REPUBLIC OF CYPRUS
MINISTRY OF AGRICULTURE, NATURAL RESOURCES AND ENVIRONMENT

WATER DEVELOPMENT DEPARTMENT
1413 NICOSIA

REPORT ON ARTICLE 17 OF THE URBAN WASTEWATER TREATMENT DIRECTIVE, 91/271/EEC

CYPRUS REVISED NATIONAL IMPLEMENTATION PROGRAMME [NIP-2008]

December 2008

Prologue

The objective of the Urban Waste Water Treatment Directive (UWWTD) 91/271/EEC is the creation of wastewater infrastructure for the proper collection, treatment and discharge of urban wastewater and the safe re-use of sludge, so as to protect the environment and the water bodies.

The Cyprus National Implementation Programme, which reflects the baseline for the creation of wastewater infrastructure, being Articles 3, 4 and 5(2) of the Directive, was submitted to the European Commission in March 2005.

The objective of this report is to give an update on the Cyprus National Implementation Programme and it has been prepared according to Article 17(3) of the respective Directive.

The report reflects the Revised National Implementation Programme of 2008. It revises the basic data of the first Cyprus Implementation Programme of 2005, being the inventory of agglomerations and their sizes. It further describes the efforts of the Cypriot Authorities on what they have done until now and what they indent to do, so as to improve the wastewater infrastructure in Cyprus until the Cyprus transitional period (end of year 2012) so as to fulfill Cyprus obligations under the UWWTD.

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The Cyprus transitional period for fulfilling the Urban Waste Water Treatment Directive (UWWTD), as regards to the creation of wastewater infrastructure, is the 31st December 2012, with intermediary deadlines existing, being 31/12/2008, 31/12/2009 and 31/12/2011.

Article 17(1) of the Directive requires that all member states establish their National Programme for implementing the Directive. The ten New Member states (EU-10) were required to inform and convey to the Commission their National Implementation Programme (NIP), 6 months after their Accession (1-5-2004).

Cyprus reported and submitted to the European Commission (EC) its first National Implementation Programme (herein after referred to as NIP-2005) on 8th March 2005.

The NIP-2005, reflects the basic data of the implementation of the Directive, being Articles 3, 4 and 5(2) for the creation of wastewater infrastructure. Its inventory of agglomerations is based on administrative entities, which according to past data, the Cyprus official population census of 2001, they had a generated load (the total of permanent, seasonal and tourist population) greater than 2.000 p.e.

The **NIP-2005** is based on :

- an inventory of **42 agglomerations**
- a sum of generated load of **675.000 p.e**.

Article 17(3) of the Directive states that every 2 years, member states provide, if essential, updated data on the information of the NIP, and by the 30 June the latest.

According to Article 17(3), Cyprus Authorities considered the revision of their NIP essential, in particular after the meetings in Brussels of the ¨UWWTD Working Group for Reporting¨ and the issuance of the Guidance Document by the EC, in January 2007. The revision was necessary, so that the updated / revised NIP would reflect the terms, definitions, clarifications and guidance data given in the Guidance Document, as well as to report the most recent design developments, government policies and other important aspects that affect the design of the NIP.

Therefore, the Water Development Department (WDD), being the responsible Authority for establishing the NIP, started in middle of 2007 to redesign the revised NIP (herein after referred to as NIP-2008) with a **reform of the inventory of the agglomerations**, which is the baseline of any NIP.

The basic aspect that brought modifications to the inventory of agglomerations for NIP-2008 was the new methodology for calculating the size (generated load in p.e.) of the agglomerations, which is no longer based on past population data, but on future forecasted data. A safety factor is now included in the size of the agglomerations to accommodate for possible future expansions of the agglomerations until their corresponding transitional period.

WDD concluded to the revised inventory of the agglomerations of the NIP-2008 through :

- a series of meetings with various sewerage boards involved.
- questionnaires that were sent to the eligible administrative entities and sewerage boards for collecting all relevant data and information for the recent developments, such as population growth, tourist activities, water consumption, satellite photos, maps etc.
- processing all relevant data and information and deriving to the Cyprus methodology for identifying the agglomerations.
- presenting the concluded revised NIP-2008 to various parties involved and receiving their approval/comments.

