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DECISIONS

No. Δ16γ/381/5/44/Γ

Approval of Sewerage Network Bylaws of EYDAP S.A.

THE MINISTER OF INFRASTRUCTURE, TRANSPORT AND NETWORKS

Having regard to:

1. The provisions of Presidential Decree 110/2011 "Appointment of Deputy Prime Ministers, Ministers, Deputy Ministers and Alternate Ministers" (Government Gazette, Series I, No 243).
2. The provisions of Article 6, par. 2 of Presidential Decree 189/2009 "Determination and reallocation of the responsibilities of the Ministries" (Government Gazette, Series I, No 221).
3. The provisions of Article 22, par. 1 of Law 1068/1980 "On the establishment of a single body for Water Supply and Sewerage in the Athens area" (Government Gazette, Series I, No 190) as replaced by the provisions of Article 8, paragraph 4 of Law 3481/2006 "Amendments to the laws on the National Cadastre, aware and performance of works and design contracts and other provisions". (Government Gazette, Series I, No 162, Vol. A).
4. The provisions of Law 2744/1999 'Regulation of the issues of the Water Supply and Sewerage Company of the Capital (EYDAP) and other provisions' (Government Gazette, Series I, No 222).
5. The provisions of Article 90 of Presidential Decree 63/2005 "Codification of the Legislation for the Government and Governmental Institutions" (Government Gazette, Series I, No 98) and the fact that this decision causes no expenditure burdening the state budget.
6. Decision No 8172/6-12-2011 of the Prime Minister and the Minister of Infrastructure, Transport and Networks "Allocation of powers to the Deputy Ministry of Infrastructure, Transport and Networks Ioannis Magriotis" (Government Gazette, Series I, No 2795/9-12-11)
7. Document No. 386961/30-06-2011 of EYDAP S.A. and decision No. 17269/30-05-2011 of its Board of Directors.
8. Document No. Δ6/1708/11-07-2011 of the Directorate of Water Supply and Sewerage Works of the General Secretariat of the Directorate of Works of the Ministry of Infrastructure, Transport and Networks, we hereby decide:

To approve the Sewerage Network Bylaws of EYDAP S.A, as approved with decision No. 17269/30-05-2011 of its Board of Directors, which reads as follows:

ARTICLE 1 Scope

These bylaws concern the special obligations relating to the disposal of liquid waste into the waste water sewerage network, imposed on professional, industrial and small industry activities, excluding residential, office and commercial premises, in the area of responsibility of EYDAP, as set out in Article 1, paragraph 10 of Law 1068/80 and the amendments that may apply.

ARTICLE 2

Main Concepts

For the implementation of these bylaws, the following shall have the meanings set out below:

- Waste - any substance or object in solid or liquid form, included in Annex I of Article 19 of Joint Ministerial decision H.Π. 13588/752/2006, (Government Gazette, Series II, No. 383/28-3-2006 European List of Wastes), which its holder is disposing or intends to dispose or is required to dispose.
- Domestic wastewater - Wastewater from residential and service areas, coming mainly from the functions of the human body and commercial activities.
- Liquid Industrial Waste - liquid waste generated by any professional activity which is not domestic wastewater or rainwater.
- Municipal wastewater - domestic wastewater or the mixture of domestic wastewater with industrial liquid waste or rainwater.
- Hazardous Liquid Waste - liquid waste which contains hazardous substances in concentrations that are sufficient for the waste to exhibit one of the properties listed in Annex II of Joint Ministerial Decision 13588/725/2006, (Government Gazette/Series II/No 383/28- 3-2006).
- Service - The Service of EYDAP S.A. that is responsible for issuing permits for the sewage of liquid industrial waste into the sewerage network.
- Sewerage network - The pipeline system that collects, transports and discharges municipal wastewater to wastewater treatment plants.
- Priority substances - readily soluble and in small concentrations substances that are toxic for humans and the environment, which are included in the list of Decision No 2455/2001/EC annexed to Presidential Decree 51/2007.

ARTICLE 3 Connection Obligation

All properties, therefore including those that house the activities of article 1 of these Bylaws, must be connected to the wastewater sewerage network with the procedure and the terms provided by the Sewerage Network Bylaws.

ARTICLE 4 Industrial Liquid Waste Sewerage

The sewerage of industrial liquid waste into the wastewater sewerage network from the activities described in Article 1 of these Bylaws is legal, only if the following two (2) conditions are met:

- 1) The connection of the property to the sewerage network, through the respective external branching, should be constructed exclusively by the competent body. The construction of the project is confirmed by a relevant document of this body (Legal Connection).
- 2) EYDAP S.A. has granted a written Industrial Liquid Waste Sewerage Permit (Legal Sewerage).

