into sulfur and then combustion of fuel gases)
- Fuel storage
- API Oil Separators
- Loading and unloading of raw materials and products
- Leakages from the distribution network

- CO₂, NOx, SO₂, Suspended Solids Emissions from stationary combustion sources
- SO,, H,S

H₂S emissions are minimal because of their complete conversion into solid sulfur

VOC's emissions

Volatile Organic Compounds emissions are coming from fuel storage tanks, API Oil Separators, as well as from leakages that may occur during transportation of fuels within the refinery

The Refinery takes a series of measures and implements programs - applying best available techniques - aiming at reducing waste gas emissions in the atmosphere. These measures include:

- Treatment of sour and liquid gases before their storage, or their use as a self-consumption fuel, aiming at removing hydrogen sulfide.
- Operation of sulfur recovery units aiming to convert the produced hydrogen sulfide into solid sulfur, which is environmentally friendly.
- Operation of electrostatic filter (ESP) at FCC stack in order to reduce the suspended solid emissions
- Gradual replacement of burners by equivalent with low-NOx emissions.
- · Maximising natural gas usage
- Reduction and control of hydrocarbon emissions by taking several measures, such as the installation of closed circuits in gas processing operations, the routing of gases from safety valves to flares, secondary seals in floating roof tanks, floating covers in oil separators and a Vapor Recovery Unit (VRU) in the Truck Loading Terminal.
- · Performance control of burners and boilers.
- Monitoring of air emissions through continuous and periodic measurements.

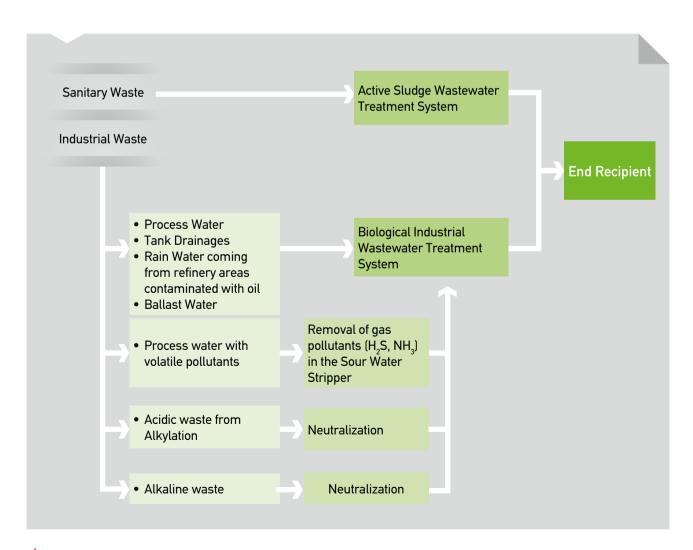
242 Waste Water

Wastewater produced in the refinery is distinguished in two categories:

- · Industrial wastewater
- Sanitary wastewater

Industrial wastewater, which includes process water, tank drainage, rainwater coming from refinery areas contaminated with oil is directed either directly, or after some pre-treatment process, to the Industrial Waste Water Treatment plant (secondary treatment), where the pollutant load is reduced, and the water is discharged, according to the environmental provisions and terms.

Sanitary wastewater coming from personnel catering and hygiene areas is treated in an active sludge wastewater treatment system (tertiary treatment). The qualitative characteristics of the treated wastewater are within the defined legislative limits.





2.4.3 Solid Wast

Solid waste generated in the Refinery consists of domestic waste resulting from human activities (consisting of household solid waste such as, paper and metal, food leftovers etc.) and of industrial solid waste (such as scrap materials, spent catalysts, etc.) which is produced during the different stages of the production process.

In order to ensure their safe environmental management and to prevent or reduce the negative consequences on the environment and the human health and safety risk, the Company implements an environmental integrated plan including the waste collection, transportation and temporary storage or treatment, until the final disposal. The final disposal is performed by licensed companies, depending on the nature of the materials, while the ultimate goal is waste reduction or reuse.

The company submits an annual waste report to the competent authorities of the Ministry of Reconstruction of production, Environment and Energy where all the waste types and the way of disposal / management, are reported.

In the table below, the main types of solid waste produced by the company facilities are presented.

Type of Waste	EWC CodeA	Management Method
Mixed Metals	170407	Recovery (Recycling)
Wooden packaging	150103	Recovery (Recycling)
Plastic packaging	150102	Recovery (Recycling)
Paper and cardboard packaging	150101	Recovery (Recycling)
End-of-life tyres	160103	Recovery (Recycling)
End-of-life vehicles, containing neither liquids nor other hazardous components	160106	Recovery (Recycling)
Spent fluid catalytic cracking catalysts (except 160807)	160804	Recovery (Recycling - Reclamation)
Alumina	050199	Recovery (Recycling - Reclamation)
Used activated carbon	050199	Recovery (Use as a fuel)
Inactive pellets	050199	Recovery (Recycling - Reclamation)
Linings and refractories from non-metallurgical processes, other than those mentioned in 161105	161106	Recovery / Disposal
Stabilised wastes other than those mentioned in 190304	190305	Collection and disposal
Discarded electrical and electronic equipment	200135*	Recovery (Recycling)
Discarded electrical and electronic equipment	200136	Recovery (Recycling)
Mixed municipal waste	200301	Collection, Recycling and disposal
Batteries Ni, Cd	160602*	Recovery (Recycling)
Batteries Pb	160601*	Recovery (Recycling)
Other engine, gear and lubricating oils	130208*	Recovery (Reprocessing)
Spent catalysts	160803/ 160802*	Recovery (Reclamation / Regeneration)
Metal Wastes, contaminated with hazardous substances	170409*	Recovery (Recycling)
Waste blasting material, other than those mentioned in 120116	120117	Recovery (Recycling)
Packaging containing residues of or contaminated by dangerous substances	150110*	Recovery
Laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals	160506*	Collection and disposal
Fluorescent tubes and other mercury-containing waste	200121*	Recovery (Recycling)
Soil and stones containing hazardous substances	170503*	Bioremediation and disposal
Soil and stones other than those mentioned in 17 05 03	170504	Collection and disposal
Construction materials containing asbestos	170605*	Collection and disposal
Plastics	200139	Recovery (Recycling)
Composite Packaging	150105	Recovery (Recycling)
Mixed Packaging	150106	Recovery (Recycling)
Paper and Cardboard	200101	Recovery (Recycling)
Absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	150202*	Collection and disposal
Glass, plastic and wood containing or contaminated with dangerous substances	170204*	Recovery
Other hydraulic oils	130113*	Recovery (Reprocessing)

2.4.4 Indirect Environmental Aspects

The indirect environmental impacts are mainly related to the air pollution caused by forklifts and other vehicles, the H/C gas emissions during loading and unloading of the products into the ships, the noise coming from tank truck traffic and vessel stopover in anchorages, the wastewater of AVIN station, as well as the side impacts in case of an accident during the transport of products to and from the refinery either from suppliers or to customers.

Within the framework of the Integrated Management System, the Company evaluates its environmental performance and trains its suppliers, contractors and subcontractors on several environmental issues and continuously gives information to its customers regarding the usage and distribution of the products. At the same time, it investigates new, environmentally mild solutions to its transportation needs and attends to the effective organization of its raw material and product transport.

2.4.5 Environmental Incidents

Having set as main priorities the prevention of the undesirable effects of the operation of the units and the minimization of hazards during operations, the Company aims at the elimination of environmental incidents / accidents.

For that purpose the Company has compiled Emergency Plans that are fully compliant with the local and national plans for fighting pollution through which it provides necessary directions for the making the right decision and taking appropriate action. At the same time, the Company trains systematically its personnel in order to ensure that appropriate action is taken in response to any emergency.

The effectiveness of the above activities is attested to by a record of no environmental incidents / accidents during 2014, as well as in previous years.

03 RESULTS OF YEAR 2014

3.1 Environmental Performance of 2014

3.1.1 Waste Gas Management

Aiming at the minimizing of air emissions, the company fully and constantly monitors the air emissions (point and diffuse emission) through continuous, periodic measurements within the Refinery and also the air quality in the wider area

The industrial premises of MOTOR OIL utilize modern equipment for monitoring air quality and point emissions coming from different sources during the production process. The Monitoring network of Air Quality consists of a mobile station (A) that has the capability to measure and record continuously pollutants such as hydrogen sulfide (H_2S), sulfur dioxide (SO_2), suspended solids (PM_{10}), nitrogen oxides (NO, NO_2 , NOx), methane (CH_4), non-methane hydrocarbons (NMHC), total hydrocarbons (THC), benzene (C_6H_6), carbon monoxide (CO), as well as, meteorological parameters (wind speed and direction, temperature and relative humidity of air). In addition there are three permanent stations for measuring hydrogen sulfide (H_2S) and sulfur dioxide (SO_2). Two out of three permanent stations are located within the refinery premises (B, C), and the third one at the Agioi Theodoroi Police Department (see map).