Other aspects that play an important role in the design of the NIP-2008 and the compilation of the revised inventory of the agglomerations are the recent design developments, political decisions by local authorities, governmental policies and adoption of law amendments.

The **NIP-2008** is now based on:

- an inventory of **57 agglomerations**
- an increased total generated load of **860.000 p.e.**

This report for the NIP-2008, being prepared under Article 17(3) of the UWWTD, presents the revised inventory of the agglomerations in two formats, on the structure of the Commission Decision 93/481/EEC and on Model Table 1. It also describes the methodology of the delineation of the agglomerations boarders and contains the calculations for their generated load.

The report further includes a description of the achievement of the infrastructure until today and the improvement of the infrastructure forecasted. It also describes legal, organizational and financial aspects and the link of the NIP-2008 with the European funds.

The Cyprus Government considers that the overall progress in implementing the NIP so far is satisfactory.

Although the actual % compliance rates achieved until today as regards to the generated load, of 11.5% for the urban agglomerations and 8.7% for the rural agglomerations, may not appear to be high, the main problems, however, that were causing certain delays in the commencement of the wastewater infrastructure construction, have now almost been resolved. These were procedural, social (public acceptability), legal, organizational and administrative issues.

The critical factor for the implementing the wastewater infrastructure is finance, for which efforts are being made towards the right direction.

The Cyprus Government recognizes that, with the revised NIP-2008, its obligations under the UWWTD are increased considerably and considers this as a great challenge ahead.

Nevertheless, Cyprus Government will endeavor all possible efforts for meeting promptly its commitments under the revised NIP-2008 of the UWWTD.

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1. Introduction - Background

1.1 Introduction – The UWWTD Requirements

1.1.1 Article 17(3) of the Urban Waste Water Treatment Directive (UWWTD), states that every 2 years, member states provide, if essential, updated data on the information of their National Implementation Programmes (NIP) and submit the same, by the 30 June the latest, to the European Commission (EC).

1.1.2 This report, which is prepared according to Article 17(3) of the UWWTD, is the revised Cyprus National Implementation Programme and addresses the implementation status and forecasts of Articles 3, 4 and 5(2) only, since these are the basic articles for the infrastructure requirements of the UWWTD.

1.1.3 The rest of the Directive articles have already been addressed in the first report of the Cyprus National Implementation Programme, issued in 2005 and the subsequent clarifications reported to the EC.

1.2 Transitional Period and Interim Deadlines for Cyprus

1.2.1 The transitional period negotiated in the Accession treaty of Cyprus for the implementation of the UWWTD, as regards to the articles 3, 4 and 5(2) reflecting the creation of wastewater infrastructure, is the 31st December 2012.

1.2.2 Furthermore, there are three interim deadlines incorporated in the Accession Treaty, concerning four agglomerations, with p.e. greater than 15.000, as follows:

- 31-12-2008 : 2 agglomerations >15.000 p.e (Limassol & Paralimni)
- 31-12-2009 : 1 agglomeration > 15.000 p.e. (Nicosia)
- 31-12-2011 : 1 agglomeration > 15.000 p.e. (Paphos)

1.3 Communication with European Commission regarding the first NIP

1.3.1 On 11th March 2005 the Cypriot Authorities communicated to the EC their first National Implementation Programme of the UWWTD, herein referred to as NIP-2005. The NIP-2005 was presented in the format requested by the Commission Decision 93/481/EEC, which was slightly modified by adding ¨Discharge on Land¨, together with an explanatory note and an inventory table of 42 agglomerations. The NIP-2005 presented the status of implementation as at 1 May 2004, as well as implementation forecasts until the end of the transitional period (31-12-2012) and the three interim deadlines.