ARTICLE 5 Discharged Liquids

5.1 The discharge of liquid industrial waste into the sewerage network is allowed only if a Sewerage Permit has been granted by EYDAP S.A. and if the values of the liquid waste parameters do not exceed the limits of Table I of Appendix I to these Bylaws. Please note that compliance with the limits set out in Table I of Appendix I should not be achieved by dilution.

Especially for cases where the desired limits of Table I of Appendix I are exceeded, and in order for the Sewerage Permit to be granted or to continue to be valid, the companies pay a Quality Exceedance Fee (TYP), which covers the recovery of the additional treatment costs of industrial biodegradable waste at the Wastewater Treatment Centers of EYDAP S.A. The calculation of the value of TYP is referred to in Appendix IV.

5.2 In any case, the sewerage or the drainage of waste in another manner into the wastewater sewerage network of EYDAP S.A. of the following is prohibited:

- a) Liquids that come from the evacuation of cesspools.
- b) Materials or compounds which according to the Sewerage Network Bylaws (Article 5) and the Table of Appendix II hereto, may put at risk the life or health of the employees, cause problems in the smooth operation of the network and wastewater processing centers and pollution of the final recipients from the treated municipal wastewater. Indicatively, the following general groups of materials and compounds are mentioned:

- Flammable, active, explosive, corrosive and radioactive substances

- Harmful or odorous materials.
- Infectious waste.
- Toxic substances.
- Non-biodegradable oils.
- Pollutants that emit hazardous gases.

The classification and management of hazardous liquid waste shall be done in accordance with joint ministerial decision No 13588/725/2006 (Government Gazette, Series II/383/28-3-2006) and the relevant revisions as well as the joint ministerial decision НП 37591 / 2031/2003 (Government Gazette, Series II, No 1419, 01.10.2003) for the waste of health units.

5.3 Businesses must consider the gradual reduction of discharges into the sewerage network of the substances of Appendix with the purpose of eliminating them in accordance with Presidential Decree 51/2007 (Government Gazette, Series I, No 54/08-03-2007).

ARTICLE 6

Industrial Liquid Waste Sewerage Permits

The legal sewerage of industrial liquid waste into the Sewerage Network requires in accordance with article 4 of these Bylaws also the issuance of a written permit for the sewerage of industrial liquid waste (Sewerage Permit) by EYDAP S.A. The categories of Industrial Waste Sewerage permits are related to the size and nature of the businesses. Businesses fall into the following three categories:

Category A. Volume of waste $V < 2 \text{ m}^3/\text{day}$, except for car washes, carpet cleaners and the cases set out in paragraph 6.1.4.

Category B. Volume of waste $V > 2 \text{ m}^3/\text{day}$, except for the cases of category C.

Category C. Special activities with moderate pollution due mainly to detergents.

Daily volume V of waste is defined as the average daily value of the quantity of liquid waste during a month of normal operation.

If the business is seasonal, only the time period during which there is a production process is taken into account for the calculation of the average value.

Category A businesses have negligible pollution loads and are usually not required to separate internal wastewater and industrial waste networks, or build treatment plants. The permit granted to them has the type of certificate for disposal without treatment of wastewater/industrial liquid waste into the sewerage network with the Consent of EYDAP S.A.

Businesses that are classified in category B and C are required, in order to be licensed by EYDAP, to separate their internal wastewater networks from the industrial liquid waste networks and to construct a sampling cleanout as well as the necessary treatment projects, depending on the nature of the business, before their disposal into the Sewerage Network.

In all cases the business fills out a standard application document to the Service, which lists all the necessary information for its classification in the appropriate category and the further management of the licensing cases.

Businesses are required to allow entry to the Service's employees, in order for them to carry out unscheduled checks of the production and product storage processes and facilities, checks of the industrial liquid waste treatment including sampling whenever deemed necessary.

6.1 Category A.(Sewerage Consent)

6.1.1 In businesses with a volume of industrial biodegradable waste $V < 2 \text{ m}^3/\text{day}$ and a pollution load from the specific activity that does not concern discharged liquids as referred to in Article 5, paragraph 2, of the Sewerage Network Bylaws and in Appendix III hereto, EYDAP S.A. certifies that it agrees to the direct disposal of industrial biodegradable liquid waste into the sewerage network, without the obligation of treatment and construction of any project.

Shops and food processing businesses are required to collect the fats and oils at the source before they are introduced into the sewerage system and deliver them to treatment companies (the management of fats and oils must be carried out with the relevant documentation). It is also necessary to install in the drainage system of grease collection devices. The Sewerage Consent is of indefinite duration and is revoked if the conditions for its issuance cease to be observed.