Moreover, in order to finalize the pollutants measured, the frequency of measurement and the sampling position, concerning the Ni concentration in ambient air, samples were collected around the nearest residential area (Ag. Theodoroi) and analyzed. The results showed that the Ni concentration is much lower than the limit values established by the law and no action is needed.

Air emissions are controlled by a network of Continuous measuring devices, which are connected to the Refinery Control System (DCS) as well as periodic measurements by an Independent, third party.

Continuous measurements are performed to:

- Oxygen in all combustion plants in order to control combustion,
- Sulfur dioxide (SO₂), suspended solids, nitrogen oxides (NO_x) and operational parameters (flow, oxygen, pressure and temperature of fuel gases) at the Large Combustion Plants (stacks with rated thermal input >50MW).

Note that in 2012 - in order to optimize the monitoring of emissions - the automated measuring systems of pollutants (SO_2 , NO_x , dust) in large combustion plants, were certified according international standards of QAL2 and as required by standard, the certification is evaluated annually (annual surveillance test-AST).

- Sulfur dioxide (SO₂), suspended solids, nitrogen oxides (NOx), carbon monoxide (CO) and operating parameters (flow, oxygen, pressure, humidity and temperature of fuel gases) at the Catalytic Cracker Unit (FCC).
- Sulfur dioxide (SO₂), oxygen and temperature at the exit of Claus Units

At the other stacks, the air emissions are being checked by periodic measurements every three months.

The results of the above measurements are compared with the pollutants' limit values of air emissions and for air quality, as set in the Approval of the Environmental Terms and in the following laws:



JMD 14122/549/E103/11 (Government Gazette 488B)

JMD 22306/1075/E103/07 (Government Gazette 920/08.06.07)

JMD 29457/1511/05 (Government Gazette 992/B/14.07.05)

JMD 36060/1155/E103/2013 (Government Gazette 1450/B/14.06.2013)

A list of Environmental Legislation items that concern the company is offered in Annex I of this Environmental Statement.

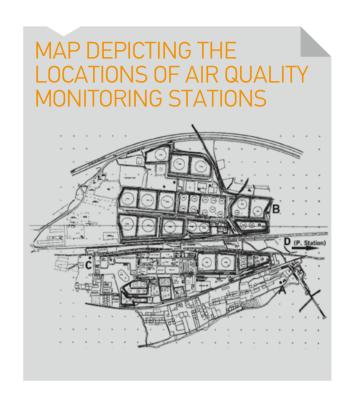
Company compliance with the requirements of the Legislation is audited on both a regular and an ad hoc basis. The regular audits are made via the Internal Audits of the Environmental Management System (relevant procedure QSM-02 «Management Evaluations») at least once a year.

The ad hoc audits are made after a decision of the Manufacturing General Manager, or the Technical Dpt. Manager, or the Integrated Management System Section Head, depending on the factual elements contained in the information that is continuously provided to them.

Air Quality:

H₂S₁ SO₂, NO₂, NO₃, PM₁₀, CH₄, NMHC, THC, CO, Benzene

The results of the monitoring program show that the air quality of the Refinery area was and continues to be quite satisfactory.



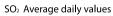
The recorded data of the year 2014 and of the preceding years show that not only there aren't any excesses of the allowed limits set by legislation, but also the observed values are much lower than the marginal ones.

The average hourly, daily and monthly values of pollutants, measured by the mobile station of the Air Quality Monitoring Network for the year 2014, are presented in the following table and the corresponding diagrams.

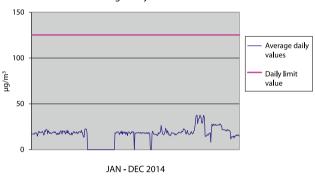
	11.6	CO	NO	NO	OH	NIMILIO	TUO	00	DM	
	H ₂ S	SO ₂	NO ₂	NO _x	CH ₄	NMHC	THC	CO	PM ₁₀	Benzene
2014	μg/m³	μg/m³	μg/m³	μg/m³	ppb	ppb	ppb	mg/m³	μg/m³	μg/m³
JANUARY	4.2	18.5	17.0	20.2	2,410	1,221	3,631	0.3	19.9	2.6
FEBRUARY	4.1	18.6	23.4	26.8	2,309	964	3,273	0.2	20.3	2.5
MARCH	4.0	18.5	15.6	18.4	2,224	1,085	3,309	0.3	20.0	2.5
APRIL	4.1	18.7	16.1	19.3	2,202	1,320	3,522	0.2	19.9	2.4
MAY	4.2	18.5	17.0	19.3	2,166	1,492	3,657	0.2	19.7	2.4
JUNE	4.0	18.4	17.6	19.4	1,886	1,312	3,198	0.2	20.2	2.4
JULY	4.0	18.2	17.7	19.3	2,005	1,672	3,677	0.3	20.0	2.5
AUGUST	4.1	18.3	16.5	19.2	2,178	1,745	3,923	0.2	19.8	2.4
SEPTEMBER	4.1	18.5	16.0	18.8	2,087	1,186	3,273	0.2	20.1	2.2
OCTOBER	3.3	27.0	15.0	18.1	1,951	1,443	3,394	1.2	17.8	2.2
NOVEMBER	5.4	22.5	18.5	22.7	1,786	1,111	2,897	1.5	20.5	3.1
DECEMBER	5.3	17.8	20.3	25.5	1,668	1,372	3,040	0.7	17.3	3.2
YEARLY AVERAGE	4.2	19.5	17.6	20.6	2,073	1,327	3,400	0.5	19.6	2.5
				LIMIT V	ALUES					
Period of Average										
hourly		350	200							
8 hr								10		
Daily		125							50	
Annually			40						40	5

Sulfur Dioxide

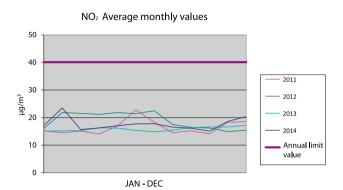
SO₂ Average monthly values 40 40 2011 2012 2013 2014



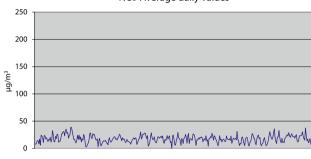
JAN - DEC



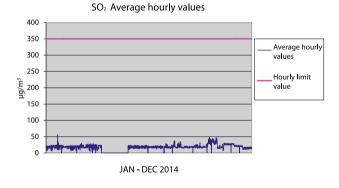
Nitrogen Oxides



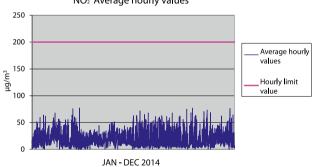
NO₂ Average daily values



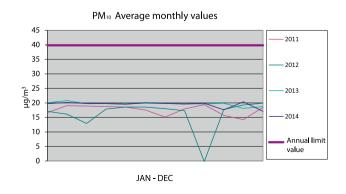
JAN - DEC 2014



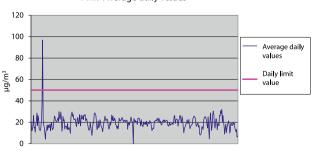
NO₂ Average hourly values



PM₁₀ Suspended Solids



PM₁₀ Average daily values

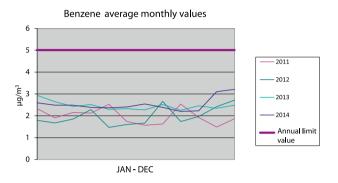


JAN - DEC 2014



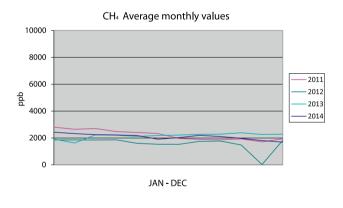
On 21st of January 2014, as stated to the Ministry of Reconstruction of production, Environment and Energy, values of Suspended Solids of PM_{10} exceeded the limit value, due to weather conditions prevailing in the area (presence of dust). After the expiration of the phenomenon, the values returned to normal levels.

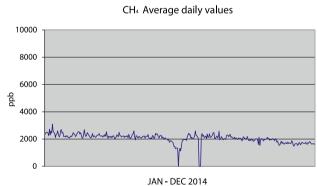
Benzene

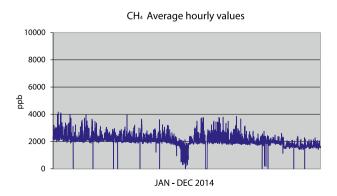


It must be noted that the Refinery is not the only source of air pollutants in the wider area of the installations. Other sources of air pollutants are the road traffic (National road Athens – Corinth), the presence of various Industrial Plants and the railway network.