1.3.2 On 31st October 2006, Unit D2. of the EC conveyed the assessment results and conclusions for the NIP-2005 to the Cypriot Authorities, by their letter ref. ENV.D.2./SBB/rl/D(2006)7233, whilst requesting further detailed information and clarifications, within one month from the receipt of the letter. The Cyprus competent Authorities on the UWWTD received the letter through the Cyprus Permanent Representative in Brussels, on the 7th November 2006.

1.3.3 On 11th December 2006 Cyprus Authorities submitted to the EC the information and clarifications that were further requested. The clarifications report included detailed information on the following:

- Implementing Articles 5(1) and 5(5), the criteria of designation of the 2 sensitive areas and maps with delineation of the 2 areas and their catchments area in application of Article 5(5).
- Implementing Article 13 regarding agro-food industries.
- Implementing Article 7 appropriate treatment.
- Implementing Article 19 – Transposition of the UWWTD into National Law.
- Model Table 1: Inventory of agglomerations, collecting systems, UWWTP, discharge points, sludge production and re-use and investments.
- The methodology of the delineation of the agglomerations of the NIP-2005.
- Model Table 2: Food processing industries.

1.4 Brief NIP-2005 Description

1.4.1 The NIP-2005 was based on an inventory of 42 agglomerations with a summation of total 675.000 p.e, which, according to the official population census of 2001, as published by the Statistics Department, had a. generated load, arising from permanent, seasonal and tourist population greater than 2.000 p.e.

1.4.2 The majority of the 42 identified agglomerations in Cyprus are small in size (generated load), falling under the category of 2.000-10.000 p.e. size. In particular, 35 of the 42 agglomerations fall under this size, whilst there is only 1 agglomeration characterized as ¨Big City¨, with size over 150.000 p.e. The agglomeration classification according to the agglomeration size is presented in Table 1.1.

Table 1.1 Agglomeration classification according to size NIP-2005

Agglomeration Categories	Totals	
	No.	p.e.
2.000 to 10.000 p.e.	35	119.000
10.000 to 15.000 p.e.	1	11.000
15.000 to 150.000 p.e	5	355.000
Over 150.000 p.e.	1	190.000
TOTAL	**42**	**675.000**

1.4.3 Since Cyprus has designated only 2 sensitive areas (¨the Polemidhia storage reservoir¨ and ¨the coastal area between Cape Pyla and Paralimni¨), only 7 of the 42 of the identified agglomerations of NIP-2005 are located in the catchments of sensitive areas, whilst only 2 of these 7 agglomerations have size over 10.000 p.e. for the application of Article 5(2), which requires stringent treatment. The agglomeration classification according to the discharge point is presented in Table 1.2.

Table 1.2 Agglomeration classification according to size and discharge point, NIP-2005

Classification of Agglomerations	Normal areas		Sensitive areas		Totals	
	No.	p.e.	No.	p.e.	No.	p.e.
2.000 to 10.000 p.e	31	102.900	4	16.100	35	119.000
10.000 to 15.000 p.e.	1	11.000	0	0	1	11.000
15.000 to 150.000 p.e	2	137.000	3*	218.000	5	355.000
Over 150.000 p.e.	1	190.000	0	0	1	190.000
TOTAL	**35**	**440.900**	**7**	**234.100**	**42**	**675.000**
PERCENTAGE	**83.3%**	**65.3%**	**16.7%**	**34.7%**	**100%**	**100%**

1.4.4 Cyprus took the liberty to classify the 42 identified agglomerations, into another classification based on locality, namely ¨Urban¨ and ¨Rural¨. This classification was considered essential for national and operational logistics. On one hand, the classification reflects the location of the agglomerations and on the other hand, it corresponds to the organizational set-ups and responsible authorities for implementing the works. These matters will be further discussed in details, under Sections 2.5 and 5.1.

The NIP-2005 contained:

- Σ 6 Urban agglomerations = Σ 545.000 p.e.
- Σ 36 Rural agglomerations = Σ 130.000 p.e.