6.1.2 Businesses that are either not yet operational or have recently started operating, and if for this reason sufficient data are not available to calculate the volume of their waste, a Sewerage Consent is issued for a period of six (6) months. . If, subsequently, sufficient data for the calculation of the waste volume are obtained, either a Sewerage Consent of indefinite duration is issued, or the business is classified in category B and the process for issuing a Sewerage Permit for industrial biodegradable liquid waste of Category B is initiated.

6.1.3 The following types of businesses that are usually licensed with a Sewerage Consent are indicatively mentioned: dry cleaners, laundromats, bakeries, patisseries, frozen sea food processing, vegetable processing, dough processing workshops, silkscreen printing, food packaging companies and open-circuit dry cleaners.

6.1.4 Excluded from the above licensing are production processes such as electroplating, tanners, chemical industries, pharmaceutical companies which are included in category B and car washes and carpet cleaners which are included in category C.

6.2 Category B. (Liquid Waste Sewerage Permit)

To businesses with a volume of industrial biodegradable waste $V > 2\text{m}^3/\text{day}$, as well as in those that are excluded from category A and do not belong to category C, EYDAP S.A. issues a Category B Industrial Liquid Waste Sewerage Permit.

6.2.1 Obligations of businesses.

For the issuance of the permit, the businesses are required to construct the following projects:

a) Separation of their internal sewerage wastewater networks from the respective industrial waste networks. The end of the above two independent networks, without previous connections between them, will be the sampling cleanout as mentioned below.

b) Construction at own cost of sampling cleanout outside and along the road line of the property, according to instructions of the Service. If the construction is not possible at the above position and with the prerequisite that the impossibility of construction has been sufficiently justified, the cleanout should be constructed as close as possible to the road line, at a position that is readily accessible and free.

c) Construction at own cost of the necessary treatment facilities in order to protect the sewerage network, the staff of EYDAP S.A., and the Wastewater Treatment Centers from grease, fat, oils, acids, metals toxic substances (see Appendix I) and the other undesirable materials referred to in Article 5 of the Sewerage Network Bylaws and in Appendix III to these Bylaws.

6.2.2 Submitted documentation.

For its licensing by EYDAP S.A., the business submits a relevant application for the issuance of a Industrial Liquid Waste Sewerage Permit (Sewerage Permit), to which is attached a liquid waste treatment study signed by an engineer, a member of the Technical Chamber of Greece, which has been prepared in accordance with the written instructions of the competent Service.

The study will include the following main elements:

- a technical report with a detailed description of the production process,
- the sources of origin of the liquid waste,
- the individual water consumptions,
- the water losses,
- the assessment of the daily quantities of the disposed "priority substances" and a provision for their phasing out,
- in accordance with Presidential Decree 51/2007 (Government Gazette Series I, No 54/08.03.2007) and decision 2455/2001/EC.
- the quality and quantity of liquid waste (if the business is in operation) or data estimated from the study and the literature,
- the liquid waste treatment method (if required),
- analyses of liquid waste before treatment,
- floor plan of the property,
- survey diagram,
- plans of the treatment facilities, including floor plans and sections
- any other information, which is included in the printed instructions of EYDAP S.A.

The study must be co-signed by the company's person in charge and submitted in three copies within two months from the relevant notice to the interested party, with the possibility of extension by one (1) month. The liquid waste treatment study is checked and reviewed by the Service in terms of its adequacy.

6.2.3 Licensing Procedure

a) Construction of treatment facilities.

After the approval of the study for the treatment of industrial liquid waste, a deadline of four (4) months is granted by EYDAP S.A. for the construction of the required facilities, after the lapse of which EYDAP S.A. sets a date for the inspection of the facilities.

In case the above deadlines are exceeded, the business is entitled to request an extension at least fifteen (15) days before the expiry of the completion time. The extension period cannot exceed two (2) months.

b) Granting of Industrial Liquid Waste Sewerage temporary permit

After the inspection of the facilities, the Service of EYDAP S.A. grants the business a temporary Liquid Waste Sewerage Permit lasting eight (8) months.

c) Granting of Industrial Liquid Waste Sewerage final permit.

During the first four months of the temporary Sewerage Permit, the treatment plants are tested and their performance is checked with analyses, which the business is responsible to perform. During this period, EYDAP S.A. reserves the right to carry out sampling and analysis of liquid waste.

In the second four-month period EYDAP S.A. performs at least three random checks (sampling and analysis). If the results of the tests are evaluated as satisfactory (see d) a final Liquid Waste Sewerage Permit is issued for a period of 2 years. The following details apply to sampling and analysis:

- Sampling refers to random instant samples.
- Laboratory determinations of liquid waste and the expression of the corresponding results will be performed based on the standard analysis methods of the European Committee for Standardization (CEN) issued by ELOT or the International Organization for Standardization ISO or the APHA standards.