Methane



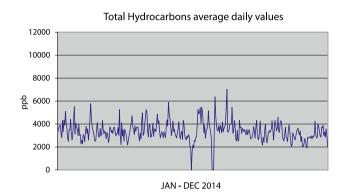


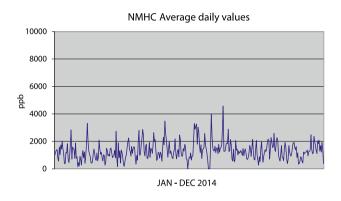


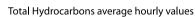
Non-Methane Hydrocarbons

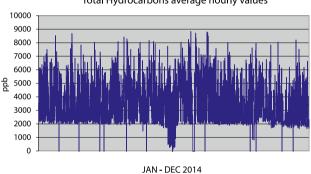
NMHC Average monthly values 10000 8000 6000 4000 2000 JAN - DEC

Total Hydrocarbons

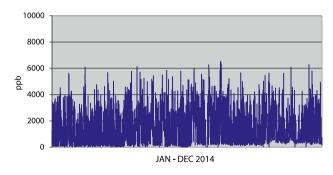




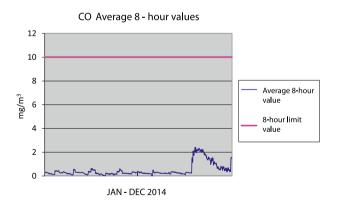








Carbon Monoxide



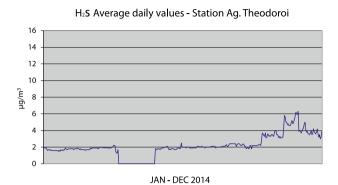
Air Quality: H₂S

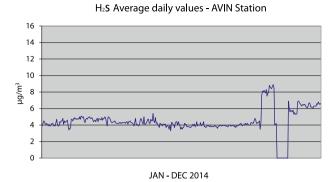
The refinery has achieved minimization of hydrogen sulfide emissions by upgrading the sour gas processing units as well as the sulfur recovery units. H_2S concentration is monitored on a daily basis in all of the four stations of the Air Quality Monitoring Network.

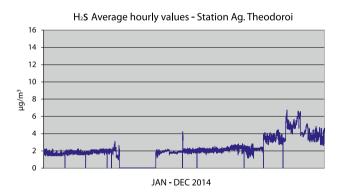
Based on the results of the measurement of air quality station in the area of Ag. Theodoroi and the regional stations of refinery (near the port facilities, east of 752 tank and at the parking area of AVIN) is concluded that H₂S concentration in the wider refinery area is remarkably low.

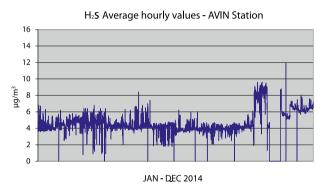


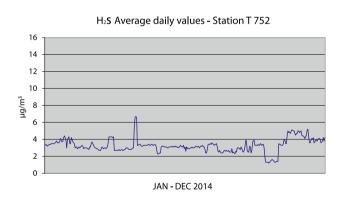
2014 RESULTS 03

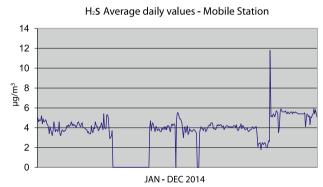


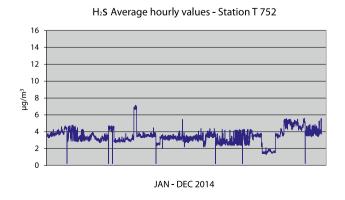


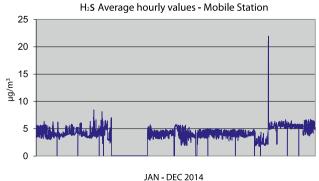












Sulfur dioxide and Nitrogen oxides emissions

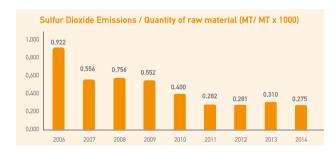
In 2007 the emissions of sulfur dioxide were remarkably reduced compared to previous years, despite the expansion of the process units and increased production. This is mainly due to the decrease of the sulfur content in self-consumption fuel.

Also in 2014, the long-term downward trend in emissions, was maintained, as shown in the diagram below.

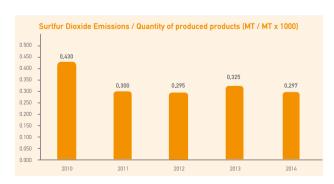


The reduction of sulfur emissions is achieved through the continuously improved emission control technology used and mainly thanks to the operation of new sulfur recovery units, where the hydrogen sulfide produced is converted to elemental sulfur and the latter is used by fertilizer manufacturers as raw material.

The diagram below shows a plot of the specific sulfur dioxide emissions (MT ${\rm SO_2}$ / thousand MT of raw materials) for the last years.



The specific index of sulfur dioxide emissions (MT ${\rm SO_2}$ / thousand MT of produced products) for the last five years, are shown at the diagram below.

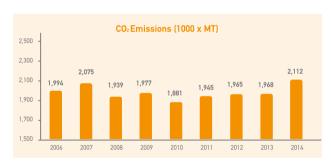


The emissions of Nitrogen Oxides (NOx) for 2014 are 2,752 tn and the specific index per thousand MT of produced products for last five years are shown at the diagram below:



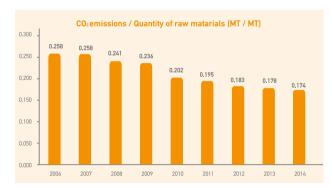
Carbon dioxide emissions

Carbon dioxide emissions (according to the European Directive 2003/87/EC) for 2014 were 2,112,000 tones. The annual emissions of carbon dioxide over the last years are shown at the diagram below.



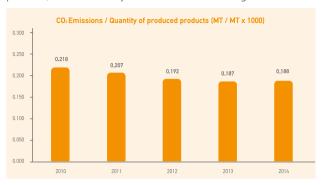
The slight increase in carbon dioxide emissions, comes from the increase in refinery production volumes.

The specific carbon dioxide emissions (MT $\rm CO_2$ / MT of raw materials) for the period 2006 to 2014 are shown at the following diagram, with characteristic declining trend.



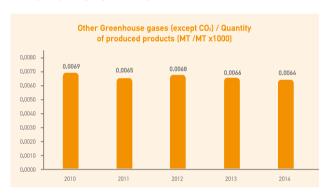


The specific carbon dioxide emissions (MT CO2/ MT of produced products) for the last five years are shown at the diagram below.



The declining trend of specific carbon dioxide emissions per quantity of raw materials and also per quantity of produced products, were achieved during the last years, due to implementation of Environmental protection projects and also due to the monitoring and checking of emissions.

It is also noted that the quantity of other greenhouse gas emissions except ${\rm CO_2}$ (concerning emissions of ${\rm CH_4}$, HCFCs, ${\rm SF_6}$, HFCs and ${\rm N_2O}$) are remain practically constant. For 2014 was 72.21 ton and the specific index per quantity of produced products are shown at the table below:



Emissions of Volatile Organic Compounds (VOCs)

With the target of reduction and control of Volatile Organic Compounds, $\,$

the Company has implemented amongst other a series of programs that include the reduction of diffused emissions coming from different sources (oil separators, unit equipment) and the installation of secondary seals in the floating roof tanks.

Diffused emissions of Volatile Organic Compounds, is a chemical and oil industry characteristic that is not only a source of pollution but also a cause of forgone profits and loss of products for the industry. Thus, the goal of reducing such emissions is dual. The antipollutant measures taken in order to reduce the emissions coming from oil product storage and distribution units, include equipment upgrades (tanks, pumps, etc), as well as regular inspections and maintenance of all units, which is very crucial in emissions control. In order to reduce the emissions arising from the loading of tank trucks, a vapour recovery unit has been installed, in conformity with current legislation, which is the most effective and globally accepted measure for minimizing such emissions.

Specifically, in order to check the equipment, the Leak Detection And Repair (LDAR) program is applied, by which the leakages are detected and recorded during regular inspections done by the operators of the various sections. The inspections are carried out by making use of portable devices, and the leakages are fixed the soonest possible.

The number of inspections for the year 2014 is 12,518. The following diagram shows the annual number of inspections for the last years.



The inspections, which carried out in 2014, under the leak detection program (Leak Detection And Repair, LDAR) and their distribution per refinery unit are shown in the following table.