1.5 Why the need for a revised NIP?

1.5.1 Through the meetings of the ¨Working Group for Reporting¨ in Brussels and after the issuance of the Guidance Document in January 2007, Cyprus Authorities realized that the first NIP-2005 had certain deficiencies and considered its revision necessary, so as to reflect the terms, definitions and guidance data given in the paper.

1.5.2 Furthermore, since the compilation of NIP-2005, there have been new technical solutions arising from design developments or political decisions by local authorities and more recent policies of the Cyprus Government regarding organizational set-ups, which influence the whole approach to the NIP.

2. Revised National Implementation Programme 2008

2.1 Reasons and basic Modifications of NIP-2008

The main modifications that the revised NIP-2008 presents over the NIP-2005 arise due to the following reasons:

a) The methodology for the agglomeration boarders delineation is now changed based on clearer understanding of the Directive definitions, obtained from the Workshops on Reporting for UWWTD, in Brussels.

b) The method of calculating the agglomeration generated load /size is now revised, so as to include a ¨ safety factor ¨ for future agglomeration expansions.

c) New technical solutions were derived, either from design developments or from political decisions taken by local Authorities. The new technical solutions have given rise to the mergence of agglomerations and or common UWWTPs, i.e. changes in logistics of 1 agglomeration: 1 UWWTP, or 1 agglomeration: n UWWTPs, or n agglomerations: 1 UWWTP, or m agglomerations: n UWWTPs.

d) Recent Cyprus government policies for the unification or mergence of the organizational-set-ups (sewerage boards) responsible for the construction and the operation of the infrastructure.

e) Recent developments in organizational and administrative set-ups for monitoring and ensuring the compliance with the Directive.

2.2 Changes due to the methodology of agglomeration boarders delineation

2.2.1 The Cyprus original methodology of delineating the boarders of an agglomeration was based on the assumption that an agglomeration was reflecting an administrative entity boarders (e.g. municipality or community, which carried the same name) and/or an already established organizational entity (e.g. an established Urban Sewerage Board) that carried the same name.

2.2.2 In particular, the Urban Agglomerations of Nicosia, Limassol and Paphos, which were the results of a few merged administrative entities, as reported in NIP-2005 were reflecting the boarders of the respective established Urban Sewerage Boards, without examining the densification or concentration of the merged administrative entities.
For example, the already established organizational entity of the Sewerage Board of Greater Nicosia contains 14 administrative entities, out of which only 9 fall under the provisions of the Directive. The Agglomeration ¨Greater Nicosia¨ was originally reported to include these 9 administrative entities, without examining whether they are sufficiently concentrated.

2.2.3 Paragraph 1.1.2 of the Guidance Document states that ¨the term agglomeration refers in the first place to a sufficiently concentrated area for urban wastewater to be collected and conducted to an urban wastewater treatment plant ¨.

Furthermore, paragraph 1.1.5 of the Document clearly explains that ¨the term agglomeration should not be confused with the administrative entities (municipalities or other local authority areas), which may carry the same name. The limits of an agglomeration may or may not correspond to the boundaries of an administrative entity ¨.

2.2.4 Therefore, based on the above guidance, Cyprus realized that revision of the methodology of delineating the agglomerations boarders was necessary, in particular the Urban Agglomerations, so as to reflect the term ¨agglomeration¨ as a ¨sufficiently concentrated area¨ and as given in the Guidance Document.

2.2.5 The new approach adopted by the Cypriot Authorities was to disintegrate the Urban Agglomerations, on a case-by-case analysis, to such an extent so as to reflect the term of ¨sufficiently concentrated¨ area. The analysis was based on discussions with the respective Urban Sewerage Boards, site visits in the administrative entities, and through processing of maps, aerial photos or satellite photos.

2.2.6 With this new approach of disintegration of the Urban Agglomerations, 10 new agglomerations arise in the inventory of agglomerations of NIP-2008 **(Appendix 1)**. Their collecting networks are separate for each one, although their wastewater treatment facilities will be common with the ones of the Urban Agglomerations.