- The samples will be taken from the special sampling cleanout that will be constructed according to the plans of the Service outside and along the road line of the property in a readily accessible and free position. In addition, samples may be taken from the treatment output, a suitable internal cleanout or other point of the installation at the discretion of the Service.

d) Evaluation of sampling results

The parameters examined in each sample are determined by the Service after taking into account the nature of the production activity and the particularities of each business. An Indicative Table of controlled parameters is given in Appendix V. The above parameters are divided into two groups:

Group I

Parameters for which exceedance is allowed:

These parameters are: TSS, COD and BOD₅. Specifically for parameters TSS and BOD₅, a Quality Exceedance Fee (TYP) is imposed. In the case where a series of sampling inspections shows exceedance of the desired limits of the parameter values of Table I of Appendix I and only for the specific parameters, an additional monthly fee for waste treatment at the wastewater treatment plants (KEL) is determined, which is borne by the business from which the industrial liquid waste originates. The details of the calculation of the treatment fee and other charges are set out in Appendix IV.

Exceedances of the 1000mg/L limit for the COD parameter are only permitted when $COD < 2.5 * BOD_5$. Otherwise what applies for Group II applies to the COD parameter.

Group II

Parameters for which exceedances are not allowed

This category includes the other parameters of Table I except the parameters of group I. If in three (3) consecutive samples no exceedances of the limits of Table I for the parameters of group II are found, a final Industrial Liquid Waste Sewerage Permit is granted.

If in two consecutive samples exceedances of the limits of these parameters are detected, the business is informed in writing and it is required to restore the quality of the liquid waste within the limits of Table I only with the appropriate treatment and/or management. The business is granted a time limit for adjusting the quality of the waste, which cannot exceed two (2) months.

The manner in which the limits will be achieved is notified by the business to EYDAP S.A. which has the right to conduct an on-site inspection to confirm the statements made by the business.

If in the next two consecutive samples new limit exceedances are found, the company is informed in writing and depending on the deviation, it is required to submit an additional or new complete waste treatment study. The study must be submitted within two months from the relevant notice to the interested party with the possibility of extension by one (1) month. If the business fails to submit a study and at the same time the exceedances continue, the Sewerage Permit is revoked and/or not renewed and the Service notifies the competent Prefecture in writing in order to revoke the operating license of the business.

e) Monitoring

During the validity of the Industrial Liquid Waste Sewerage Permit, EYDAP S.A. carries out random checks of the business's liquid waste at random times. In the event that these checks find exceedances, the steps of point (d) shall be taken (Evaluation of the results of sampling checks).

f) Renewal of sewerage permit

The Industrial Liquid Waste Sewerage Permit is renewed at the request of the business. This application is submitted at least two (2) months before the expiry of the current Permit. In the event that during the period of validity of the Permit, for which the company requests a Renewal, there have been changes in the production process and/or the treatment of wastewater, the company together with the

application for renewal submits all the relevant documents. EYDAP S.A. reserves the right to request further clarifications and the submission of a supplementary liquid waste treatment study.

EYDAP S.A. decides on the Renewal of the Industrial Liquid Waste Sewerage Permit, after examining the results of the sampling checks carried out during the effective period of the Permit to be renewed. Renewal is possible only if the results of at least the three (3) last sampling checks of EYDAP S.A. are in accordance with the limits provided in Table I of these Bylaws, for those parameters for which exceedances are not allowed, whereas if exceedances are found for the parameters of Group I, the Sewerage Permit is renewed.

If the results of all the sampling checks carried out during the effective period of the Permit to be renewed, for those parameters that are not allowed to be exceeded, are in accordance with the limits provided in Table I of these Bylaws, the duration of the renewal is one (1) year longer than the current one, with a maximum duration of five (5) years from the last renewal.

In any other case, the duration of the Renewal is less than or equal to the duration of the expiring Permit. If the percentage of deviating samples during the monitoring period is less than 40% of the total samples, the duration of the renewal is equal to the previous one. Otherwise it is one year shorter with a minimum of two (2) years.

In the event that at any stage of procedures d, e, and f a deviation in a parameter is found, as seen in Table II of Appendix I in one (1) sample out of three, this is not taken into account.

6.3 Category C. (Special activity permits)

In businesses such as (a) car washes and carpet cleaners regardless of the value V of the volume of liquid waste and (b) laundromats with values of V of the volume of waste > 2 m³/day, EYDAP S.A. issues a Category C Sewerage Permit.