	FUELS	FCC	LUBES	OFFSITES	JETTY	MHC/7100	TRUCK LOADING	MONTHLY TOTAL
JANUARY	574	109	34	90	35	0	0	842
FEBRUARY	708	105	35	79	47	0	0	974
MARCH	712	101	35	87	25	0	149	1,109
APRIL	698	105	35	59	34	0	0	931
MAY	564	102	36	84	14	84	0	884
JUNE	707	101	34	81	24	0	0	947
JULY	678	104	35	78	35	0	0	930
AUGUST	448	104	35	85	47	1,565	0	2,284
SEPTEMBER	564	109	35	76	25	0	0	809
OCTOBER	564	105	36	111	34	0	149	999
NOVEMBER	711	102	34	63	14	0	0	924
DECEMBER	612	101	35	113	24	0	0	885
ANNUAL CHECKS/UNIT	7,540	1,248	419	1,006	358	1,649	298	
TOTAL								12,518

3.1.2 Waste Water Treatment

Industrial wastewater produced by the Refinery's production units is routed, after its pre-treatment, into the industrial wastewater treatment plant, where it is subjected to a sequence of treatment steps that are depicted on the diagram that follows (API Oil Separators, Dissolved Air Floatation (DAF) units, sand filters, biofilters, sludge treatment). At the same time, sanitary wastewater is treated in the sanitary wastewater treatment plant.

The goal of industrial and sanitary wastewater treatment systems is the full treatment of wastewater so that the treated effluent is in compliance with the requirements of current legislation. Wastewater effluents are measured on a daily basis, whereas, a number of programs are implemented aiming at efficiently dealing with the effects of malfunctioning of the treatment units, the automation of their functioning and the optimization of their performance. The quality characteristics of the effluents are shown in the table that follows, where one can conclude that in all cases the measured values are lower than those defined by the legislation.

The results of the measurements are in conformance with the corresponding threshold limits of the parameters, as they are set in the Prefecture Decision 17823 / 79 (Gazette No.1132 / B / 79), which

has been modified by the Prefecture Decision A3 / 6533 /81 (Gazette No. 477 / B / 81), in accordance with the provisions of Prefecture Decision 7859/02 (Gazette 1212 / B / 02).

Concentration of polluting parameters at the outlet of the industrial wastewater treatment plant.

As far as the results of Industrial Waste of the Waste Water Treatment Plant, are shown below:

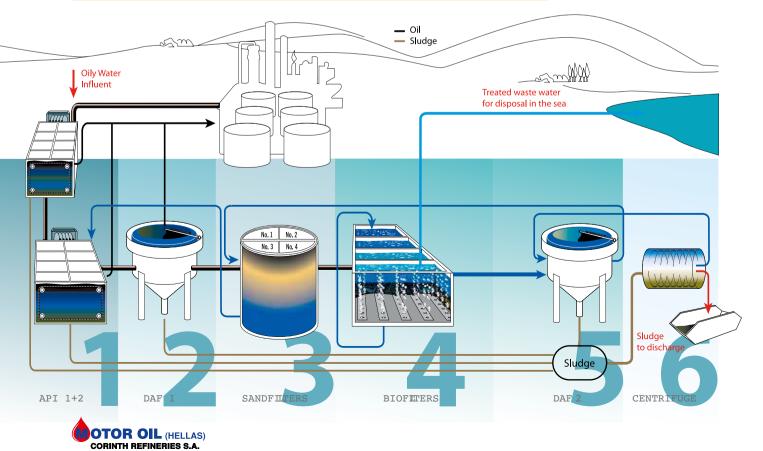
S/N	Parameter	Average 2014 values	Threshold Limits
1	рН	7.54	6-9
2	Temperature (oC)	25	35
3	Oil Content (mg/l)	2.5	10
4	BOD5 (mg/l)	24.5	40
5	COD (mg/l)	106	150
6	NH3 (mg/l)	13.5	15
7	Phenols (mg/l)	0.28	0.50
8	Sulfides (mg/l)	1.1	2
9	Suspended solids (mg/l)	17.7	40

Hydraulic and polluting load of the industrial wastewater treatment plant is as follows:

S/N	Parameter	Average 2010 values	Average 2011 values	Average 2012 values	Average 2013 values	Average 2014 values
1	Discharge (m3/day)	10,529	10,663	10,983	9,485	9,817
2	BOD5 (kg/day)	247	256	260	232	241
3	Suspended solids (kg/day)	178	190	189	159	174
4	Phenols (kg/day)	3.30	3.01	3.03	2.15	2.72

Terminology

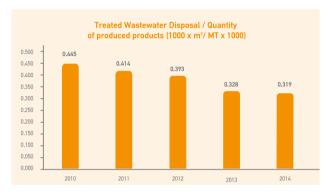
BOD: Biochemical Oxygen Demand **COD:** Chemical Oxygen Demand



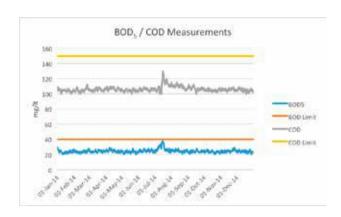
In the following diagram, is shown the specific volume of treated wastewater (1000 x m 3 / 1000 x MT of raw materials) for the last six years.



Furthermore, the specific volume of treated waste water per quantity of produced products for the last five years, is as follows:



In the following diagram the variation, during 2014, of the BOD and COD values of the industrial wastewater treatment plant is presented.



At the following table the results of BTEX in the output of industrial wastewater treatment plant for the year 2014, according to the YPAPEN instructions, are presented:

JMD 4859/726/01 (FEK 253B)	Monthly threshold limits	Daily threshold limits	Sample at the outlet of Waste Water Treatment Plan	Sample at the outlet of Waste Water Treatment Plan
			June 2014	October 2014
Sampling	mg /l	mg /l	mg/l	mg/l
Benzene	0.5	1	<0.005	<0.005
Toluene	0.5	0.9	<0.01	< 0.01
Xylene	0.5	0.9	<0.01	<0.01
Ethyl benzene	0.3	0.6	<0.01	<0.01

Sanitary Wastewater Treatment Plant Outlet

A/A	Parameter	Average 2010 values	Average 2011 values	Average 2012 values	Average 2013 values	Average 2014 values	Threshold Limits
1	рН	7.9	7.6	7.6	7.7	7.9	6-9
2	BOD5 (mg/l)	21	20	18	19	23	40
3	COD (mg/l)	51	52	45	47	56	150
4	Suspended solids (mg/l)	12	16	17	16.3	15	40
5	Phenols (mg/l)	0.22	0.22	0.17	0.10	0.13	0.50

3.1.3 Solid Waste Management

Solid waste produced during the refinery's operation is collected and processed according to the relevant legislation (indicatively): Law 2939/01 (Gazette No. 179/A) – Packaging and alternative management of packaging and other products, Ministerial Decree 50910/2727/03 (Gazette No. 1909/B) – Measures and terms for the managing of solid waste, Ministerial Decree 13588/725/06 (Gazette No. 383/B) – Measures and terms for managing hazardous waste), by the following methods:

- Recycling (outside the refinery premises)
- Recovery (outside the refinery premises)
- Processing inside the refinery premises
- Re-usage
- Final disposal (outside the refinery premises)

The Refinery is aiming at the increase of recycling and re-usage of the produced waste. The amount of solid waste that was disposed and managed outside the refinery premises, over the last years, is shown in the following table

Solid Waste Management

		t/year 2010	t/year 2011	t/year 2012	t/year 2013	t/έτος 2014
050199	Waste not otherwise specified			44.27	399.34	295.778
080318	Waste printing toner other than those mentioned in 08 03 17			0.17		
120117	Waste blasting material other than those mentioned in 120116					904.48
150105	Composite packaging			42.32	211.6	208.4
150106	Mixed Packaging			46.45	256.25	262.8
150107	Glass Packaging			6.2	6.2	6.2
160804	Spent fluid catalytic cracking catalysts (except 160807)				733.86	2,521.83
160601*	Lead batteries	10.458	10.548	1.61	4.3	7.82
160106	End-of-life vehicles, containing neither liquids nor other hazardous components					5.06
130113*	Other Hydraulic oils				66.088	
160103	End of life tyres	3.34				1.82
130208*	Other engine, gear and lubricating oils	113.098	45.357	2.15	126.004	27.516
150103	Wooden packaging	123.38	58.36	39.47	88.69	98.4
150101	Paper and cardboard packaging	10.01	1.07	11.12	87.45	96.34
150102	Plastic packaging	3.56	14.36	26.54	140.9	145.5
170407	Mixed metals	1,394.79	1,822.95	553.52	811.03	1,181.36
200301	Mixed municipal waste	505.357	598.68	510.02		
200136	Discarded electrical and electronic waste	2.73				
200140	Metals			2.5	12.5	10.14
170409*	Metal Waste, contaminated with hazardous substances		9.09			
170904	Mixed construction and demolition wastes other than those mentioned in 170901, 170902, 170903			9.5		
150110*	Packaging containing residues of or contaminated by dangerous substances	8.46	44.82	27.1	20.61	13.84
160209*	Transformers and capacitors containing PCBs					2.04
160506*	Laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals	0.05		0.058	0.20	0.27
160507*	Discarded inorganic chemicals consisting of or containing dangerous substances			0.074		
160508*	Discarded organic chemicals consisting of or containing dangerous substances			0.186		
200121*	Fluorescent tubes and other mercury-containing waste	0.12				1.22
200101	Paper and Cardboard			9.34	46.7	55.7
170503*	Soil and stones containing dangerous substances	111.95	10.97			
170504	Soil and stones other than those mentioned in 17 05 03					693.87
170605*	Construction materials containing asbestos	7.77		13.34		
150104	Metallic Packaging			1.1	5.5	5.5
170204*	Glass, plastic and wood containing or contaminated with dangerous substances				11.27	
150202*	Absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protecting cloths contaminated by dangerous substances				0.0966	
200139	Plastics	374.23		17.35	86.75	88.1
180103*	Waste whose collection and disposal is subject to special requirements in relation to prevent infection				0.0095	0.0205
200135*	Discarded electrical and electronic equipment					5.52