2.3 Changes due to methodology of calculating the agglomeration generated load

2.3.1 In the planning phase of the inventory of agglomerations of the NIP-2005, the methodology of calculating the size (generated load) of the agglomerations, especially in areas where no urban wastewater treatment plant existed, was based on past data for the permanent population of each administrative entity, from the official population census of 2001, as published by the Statistic Department. This methodology did not allow for any future growth / expansion of the agglomerations. The future expansion for NIP-2005 was accommodated in the planning phase of the UWWTP by allowing for safety margins for future increases in their Organic Design Capacities (ODC).

2.3.2. Paragraph 1.1.6 of the Guidance Document states ¨for purposes of planning, including updating Implementation Programmes under Article 17, due attention is also to be paid to future extensions of an agglomeration, for example due to population growth and/or increased economic activity. Therefore, the generated load and limits/delineation of an agglomeration should be regularly reviewed and updated¨. Furthermore, paragraph 1.3.7 refers ¨the estimated generated load of an agglomeration must also include a safety margin in order to be able to comply with the Directive at all times¨.

2.3.3 Therefore, based on the new proposals under the Guidance Document, it was considered that a revision of the methodology for re-sizing the agglomerations was also necessary, so as to allow for a safety factor for future agglomeration expansions, so that they comply with the Directive at all times.

2.3.4 The new approach adopted by the Cypriot Authorities was to include a safety factor in the size of each agglomeration reflecting the forecasted growth in population equivalent (p.e.) until the end of the agglomeration corresponding transitional period as indicated in **Appendix 2** : Methodology for identification of agglomerations and Table with calculations of agglomerations generated loads.

2.3.5 With this new approach of including a safety factor in the size of the agglomerations forecasting their future growth, what has occurred is that certain agglomerations (administrative entities) that had a size of below 2.000 p.e based on the census of 2001, and hence were not included in the NIP-2005, and if their forecasted growth rate until the year 2012 is quite high, then these communities are now falling under the provisions of the Directive. Hence, 6 No. new agglomerations are appearing in the inventory of agglomerations for NIP-2008, due to this fact.

2.4 Changes due to recent Design developments and Political decisions

In the planning phase of the inventory of agglomerations of the NIP-2005, the methodology used for reporting the urban wastewater treatment plants to be constructed was based on the principle of ¨1 agglomeration: 1 UWWTP¨, especially in the rural areas, where the design of the works was at the time still in progress.

2.4.1 Several aspects have now changed this approach as follows:

a) the results of the feasibility and techno-economical studies showed that, in many cases, the preferred scenario was the construction of one common UWWTP serving many agglomerations, for technical, environmental, administrative and last but not least, financial reasons.

b) during the public participation meetings with the stakeholders (local Authorities) for presenting to them the aforementioned results of the feasibility studies, which indicated common wastewater treatment facilities, the local Authorities were convinced that adopting this approach is to their benefit and they conveyed their decision of acceptance to the Government .

c) past experiences from small uwwtps installed in rural areas in Cyprus, where due to the remoteness and the geomorphic conditions of the area, the construction was based on the logistics of 1 uwwtp : 1 rural agglomeration, proved that the projects were not economically viable, nor sustainable.

d) the current governmental policy is to attempt to unify / merge the wastewater treatment facilities, as far as possible, so as to accommodate

for the principle of ¨n agglomerations: 1 UWWTP, or m agglomerations: n UWWTPS ¨ for financial, operational and organizational logistics.

2.5 Changes due to Governmental policies and Law Amendments

2.5.1 Based on these past experiences from small uwwtps installed in rural areas, based on the 1 uwwtp : 1 agglomeration logistics, a few organizational problems have arisen. Each rural area was establishing its respective autonomous administrative organization (Rural Sewerage Board). In the long term, it was proven that these organizations have neither the technical expertise for the correct operation and monitoring of the works, nor the required organizational set-up and financial standing for the billing and collection of the sewer tariffs, with the result that the project may not be economically viable nor the Organization sustainable.