6.3.1 Obligations of businesses.

For the issuance of the permit, the businesses are required to construct the following projects:

a) Separation of their internal sewerage wastewater networks from the respective industrial waste networks. The end of the above two independent networks, without previous connections between them, will be the sampling cleanout as mentioned below.

b) Construction at own cost of sampling cleanout outside and along the road line of the property, according to instructions of the Service. If the construction is not possible at the above position and with the prerequisite that the impossibility of construction has been sufficiently justified, the cleanout should be constructed as close as possible to the road line, at a position that is readily accessible and free.

c) Construction at own expense of the necessary treatment facilities with the sole purpose of protecting the sewerage network and Wastewater Treatment Centers from fats, oils, toxic substances and other undesirable materials referred to in article 5 par. 2 of Sewerage Network Bylaws and Appendix III of these Bylaws.

6.3.2 Submitted documentation.

For its licensing by EYDAP S.A., the business submits a relevant application for the issuance of an Industrial Liquid Waste Sewerage Permit (Sewerage Permit), to which is attached a liquid waste treatment study signed by an engineer, a member of the Technical Chamber of Greece, or deputy engineer depending on the requirements of the study, which has been prepared in accordance with the written instructions of the competent Service.

The study will include least the following elements:

- a technical report with a summary description of the production process,
- the sources of origin of the liquid waste,
- the individual water consumptions,
- the quantity of liquid waste,
- floor plan of the property,
- survey diagram,
- plans of the treatment facilities, including floor plans and sections
- any other information, which is included in the printed instructions of EYDAP S.A.

Especially for car washes, the treatment unit should include at least a debris collector and a light liquid separator (liquids with specific gravity <0.95gr / cm³).

6.3.3 Licensing Procedure

a) Construction of treatment facilities.

After the inspection and approval of the study for the sewerage of industrial liquid waste, a two (2) month deadline is granted by EYDAP S.A. for the construction of the required facilities, after lapse of which, the Service sets an on-site inspection date for the inspection of the facilities.

In case the above deadlines are exceeded, the business is entitled to request an extension at least fifteen (15) days before the expiry of the completion time. The extension period cannot exceed two (2) months.

b) Granting of Sewerage Permit

After inspection of the construction of the industrial liquid waste treatment facilities, a Liquid Waste Sewerage Permit is granted for a period of five (5) years from the last renewal.

c) Renewal of sewerage permit

The Industrial Liquid Waste Sewerage Permit is renewed at the request of the business. This application is submitted at least two (2) months before the expiry of the current Permit. In the event that during the period of validity of the final Permit, for which the company requests a Renewal, there have been changes in the production process and/or the treatment of wastewater, the company together with the application for renewal submit all the relevant documents. EYDAP S.A. reserves the right to check and to request further clarifications or the submission of a supplementary liquid waste treatment study.

The permit is revoked or not renewed if the conditions for its issuance cease to apply.

ARTICLE 7
Special Cases

These Bylaws does not include terms and conditions for the licensing of businesses and activities in areas outside the sewerage network of EYDAP S.A., as well as for the following cases:

7.1. Industrial activities, whose industrial liquid waste is transported by tankers for disposal at the Industrial Waste Well at the Metamorphosis Wastewater Treatment Center. The disposal of liquid waste takes place following the Prefectural Decision ΔΥ/35809/92, Government Gazette No 682/20-11-1992, which was extended indefinitely by Prefectural Decision 3435, Government Gazette, series II, No 465/6-6-1997.

It is noted that according to the above Prefectural Decisions as well as with the Sewerage Network Bylaws (Government Gazette, Series II, No 846/ 6.5.09) and joint ministerial decision of 2009 on the Renewal, modification and approval of environmental conditions of KEA Psytallia, the following are accepted at the Industrial Waste Well :

a. The liquid waste of the industries of the area of responsibility of EYDAP SA, which are not connected to the sewerage network due to the non-existence of a secondary network. With the construction of the secondary networks the industries are required to connect so the provisions of articles 1 to 6 apply.

b. Liquid waste containing no toxic substances, radioactive liquids, residues of petroleum and other hazardous substances.

7.2 Industrial and craft activities which dispose industrial liquid waste into regulated streams. The relevant licensing is given by competent Prefecture, which is in charge of the inspection and supervision of the streams.

7.3 Hospitals and diagnostic laboratories.

Hospital waste management should be done in accordance with joint ministerial decision. 37591/2031/03 (Government Gazette, Series II 1419 /1-10-2003), which concerns the measures and conditions for the management of medical waste from health units, as well as joint ministerial decision HP 13588/725/2006, "Measures, conditions and limitations for the management of hazardous waste" in accordance with the provisions of Directive 91/689/EEC on "hazardous waste".

Also, having regard to the Health Provision Ειβ 221/1965 (Government Gazette, Series II, No 138/1965) "On disposal of waste water and industrial waste" as in force and the applicable Sewerage Network Bylaws of EYDAP (Government Gazette, Series II, 846/6.5.2009) and its provisions, hospitals and diagnostic laboratories, before issuing or renewing their operating license by the competent authority, submit the Internal Regulation of Hazardous Medical Waste Management and additional detailed description of their liquid waste treatment facility, which are inspected and approved by the Service and they are granted a certificate and possible terms and conditions for the operation of the liquid waste treatment plants before their disposal into the EYDAP network.