The specific quantity of solid waste per quantity of raw materials for the last six years is as follows:



The specific quantity of solid waste in relation to the production (waste/thousand MT of produced products), is shown below:

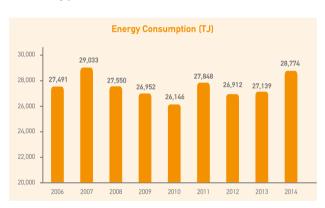


The total amount of solid waste quantity are 6,639.52 tones and from which quantity of 6,581.27 tones are non-hazardous waste. Quantity of 58.25 tones solid waste are characterized as hazardous. The specific index of hazardous waste per amount of product for 2014 is 0.0052 tn / thousand MT of produced products.

3.1.4 Energy Consumption

The energy consumption of the refinery includes the fuel used in combustion processes and the electric power for the operation of mechanical equipment, which is almost exclusively produced by the Power and Steam co-Generation Plant. The refinery fuel mixture includes fuel oil, fuel gas, liquefied gas and natural gas.

The projects that were completed in the previous years, (mainly the introduction of natural gas in the refinery fuel mixture in 2008, the replacement or extensive maintenance of gas turbines, the upgrade of the preheating furnaces, the increase of the recovery level of condensates, the installation of an Advanced Control System, the use of hot streams to preheat cold streams, the maximization of refinery gas usage etc), combined with the systematic monitoring of energy efficiency and the preventive maintenance schedules, contributed to the stabilization of the refinery energy consumption over the last years, even though the production volume increased. The energy consumption by the refinery processes for 2014 is 28,774 TJ.

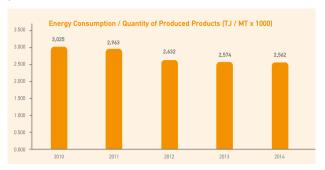


Furthermore, the improvement in energy efficiency is shown by the ratio of Energy / thousand Metric Tons of raw materials.



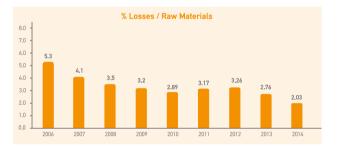
It must be noted that the usage of raw material volume (instead of end product volume) as a comparison basis is justified since this measure is commonly and internationally acceptable as benchmark for the assessment of the impact on the environment from crude refining premises (bref: IPPC reference document on best available techniques for mineral oil and gas refineries) and at the same time allows the correct interpretation and timeliness evaluation of the environmental efficiency of the refinery.

The specific index of Energy / thousand Metric Tons of produced products is shown below:



The reduction in energy consumption has an immediate positive impact both on emitted ${\rm CO_2}$ and on other pollutants, since its optimization results in minimization of emissions (indicator of efficient use of materials)

Total losses have decreased during the last years compared to those of 2006, as shown in the diagram below. The decreasing trend of total energy losses continued in 2014.



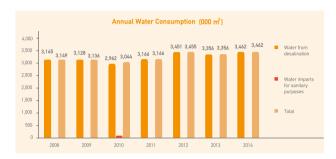


2014 RESULTS 03

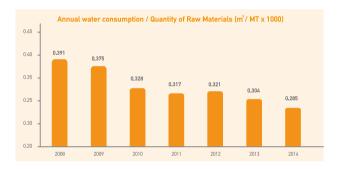
3.1.5 Water Consumption

Water used for the Refinery's various operations is obtained by sea water desalination, while the raw water carried by tank trucks and vessels has been eliminated.

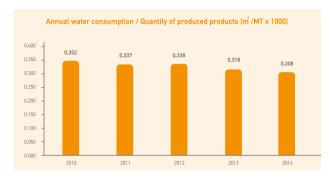
The quantity of water consumed during the last years, are shown at below diagram.



The specific index of water consumption per quantity of raw materials for the last seven years is shown at the diagram below and is an indicator of efficient use of materials.



The specific index of water consumption per unit of produced products ($m3 / M.T \times 1000$), is shown at the following diagram.



It should be emphasized that the water being used in the manufacturing process comes exclusively from the processing of sea water, and consequently, there is no negative impact on the natural resources of the area whatsoever.

It is also pointed out that, in the context of the company's social contribution, amounts of water covering the water supply needs of nearly two hundred neighboring residences are granted free of charge.

3.1.6 Noise

Having set as a goal the reduction of environmental noise levels within and up to the boundaries of the Refinery premises, the Company has taken all the necessary measures, which include the installation of silencers, as well as the purchasing of low noise level equipment.

In order to achieve reduction in the noise levels, sound curtains have been installed at the aeration units of the wastewater treatment plant.

The noise levels are monitored on a regular basis by conducting measurements at a large number of locations around the Refinery. The positions where measurements are recorded are shown on the following Map.



Indicative measurements for 2014 are presented in the following table:

Locations	Average Measurements January 2014	Average Measurements June 2014	Average Measurements November 2014	Threshold Limits (dBA)	
	(dBA)	(dBA)	(dBA)		
Perimeter of the refinery-	52.7	53.5	53.3	65.0	
South perimeter (points 1 to 15)	52.3	52.4	52.4	55.0	



04 OBJECTIVES

4.1 New objectives and programs

MOTOR OIL constantly implements new programs and actions aiming at improving its environmental performance, while setting new objectives for the future. The objectives and programs that are planned for the following years are presented in the following table.

OBJECTIVES AND PROGRAMS	2015	2016	2017
AIR			
Improving the alkaline waste treatment, by upgrading unit 6300, in order to reduce the load of odorants / smells	•		
Installation of analyzers for continuous measurement of SO_2 , NOx, Dust, CO and operating conditions (CO_2 , H_2O , pressure, temperature and flue gas flow) of gas turbines stacks with a rated thermal input> 100 MW	•	•	
Reducing of CO_2 Emissions (tn/h) in unit M100 by 6% after the furnace F101 replacement with new and more energy efficient furnace.	•	•	
WATER / WASTEWATER			
Improving the storage / transportation of chemical substances in normal or emergency conditions, by construction of new storage facility, for the optimal environmental management	•		
SOIL / EARTH			
Reduction of the quantity of solid waste stored in the Refinery and implementation of new alternative management methods:			
- Management of the sludge from the dewatering unit of the waste water treatment plant (WWTP)	•	•	•
- Alternative management and use of solid waste (catalysts, resins, discoloring earth) by the cement industry (through a licensed disposal company).	•	•	
- Alternative treatment of the sludge from the bottom of the tanks after treatment in a decanter	•	•	•
- Sludge stabilization		•	•

REGISTRATION INFORMATION / NEXT ENVIRONMENTAL STATEMENT

The company is registered in the European System of Ecological Management and Audit Scheme EMAS. Moreover the company is registered in the Greek Ledger of EMAS Organizations with registration number EL000067.

The present Environmental Statement concerns the year 2014. The next Environmental Statement will be edited, verified and issued in June 2016.

Mr. Spyros J. Sofos, Integrated Management System Section Head is responsible for issuing the Environmental Statements.

1. ORGANIZATION	
Company name	MOTOR OIL (HELLAS) CORINTH REFINERIES S.A
Address	Agioi Theodoroi , p.o box 23, 20100
City	Corinth
Postal Code	20100
Country	GREECE
Contact Person	S. J. Sofos
Telephone	27410 - 41800
Fax	27410 - 48255
e-mail address	sofossp@moh.gr
Company website	www.moh.gr
Public access to the env	vironmental statement
or the updated enviro	onmental statement
a) printed form	YES
b) electronic form	YES
Registration number	EL 000067
Registration date	July 2007
Suspension date	
Deletion date	
Date of the next verification of environmental statement	June 2016
Date of the next updating of environmental statement	June 2016
Application for deviation according to article 7	NO
Code of activities NACE	DF.19.20
Personnel headcount	984
Turnover or Total Assets	7,436,908,000 €



2. LOCATION OF ACTIVITIES

Company name	MOTOR OIL (HELLAS) CORINTH REFINERIES S.A
Address	Agioi Theodoroi , p.o box 23, 20100
City	Corinth
Postal code	20100
Country	Greece
Contact Person	S. J. Sofos
Telephone	27410 – 41800
Fax	27410 - 48255
e-mail address	sofossp@moh.gr
Company website	www.moh.gr
Public access to the envi	ronmental statement
or the updated enviror	nmental statement
a) printed form	YES
b) electronic form	YES
Registration number	EL 000067
Registration date	July 2007
Suspension date	
Deletion date	
Date of the next verification of environmental statement	June 2016
Date of the next updating of environmental statement	June 2016
Application for deviation according to article 7	NO
Code of activities NACE	DF.19.20
Personnel headcount	984
Turnover or Total Assets	7,436,908,000 €

3. ENVIRONMENTAL CERTIFICATOR

Name	BUREAU VERITAS HELLAS S.A
Address	Aitolikou 23, Pireas
City	Pireas
Postal Code	185 45
Country	Greece
Telephone	210 – 4063000
Fax	210 – 4063118
e-mail address	grc_scscer@gr.bureauveritas.com
Number of registration or accreditation	EL-V-0007 (246-6)
NACE codes	NACE 19
Accreditation or Certification institution	E.SY.D
Athens, 25/06/2015	
Organization Representative Signature	

Corinth 29th of June 2015

ANNFX I

LEGISLATION LIST

SUBJECT GREEK AND EUROPEAN COMMUNITY LEGISLATION

Environmenta Permissions

- Environmental Law 1650/86 (Gazette No-160 A') For the protection of the environment.
 - Ministerial Decree 69269/5387/90 (Gazette No 678/B 25.10.90) Categorization of activities and projects. Content of study for the Environmental
 Impacts, determination of content for special environmental studies and other relevant provisions according to the law 1650/86.
 - MD 1661/1994 (Gazette No786B/94) Amendment and supplement the provisions of JMD 69269/5387 Joint Decision of Ministers of Environment, Public Works and Tourism.
 - MD 30557/1996 (Gazette No 136B/96) Amendment and supplement the provisions of the JMD 69269/5387/90 (678 / B).
 - MD 84230/1996 (Gazette No 906B/96) Amendment and supplement the provisions of the JMD 69269/5387/90 (678 / B).
 - Directive 96/61/EC Of the European Council of 24 September 1996 concerning integrated pollution, prevention and control, as amended by Directive 2008/1/EC and replaced by Directive 2010/75/EC.
 - Law 3010/02 (Gazette No 91A / 25.04.2002) Conformity with the law 1650/86, with the Directives 97/11 EC and 96/61 EC, Procedure of
 delimitation and regulations of issues related to the water streams and other provisions.
 - Ministerial Decree 11014/703/Ф104/2003 (Gazette No 332/20.03.2003) Procedure of Preliminary Environmental Assessment and evaluation
 and approval of the environmental terms according to the article 4 of the Law 1650/1986 as it was replaced from the article 2 of the Law
 3010/2002 «Conformity of the Law 1650/86 with the Directives 97/11/EC and 96/61/EC and other provisions».
 - Law 3325/2005 (Gazette No 68A/2005) Foundation and operation of industrial manufacture installations in the frame of a sustainable growth and other provisions.
 - Directive 85/337/EEC For the assessment of the environmental impacts.
 - Directive 97/11/FFC which modifies the Directive 85/337/FFC
 - Law 3982/2011 (Gazette No 143/A/17.6.2011) Simplify of licensing professional technical and manufacturing activities, business parks and other provisions.
 - Law 4014/2011 (Gazette 209/A/21.09.2011) Environmental permission of projects and activities, regulation of illegal constructions in accordance with environmental balance and other provisions of Environmental Ministry.
 - Ministerial Decree 1958 (Gazette No 209/A/2011) Categorization of public and private projects and activities according to the article 1 of law 4014/21.09.2011.
 - MD 20741/2012 (Gazette No 1565 / B`/ 8.5.2012) Amendment of 1958/13.12012 decision of the Minister of Environment, Energy & Climate Change, about « Classification of public and private projects and activities into categories and subcategories according to Article 1, paragraph 4 of Law 4014/21.9.11 (209 / A) «(21 / B)
 - MD 21697/2012 (Gazette No 224/YODD/--/3.5.2012) Establishing of a Central Council environmental permitting (KESPA) in accordance with paragraph 1 for article 13 of Law 4014/2011 (209 / A).
 - MD 48963/2012 (Gazette No 2703 / B`/ 5.10.2012) Specifications of content of environmental permits for projects and activities under the Category A No. 1598/13.1.12 Minister's decision environment, Energy and Climate Change (21 / B), as applicable in accordance with Article 2 § 7 of Law 4014/11 (209 / A).
 - MD 166476/2013 (Gazette No 595 / B 03.14.2013) Amendments of 1958/13.1.2012 (Gazette 21 / B) of the Minister of Environment, Energy & Climate Change about «Classification of public and private projects and activities into categories and subcategories under Article 1 § 4 of the Law 4014/21.9.11 (GG 209 / A) «, as amended by Decision No. 20741/8.5.2012 (Gazette No 1565 / B).
 - MD 65150/1780/2013 (Gazette 3089 / B / 04.12.2013) Replacement of Annex VII of MD 1958/2012 'Classification of public and private projects and activities into categories and subcategories in accordance with Article 1, paragraph 4 of Law 4014/21.09.2011 (Gazette 209/A/2011) » (21 / B), as applicable.
 - MD 170225 (Gazette 135V/27-01-2014) Specialized of File contents for environmental permitting projects and activities of the Class A, of
 the Minister Decision of Environment, Energy and Climate Change No. 1958/2012 (B 21) as applicable, in accordance with Article 11 of Law
 4014/2011 (A 209), as well as any other relevant detail.
 - JMD 1649/45 / Gazette 45B / 15-01-2014 Specialization of processes about receiving opinions and information ways and participation of
 the public concerned to the public consultation during the environmental licensing of projects and activities of Class A Decision of the Minister
 of Environment, Energy and Climate Change no. 1958/2012 (Government Gazette A 21), as defined in Article 19, paragraph 9 of law. 4014/2011
 (Government Gazette A 209), and any other relevant detail.

Air pollution

- Presidential Decree 1180/81 (Gazette No 293 A) «About regulation of issues related to the foundation and operation of industries, manufactures, all nature of mechanical installations and storages for the insurance of the environment»
- Directive 92/42/EEC Of the Council at 21.05.1992 on efficiency requirements for new hot-water boilers fired with liquid or gaseous fuels.
- Ministerial Decree 11294/93 (Gazette No 264/B) Terms of operation and approved limits of gas waste emissions from the industrial boilers.
- Ministerial Decree 11641/1942/2002 (Gazette No 832/B/ 02.07.2002) Measurements and terms for the reduction of the Volatile
 Organic Compounds (VOC) Emissions which are resulted from the use of organic solvents in some activities and installations (Gazette No
 832B/02.07.2002).



SUBJECT | GREEK AND EUROPEAN COMMUNITY LEGISLATION

- MD 29457/1511/2005 (Gazette No 992B/05) Establishment of measures and procedures to reduce emissions of certain pollutants from large combustion plants, in compliance with the provisions of Directive 2001/80/EC about «the limitation of emissions of certain pollutants from large facilities «of the Council of 23 October 2001.
- MD 22306/1075/E103/2007 (Gazette No 920B/07) Establishment of Objectives and limits assessment of concentrations of arsenic, cadmium, mercury, nickel and polycyclic aromatic hydrocarbons in ambient air, in compliance with the provisions of Directive 2004/107/EC about "Relating to arsenic, cadmium, mercury, nickel and polycyclic aromatic hydrocarbons in ambient air of the Council of 15 December 2004».
- Ministerial Decree 37411/1829/E103 (Gazette No B 1827/11 September 2007) «Determination of the appropriate values, meters and
 procedures for the application of the Regulation 2037/2000 of the European Parliament and of the Council of 29 June 2000 «on substances
 that deplete the ozone layer».
- MD 14122/549/E. 103/2011 (Gazette No 488B/11) Measures to improve air quality in compliance with the provisions of Directive 2008/50/EC about «the ambient air quality and cleaner air for Europe» of the European Parliament and of the Council of the European Union on 21 May 2008».
- MD 10735/651/2012 (Gazette No 2656/B/28.9.12) Installation, Operation and Control of Steam Boilers.
- JMD 36060/115/E.103 (Gazette 1450/V/14.6.2013) Definition guidelines, measures and procedures for the prevention and control of pollution from industrial activities, in conformity with the provisions of Directive 2010/75/EE "about industrial emissions (integrated pollution prevention and control)» of the European Parliament and of the Council of 24 November 2010.
- MD 26910/852/E103/2013 (Gazette 1021/B/04.25.2013) -Amendment of JMD 54409/2632/2004 'trading scheme for greenhouse gas emission in compliance with the provisions of Directive 2003/87/EC ... etc» (1931 / B), as applicable, in compliance with the provisions of Directive 2009/29/EC «amending Directive 2003/87/EC, in order to improve and extend the trading system greenhouse gas emissions of the Community» by the European Parliament and of the Council of 23 April 2009».
- Directive 2010/75/EU and Executive Committee's decision of 09.10.2014 about determination of the conclusions on best available techniques
 under Directive 2010/75 / EU of the European Parliament and the Council on the oil and gas refining
- **JMD 70601** Short-term action plans to tackle air pollution by particulate matter