The competent authority for the issuance of the operating license of the hospital or the diagnostic center is the Ministry of Health for Legal Entities governed by Public Law and the relevant Prefectures (Regions) for Legal Entities Governed by Private Law.

7.4 Mass catering establishments

Mass catering establishments (restaurants-taverns-grills) must separate the used cooking fats and oils at the source, i.e. before they enter the sewer system and collect them for use or disposal according to the provisions of the National Solid Waste Management Plan (joint ministerial decision 50910/2727/2003), European Regulation 1774/2005 and their respective amendments. Moreover, these businesses must install and operate suitable fat/oil skimmers so that any fats and oils that cannot be separated at their source are trapped in them. They must also keep a record of their contracts with

approved companies for the collection of fats and oils as well as the relevant documents. The licensing of mass catering businesses is the responsibility of the relevant Municipality.

EYDAP S.A. reserves the right to inspect the implementation and compliance with the requirements of paragraphs 7.3 and 7.4., whenever it deems appropriate for the protection of the sewerage network.

ARTICLE 8

Sanctions

8.1 No sewage from the activities referred to in Article 1 of these Bylaws shall be deemed lawful if the conditions laid down herein are not complied with. In such a case, the Sewerage Permit shall not be granted or, if it was previously granted, the Permit is revoked and/or not renewed.

8.2 The operation of businesses of Article 1 is prohibited if they do not hold a valid Sewerage Permit. In this case, EYDAP S.A. notifies the competent Services (Region, Prefecture, Municipality, etc.) in order to activate the procedures for imposing fines and revoking the operating licenses of the businesses.

8.3 In case of illegal sewerage, EYDAP S.A. may cut off the water supply and/or connection of the businesses. The business will be notified in writing at least one (1) month before the disconnection.

8.4 In case that due to the quality of the liquid waste of a business, damages are caused to the infrastructure of EYDAP S.A. (sewerage network, Wastewater Treatment Plant, etc.) the repair of the damages is done by EYDAP S.A. and the relevant cost will be charged to the business through the water/sewerage bill.

8.5 In case a business refuses to pay the TYP, the provisions for the case of non-payment of an EYDAP S.A. bill apply (water supply disconnection etc.).

APPENDIX I

TABLE I

PARAMETER	SEWERAGE NETWORK
PH	6.0 - 9.5
Temperature	40° C
Total Suspended solids	500 mg/L 1
BOD5	500 mg/L 1
COD	1000 mg/L 1 Values COD >1000mg/L are acceptable only if COD < 2,5*BOD5.
Electric conductivity	4000 µs/cm
Fats - Oils (animal - plant)	100 mg/L
Mineral oils	15 mg/L
Ammonia - N	60 mg/L
Phosphates - P	10 mg/L
Sulfites S03	1 mg/L
Sulfates S04	1500 mg/L
Sulfides	1 mg/L
Nitrites	4 mg/L
Nitrates	20 mg/L
Aluminium	10 mg/L
Antimony	5 mg/L
Arsenic	0.5 mg/L
Barium	20 mg/L
Beryllium	30 mg/L
Borium	10 mg/L
Chromium 3	2 mg/L

PARAMETER	SEWERAGE NETWORK
Chromium 6	0.5 mg/L
Cobalt	10 mg/L
Copper	1 mg/L
Cyanides	3 mg/L
Fluorides	20 mg/L
Iron	15 mg/L
Lead	5 mg/L
Manganese	10 mg/L
Molybdenum	10 mg/L
Nickel	10 mg/L
Phenols	5 mg/L
Selenium	0.2 mg/L
Silver	5 mg/L
Thallium	2 mg/L
Tin	10 mg/L
Titanium	10 mg/L
Uranium	5 mg/L
Zinc	20 mg/L
Cadmium	0.5 mg/L
Mercury	0.01 mg/L

- 1. Desirable limit. Valid only for the calculation of the management cost (TYP).
- During the licensing of industries and craft industries, the Service will make an assessment of the priority substances that may be contained in the waste from their production activity.
- For the parameters of Table I included in the List of Priority Substances of the PD 51/2007 (see Table II), care should be taken to stop their disposal into the network by 2020. The maximum permissible values of Table I will be adjusted so that they gradually decrease.