Hazardous waste

- Directive 78/319 of 20.03.78 for toxic and hazardous wastes.
- Directive 91/689/EEC of 12.12.1991 for hazardous wastes.
- **Decision 94/904/EEC** of 22.12.1994.
- Commission Decision 96/350/EC of 24.05.1996 adapting Annexes IIA and IIB to Council Directive 75/442/EEC on waste
- Ministerial Decree 13588/725/2006 (Gazette No 383/B/28.03.2006) «Measures, terms and restrictions for handling hazardous wastes according to the Directive 91/689/EEC for hazardous waste» Replacement of the Ministerial Decree 19396/1546/1997 «Measures and terms for handling hazardous waste».
- Ministerial Decree 24944/1159 (791 B / 2006) Approval of the General Technique Specifications for handling the hazardous wastes according
 to the article 5 (paragraph B) of the 13588/725 common ministerial decision «Measures, terms and restrictions for handling the hazardous
 wastes etc» (B' 383) and in conformity with the provisions of the article 7 (paragraph 1) of the Directive 91/156/EEC of the 18 March 1991 Council».
- Ministerial Decree 8668/2007 (Gazette No 287 B / 2.03.2007) Approval of national planning of Handling Hazardous Wastes according to the article 5 (paragraph A) 13588/725 common ministerial decision «Measures, terms and restrictions for handling the hazardous wastes etc» (B' 383) and in conformity with the provisions of the article 7 (paragraph 1) of the Directive 91/156/EC of 18 March 1991 Council». Modification of the Ministerial Decree 13588/725/2006.
- MD 52167/4683/2012 (Gazette No 37/B/12) Adaptation of Greek legislation to the provisions of Directive 61/2010/EE of 2nd September 2010 adapting to scientific and technical progress of the Annexes of Directive 2008/68/EC of the European Parliament and of the Council about the internal transport of hazardous goods.
- MD 146163/2012 (Gazette No 1537/B/12) Measures and conditions for waste management of healthcare activities.

General Waste

- Directive 91/156 EEC of 18.03.91 which modifies the Directive 75/442 for waste.
- Directive 94/62/EC of 20.12.1994 of packaging and packaging waste.
- Ministerial Decree 114218/97 (Gazette No B 1016) «Creation of a frame with the specifications and general programs for managing the solid waste».
- Law 2939/2001 «Packaging and alternative management of packaging and other products. Foundation of National Organization of Alternative Management of Packaging and other products.
- Ministerial Decree 50910/2727/2003 «Measurements and terms for managing the solid wastes National and Regional Planning of Management».
- Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on waste.
- Ministerial Decree 9268/469/2007 (B 287/2007) Modification of the quantitative objectives for the recuperation and recycling of the waste packaging according to the article 10 (paragraph A1, last section) of the law 2939/2001 (A' 179), as well as other provisions of this law, in conformity with provisions of the Directive 2004/12/EC «amending Directive 94/62/EC on packaging and packaging waste» of the Council of 11 February 2004.
- L. 3854/2010 (Gazette No 94/A/10) Amendment of legislation for alternative management of packaging and other products, and the National Organization of Alternative Packaging Management and Other Products and other provisions.
- JMD 8111.1/41/09 Measures and conditions for port reception facilities for ship generated waste and cargo in compliance with the provisions
 of Directive 2007/71/EC. Replacement of JMD 3418/07/02 (GG 712 B) «Measures and conditions for port reception facilities for waste generated
 on ships and cargo residues.»
- Explanatory Circular 24040/2590/2013 Implement legislation on cross-border transportation of non hazardous waste.

SUBJECT	GREEK AND EUROPEAN COMMUNITY LEGISLATION
Electrical and Electronic equipment	 Presidential Decree 117 of 5.04.2004 - «Measurements, terms and programs for alternative management of the waste which result from the electric and electronic equipment», in conformity with the provisions of the Directive 2002/95 «on the restriction of the use of certain hazardous substances in electrical and electronic equipment». Presidential Decree 15/2006 (Gazette No 12/ A' /3.02.2006) - Modification of the presidential decree 117/04 (82/A), in conformity with the provisions of the Directive 2003/108/EC of the European Council of 8 December 2003 amending Directive 2002/96/EC on waste electrical and electronic equipment (WEEE). MD 133480/2011 (Gazette No 2711/B/11) - Amendment of Annex IB of PD 117/2004. JMD 23615/651/E.103 (Gazette 1184V/09-05-2014) - Definition of rules, terms and conditions for the alternative management of waste electrical and electronic equipment (WEEE) in compliance with the provisions of Directive 2012/19/EC "about waste electrical and electronic equipment (WEEE), «the European Parliament and of the Council of 4 July 2012 and other provisions.
Lead Batteries and Accumulators	 Presidential Decree 115/2004 (Gazette No 80A / 2004) - «Replacement of Ministerial Decree 73537/1438/95 "For the electrical columns and accumulators which consist certain hazardous substances" (B781) and 19817/2000 Ministerial Decree «Modification of 73537/1438/95 Ministerial Decree etc» (B' 963) Measurements, terms and program for alternative management of electrical columns and accumulators». Ministerial Decree 41624/2057/E103(Gazette No 1625 B/2010) - Measurements, terms and program for alternative management of the waste, electrical columns and accumulators in conformity with the provision of the Directives, 2006/66/EC and 2008/103/ EC of the European Parliament and Council.
Waste oils	 Directive 75/439/EEC of 16.06.1975 on the disposal of waste oils. Directive 87/101/EEC About the disposal of waste oils. Presidential Decree 82/2004 Of 02.04.2004 (Gazette No 64/2004) - «Replacement of Ministerial Decree 98012/2001/96 "Determination of the measurements and terms for managing the used waste oils". Measurements, terms and program of alternative management of waste lubricant oils».
Tyres	 Directive 94/62/EC of 20.12.1994 on packaging and packaging waste. Presidential Decree 109/2004 - «Measurements and terms for managing the used tyres of vehicles. Measurement for their management».
Noise	 Presidential Decree 1180/81 (Gazette No 293 A) - «About regulation of issues related to the foundation and operation of industries, manufactures, all nature of mechanical installations and storages for the insurance of the environment». Directive 2000/14/EC on the approximation of the laws of the Member States relating to the noise emission in the environment by equipment for use outdoors. Directive 2002/49/EC of the European Parliament and of the Council of 25 June 2002 relating to the assessment and management of environmental noise. Ministerial Decree 37393/2028/2003 (Gazette No 1418B) - Measurements and terms for the noise emission in the environment by equipment for use outdoors. Ministerial Decree 13586/724/2006 (Gazette No 384B) - «Determination of measurements, terms and methods for assessment of the management of noise in the environment, in conformity with the provision of the Directive 2002/49/EC «related to the assessment and management of environmental noise» of the Council of 25.06.2002. MD 9272/471/2007 (Gazette No 286/B/07) - Amendment of Article 8 of JMD No. 37393/2028/2003 (1418 / B), in compliance with the provisions of Directive 2005/88/EC about «amending Directive 2000/14 / EC on the approach of the laws of Member States relating to the noise emission in the environment by equipment for use outdoors» of the Council of 14 December 2005.
Chemical Substances	 Ministerial Decree 378/94/20.09.1994 (Gazette No B' 705) - Approval of the AXΣ 378/1994 related to: «Dangerous substances, classification, packaging and labeling of them, in conformity with the Directive 67/548/EEC of the European Council as it has been modified and is in effect. MD 455/1998/1998 (Gazette No 1314/B/98) - Amendment of MD 378/94 (705 / B) in compliance with Directive 96/54/EC (EEL 248 of 30.09.1996) of the European Community about «adapting to technical progress for the twenty-second time of Council Directive 67/548/EEC on the approach of laws, regulations and administrative provisions relating to the classification, packaging and labeling of hazardous substances'. MD 482/98/1998 (Gazette No 1316/B/98) - Amendment of MD 378/94 (705 / B) in compliance with Directive 96/56/EC (EEL 236 of 18.09.1996) of the European Community about «amending Directive 67/548/EEC on approach of laws, regulations and administrative provisions relating to the classification, packaging and labeling of hazardous substances'. MD 511/98/1999 (Gazette No 168/B/99) - Amendment of MD 378/94 (705 / B) in compliance with Directive 96/54/EC (EEL 343 of 12.13.1997) of the European Community about «adapting to technical progress for the twenty-third time of Directive 67/548/EEC on the approach of laws, regulations and administrative provisions relating to the classification, packaging and labeling of hazardous substances'. MD 690/99/2000 (Gazette No 294/B/00) - Amendment of Art. 32 of MD 378/94 (705 / B) about «hazardous substances, classification, packaging and labeling of these in compliance with Council Directive 67/548/EEC of the European Communities». MD 677/99/2000 (Gazette No 294/B/00) - Amendment of MD 378/94 (705 / B) in compliance with Directive 98/73/EC (EEL 305 of 11.16.1998), of Commission of the European Community about «adapting to technical progress for the twenty-fourth time of Directive 67 / 548/EEC on the approach of laws, regulations and administrative prov