APPENDIX I

TABLE II
MAXIMUM ALLOWED DEVIATION VALUES

The following deviations from the limits of Table I and for one (1) sample of waste out of three (3) are not taken into account for the imposition of sanctions, namely:

AREA OF CONCENTRATION OF EMISSION LIMITS IN mg/L

From	To	Deviation in mg/L
-	0.1	None
>0.1	0.5	0.2
>0.5	0.9	0.4
>0.9	5	2
>5	10	4
>10	30	8
>30	50	20
>50	200	40
>200	500	80
>500		200

APPENDIX II

LIST OF PRIORITY SUBSTANCES IN THE SECTOR OF WATER POLICY (*) (according to decision No. 2455/2001/EC of the European Parliament and the Council of 20 November 2001 - EEL 331)

	CAS Number (1)	EU Number (2)	Priority substance	Characterisation: priority hazardous substance
(1)	15972-60-8	240-110-8	Alachlor	
(2)	120-12-7	204-371-1	Anthracene	(X) (***)
(3)	1912-24-9	217-617-8	Atrazine	(X) (***)
(4)	71-43-2	200-753-7	Benzene	
(5)	n.a.	n.a.	Polybrominated diphenyl ethers (**)	(X) (****)
(6)	7440-43-9	231-152-8	Cadmium and derivatives	X
(7)	85535-84-8	287-476-5	Chloroalkanes C10-13 (**)	X
(8)	470-90-6	207-432-0	Chlorfenvinphos	
(9)	2921-88-2	220-864-4	Chlorpyrifos	(X) (***)
(10)	107-06-2	203-458-1	1,2-Dichloroethane	
(11)	75-09-2	200-838-9	Dichloromethane	
(12)	117-81-7	204-211-0	Di(2- ethylhexyl) phthalate (DEHP)	(X) (***)
(13)	330-54-1	206-354-4	Diuron	(X) (***)
(14)	115-29-7	204-079-4	Endosulfan	(X) (***)
	959-98-8	n.a.	(alpha-endosulfan)	
(15)	206-44-0	205-912-4	Fluoranthene(****)	
(16)	118-74-1	204-273-9	Hexachlorobenzene	X
(17)	87-68-3	201-765-5	Hexachlorobutadiene	X
(18)	608-73-1	210-158-9	Hexachlorocyclohexane	X
	58-89-9	200-401-2	(Lindane, γ-isomer)	
(19)	34123-59-6	251-835-4	Isoproturon	(X) (***)
(20)	7439-92-1	231-100-4	Lead and derivatives	(X) (***)
(21)	7439-97-6	231-106-7	Mercury and derivatives	X
(22)	91-20-3	202-049-5	Naphtalene	(X) (***)
(23)	7440-02-0	231-111-4	Nickel and derivatives	
(24)	25154-52-3	246-672-0	Nonylphenols	X
	104-40-5	203-199-4	(4-n-enenylphenol)	
(25)	1806-26-4	217-302-5	Octylphenols	(X) (***)
	140-66-9	n.a.	(para-ter-octylphenols)	
(26)	608-93-5	210-172-5	Pentachlorobenzene	X
(27)	87-86-5	201-778-6	Pentachlorophenol	(X) (***)
(28)	n.a.	n.a.	Polyaromatic hydrocarbons	X
	50-32-8	200-028-5	(Benzo (a) pyrene)	
	205-99-2	205-911-9	(Benzo (a) fluoroanthene)	
	191-24-2	205-883-8	(Benzo (g, h, i) perylene)	
	207-08-9	205-916-6	(Benzo (k) fluoroanthene)	
	193-39-5	205-893-2	indeno(1,2,3-cd)pyrene	
(29)	122-34-9	204-535-2	Simazine	(X) (***)
(30)	688-73-3	211-704-4	Tributyltin derivatives	X
	36643-28-4	n.a.	(Tributyltin cation)	
(31)	12002-48-1	234-413-4	(Trichlorobenzene)	(X) (***)
	120-82-1	204-428-0	(1,2,4-Trichlorobenzene)	

(32)	67-66-3	200-663-8	Trichloromethane (chloroform)	
(33)	08/09/1582	216-428-8	Trifluoraline	(X) (***)

(*) Where groups of substances have been selected, typical individual representatives are recorded as indicative parameters (in parentheses and without number). Inspections will focus on these specific substances, subject to incorporation of other individual representatives, as appropriate.

(**) These groups of substances normally contain a significant number of individual compounds. At present, the appropriate indicative parameters cannot be given.

(***) This priority substance is subject to review for classification as a potential "hazardous priority substance". The Commission will submit a proposal to the European Parliament and the Council for its final classification no later than 12 months after the establishment of this list. This review will not affect the timetable for the submission of Commission proposals for the implementation of the controls set out in Article 16 of Directive 2000/60/EC.

(****) Only pentabromodiphenyl ether (CAS 32534-81-9).

(*****) Fluoranthene is listed as a substance indicative of other more dangerous polyaromatic hydrocarbons. CAS: Chemical Abstract Services.

(1) CAS: Chemical Abstract Services.

(2) EU number: namely the European Inventory of Existing Commercial Chemicals (EINECS) or the European List of Notified Chemicals (ELINCS).

APPENDIX III

SUBSTANCES PROHIBITED TO BE DISCHARGED

INTO THE SEWERAGE NETWORK

1	Sewage and substances generally coming from watertight or absorbent septic tanks without proper pre-treatment so that their quality and composition correspond to the quality and composition of domestic wastewater. EYDAP S.A. permit is required.
2	All kinds of solid waste that can clog pipes (kitchen waste, rubbish, building debris, sand, ash, rags, animal manure, slaughterhouse waste, non- or hardly biodegradable materials such as plastic, glassware, etc.) even through sink garbage disposals or other similar means. Solids larger than 20 mm must not be discarded.
3	Hazardous waste as defined in Directive 91/689/EEC (12.12.91) of the European Union as amended or replaced from time to time.
4	Flammable or explosive or other substances whose flash point is lower than or equal to 25 °C and which may damage the sewerage system or put at risk the life of maintenance personnel.
5	Gases and vapours. Direct connection of air ducts to sewers is prohibited.
6	Substances that produce poisonous or asphyxiant gases or due to decomposition, fermentation, etc. cause intense or annoying fumes.
7	Substances that may, due to their content in acids, alkalis, salts, tar, etc., damage the structural materials of the pipes or other components and parts of the sewerage network. Liquids generally that do not comply with the requirements of the specifications applicable to

	the protection of pipes and sewerage installations.
8	Liquids that may hinder the operation of the pipes such as those that cause falls, chemical precipitation, sediments or deposits in the pipelines, etc.
9	Liquids with a temperature higher than 40 degrees Celsius.
10	Liquids containing calcium carbonate or calcium carbonate compounds.
11	Liquids containing substances that expand on contact with water.
12	Liquids containing radioactive substances, unless they have been licensed in accordance with the provisions of the Law on Nuclear Energy Control.
13	Organic substances or detergents not 80% biodegradable in 24 hours.
14	Liquids and substances that can in any way have a detrimental effect on the Wastewater Treatment Facilities or the environment at the discretion of EYDAP S.A.
15	Pharmaceutical substances that have not been consumed and mainly antibiotics and estrogens.
16	Liquids whose pH is not between 6.0 and 9.5.

APPENDIX IV

Calculation of annual Quality Exceedance Fee (TYP)

$$TYP = V * [(BOD5 - bod5) * \alpha * \alpha' + (TSS - tss) * \beta * \beta'] * 10^{-3} * 365$$

1. Symbols

BOD5 = Mean value of the Biochemically Required Oxygen parameter (mg/l or g/m³) during the previous year

bod5 = desirable value of the Biochemically Required Oxygen parameter (mg/l or g/m³) in APPENDIX I.

TSS = Mean value of the Total Suspended Solids parameter (mg/l or g/m³) during the previous year

tss = desirable value of the Total Suspended Solids parameter (mg/l or g/m³) in APPENDIX I.

V = Average daily value of the volume of liquid industrial biodegradable waste (m³/day) during the previous year.

α = cost of removal biochemically required oxygen (€/kg)

β = cost of removal of suspended solids (€/kg)

α' , β' = Variable weight factors. Set out by BoD decision of EYDAP

Other coefficients: 10⁻³kg/g, 365 days/year

2. In the cases of negative values of the various BOD5 and TSS, the calculation is done with zero values.

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Tanneries		v	v	v	v	v	v	v			v														v
Textiles	industry	v	v	v				v																	
	Carpet cleaners	v	v	v				v																	
	Laundromats	v	v	v				v											v						
	Paint shops-finishes	v	v	v				v			v														
Paper industry		v	v	v	v			v	v																
Electrical goods		v	v				v				v	v	v	v	v	v									
Tires		v	v	v			v																		
Petrol & carbon		v	v	v	v	v																			v
																									v
Non metal materials	Glassmaking	v	v	v				v																	
Metalworking industries	Iron & steel production	v	v	v	v	v					v	v		v					v						v
																									v
Construction of metal products	Screw making, bullet manufacturer, coppersmithing	v	v	v			v				v	v	v	v			v								
	Metal plating	v	v	v						v	v	v	v	v	v	v	v		v	v					v
Steam-electric plants		v	v	v	v	v			v																
Packaging & standardisation of medicines/cosmetics																									
		v	v	v	v	v																			

This Decision is to be published in the Government Gazette of the Hellenic Republic.

Athens, 24 January, 2012

DEPUTY MINISTER

IOANNIS MAGRIOTIS

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