SUBJECT | GREEK AND EUROPEAN COMMUNITY LEGISLATION

- MD 652/2000/2001 (Gazette No 363/B/01) Amendment of MD 378/94 (705 / B) in compliance with the Directive 98/98/E.K. (EEL 355 of 12.30.1998) of the European Community about «adapting to technical progress for the twenty-fifth time of Directive 67/548/EEC on the approach of laws, regulations and administrative provisions relating to the classification, packaging and labeling of dangerous substances' in compliance with the Remedial Directive 98/98/E.K. (EEL 293 of 15.11.1999 and EEL 136 of 06.08.2000).
- MD 388/2001/2002 (Gazette No 170/B/02) Harmonization of national legislation with the regulation 2000/21/E.K, 2000/32/EC, 2000/33/EC of Commission of the European Communities.
- MD 41/2002/2002 (Gazette No 755/B/02) Amendment of MD 378/94 (705 / B) in compliance with Directive 2001/59/EC (EEL 225 of 21.08.2001) of the European Community about «the adaptation technical progress for the twenty-eighth time of Directive 67/548/ EEC on the approach of laws, regulations and administrative provisions relating to the classification, packaging and labeling of dangerous substances.
- AXΣ 265/2002 (Gazette No B 1214) Classification, packaging and labeling of dangerous preparations in conformity with the direct 1999/45/EC and the directive 2001/60/EC.
- MD 558/2004/2005 (Gazette No 605/B/05) Amendment of MD 378/94 (705/V/20-9-94) in compliance with Directive 2004/73/EC (EEL 152 of 04.30.2004) of Commission of the European Community about «adapting to technical progress for the twenty-ninth time of Council Directive 67/548/EEC on the approach of laws, regulations and administrative provisions relating to the classification, packaging and labeling of dangerous substances', amending Directive 2004/73/EC (EEL 216 of 16.06.2004) and Directive 2004/73/EC (EEL 236 of 07.07.2004.
- MD 270/2006 (Gazette No 100/B/06) Completion of Decision 265/2002 (1214/V/19-9-02) about «the classification, packaging and labeling of dangerous preparations» in compliance with Directive 1999/45/EC of the European Parliament and of and Directive 2001/60/EC.
- MD 73/2006 (Gazette No 832/B/06) Amendment to the Decision 265/2002 on harmonization of national legislation with Directive 2006/8/EC of Commission about «amending for the purpose of adaptation to technical progress, Annexes II, III and V of the Directive 1999 / 45/EC of the European Parliament and of the Council on the approach of laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labeling of hazardous goods.
- COMMISSION REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency and the amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Regulation (EC) No 1488/94 and Council Directive 76/769/EEC and Directives Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended and in force.
- MD 87/2007/2007 (Gazette No 872/B/07) Amendment of MD 378/1994, (Gov. 705/V/20.9.1994) in compliance with EU Directive 2006/121/EC (L 396, 30.12.2006) of the European Parliament and the Council about «amending Directive 67/548 / EEC on the approach of laws, regulations and administrative provisions relating to the classification, packaging and labeling of hazardous substances in order to adapt it to Regulation (EC) No. 1907/2006 concerning the Registration, evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European chemicals Agency».
- COMMISSION REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006, as amended and is in force.
- MD 52167/4683/2012 (Gazette No 37/B/12) Adaptation of Greek legislation to the provisions of Directive 61/2010/EE of 2 September 2010 adapting to scientific and technical progress of the Annexes of Directive 2008/68/EC of the European Parliament and of the Council on the internal transport of hazardous goods.

Solid Waste

• Ministerial Decree 9268/469/2007 (B 287/2007) — Modification of the quantitative objectives for the recuperation and recycling of the waste packaging according to the article 10 (paragraph A1, last section) of the law 2939/2001 (A' 179), as well as other provisions of this law, in conformity with provisions of the Directive 2004/12/EC «amending Directive 94/62/EC on packaging and packaging waste» of the Council of 11 February 2004.

Energy

- Directive 2002/91/EC of the European Parliament and of the Council of 16 December 2002 on the energy performance of buildings.
- Law 3661/2008 (Gazette No 89A / 2008) Measurements for the reduction of the energy consumption into the buildings and other
 provisions
- Law 3855/10 (Gazette No 95 A / 23.06.2010) Measurements for the improvement of the energy efficiency during the final use, energy services and other provisions.
- Ministerial Decree D6/B/5825 (Gazette No 407/09-09-2010) Regulation of Energy Efficiency of Buildings.

Treatment of waste-Protection of the water sources

- Sanitary Provision E1b. 221/65 (Gazette No 138B/24.02.65) Disposal of waste and industrial waste.
- Prefecture Decision 17823/79 (Gazette No 1132/B/79)
- Prefecture Decision A3/6533/81 (Gazette No 477/B/81)
- Law 1739/87 (Gazette No 201 A / 20.11.87) Management of water sources and other provisions.
- Law 3199/2003 (Gazette No 280 A / 09-12-2003) Protection and management of water conformity with Directive 2000/60/EC.
- Ministerial Decree D. YG2 / G.P. 133551/2008 (Gazette No 2089/ B'/ 09.10.2008) Modification of case (γ) of paragraph 1, article 8, E1b/221/65 Sanitary provision.
- MD 191002/2013 (Gazette 2220/B/09.09.2013) Amendment of JMD 145116/2011 «Specifying measures, conditions and procedures for the reuse of treated wastewater (354/B) and related provisions".

SUBJECT GREEK AND EUROPEAN COMMUNITY LEGISLATION Fire Protection Presidential Decree 71/1988 (Gazette No 32A/17-2-1988) - Regulation of fire protections of buildings. Presidential Decree 374/1988 (Gazette No 168A/12.08.1988) - Modification and completeness of P.D. 71/88 «regulation of fire protection of buildings» (Gazette No 32/A/28-3-88) MD 34458/1990 (Gazette No 846/B/90) - Establishment of technical specifications, configuration, design, construction, safe operation of refineries and other oil industries. ■ Ministerial Decree 58185/2474/1991 (Gazette No 360/B'/28.05.1991) - About modification and completeness of P.D. 71/88 «regulation of fire protection for buildings). Ministerial Decree 81813/5428/1993 (Gazette No 647/B'/ 30.08.1993) - Modification and completeness of π.δ 71/88. MD 54229/2498/1994 (Gazette No 312/B/94) - Modification and completion of presidential Decision 71/88 about «fire regulations in buildings». MD 33940/7590/1998 (Gazette No 1316/B/98) - Modification and supplement of PD 71/88 «fire regulations in buildings». • Fire Department Provision 12/2007 (Gazette No 545/2007) — Establishment of a book with the controls of preservation and good operation of the meters for active fire protection of the enterprises. Ministerial Decree 50292/3549/08/2009 (Gazette No 272/B'/16-2-2009) - Supply the vehicles with portable fire extinguisher. • Fire Department provision 13α/2010 - Modification of the 13/2008 Fire Department provision about «determination of the procedure for giving certificate of fire protection in enterprises which are in buildings. Decision 12/2012 (Gazette No 1794/B/98) - Introduction of the maintenance book for control and proper operation of the means of active fire protection of facilities. ■ MD 2014 (Government Gazette 2434/B/09.12.2014) — Organize, training and staff informing on fire protection issues. Environmental Presidential Provision 148 (Gazette No 190/29-09-2009) - Environmental Responsibility for prevention and repairing the damages to the Responsibility environment - Conformity with the Directive 2004/35/EC of the European Parliament and of the Council of 21 April 2004. • MD 48416/2037/E.103/2011 (Gazette No 2516/B/98) - Measures and conditions for storage of carbon dioxide in geological formations - Amendment of JMD 29457/1511/2005 (992 / B), of PD 51/2007 (54 / A) and PD 148/2009 (190 / A), in compliance with the provisions of Directive 2009/31/EC of the European Parliament and of the Council of 23 April 2009 about «the storage of carbon dioxide in geological formations and amending Council Directive 85/337/EEC, Directives of the European Parliament and Council Directives 2000/60/EC, 2004/35/EC, 2008/1/EC and Regulation (EC) No. 1013 / 2006. Law 4042/2012 (Gazette 24/A/13.02.2012) - Criminal law environmental protection – Harmonization with the directive 2008/99/EEC – Framework for the production and management of waste-Regulation of provisions of Environmental Ministry.





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