2.5.2 Based on these past experiences and concerns for the future, the Government's policy in the last 2-3 years has been oriented towards creating unified administrative organizations in the fields of Water and Wastewater, whilst in parallel constructing shared infrastructure, where technically possible.

2.5.3 Furthermore, the Government's policy is to encourage the sub-urban agglomerations to be unified administratively with their corresponding established Urban Sewerage Boards that have the technical expertise, as well as the organizational set-up and financial standing.

2.5.4 In order to promote and enforce these governmental policies, the Council of Ministers, has decided to give motives to the local Authorities and hence 2 Ministerial Decisions have been adopted, one in 2005 and one only recently in 2008, regarding this matter. By these 2 Ministerial Decisions, the motives given to local Authorities are as follows:

a) Rural administrative entities that accept to house the ¨common¨ wastewater treatment facilities within their administrative boundaries, so as to serve other neighboring rural communities, are subsidized by 100% by the Government for their portion of the uwwtp.

b) Urban administrative or established organizational entities (Urban Sewerage Boards) that accept to undertake under their administrative umbrella the sub-urban administrative entities and also to share their existing or expanded wastewater facilities with them, are subsided by the Government for the portion of the works that corresponds to the sub-urban entities.

2.5.5. Nevertheless, for adopting the aforementioned governmental policies and Ministerial decisions, certain legal changes had to be implemented, since the Sewerage Systems Law did not make any allowance for such a mergence of Sewerage Boards.

2.5.6 An Amendment to the Sewerage Systems Law was adopted in 2007, rectifying this situation.

2.6 Brief NIP-2008 Description

2.6.1 All of the above-mentioned aspects contributed so that the NIP-2008 presents an increased number of agglomerations and generated load, whilst the number of wastewater treatment plants is reduced.

2.6.2 The NIP-2008 is based on an inventory of 57 agglomerations with a summation of generated load of **860.000 p.e**, which, according to the forecasts of development until the year 2012 (from official population census of 2001 as compared to the official population census of 1992) will have a generated load, arising from permanent, seasonal and tourist population, greater than 2.000 p.e.

2.6.2 The classification of ¨Urban¨ and ¨Rural¨ agglomerations is still maintained in the NIP-2008, which contains:

- Σ 7 Urban agglomerations = Σ 630.000 p.e.
- Σ 50 Rural agglomerations = Σ 230.000 p.e.

2.6.3 It is worth noting that the 7 ¨Urban Agglomerations¨ contribute to **73%** of the total generated load of the NIP-2008, whilst the 50 ¨Rural Agglomerations¨ contribute to the remaining **27%** of the total generated load of the NIP-2008.

2.7 Inventory of Agglomerations of NIP-2008

2.7.1 The revised inventory of agglomerations, with the revised generated loads is presented in Table 2.1 below.

Table 2.1 Revised Inventory of Agglomerations , NIP-2008

Ref. No.	Agglomeration ID	Agglomeration Name	Agglomeration size (p.e.)
		Urban Agglomerations	
1	CY11-Agglo	Nicosia	220.000
2	CY51-Agglo	Limassol	145.000
3	CY52-Agglo	Ayia Phyla	55.000
4	CY41-Agglo	Larnaca	70.000
5	CY51-Agglo	Paphos	67.000
6	CY31-Agglo	Ayia Napa	27.500
7	CY32-Agglo	Paralimni	45.500
7			**630.000**

		Rural Agglomerations	
1	CY101-Agglo	Peristerona	2.300
2	CY102-Agglo	Astromeritis	2.400
3	CY103-Agglo	Akaki	3.000
4	CY104-Agglo	Lythrodontas	3.500
5	CY105-Agglo	Paliometocho	4.500
6	CY106-Agglo	Kokkinotremithia	3.500
7	CY107-Agglo	Dhali	7.000
8	CY108-Agglo	Pera Chorio Nisou	4.000
9	CY109-Agglo	Lympia	2.300
10	CY110-Agglo	Kakopetria	2.500
11	CY111-Agglo	Tseri	6.000
12	CY112-Agglo	Yeri	8.000
13	CY501-Agglo	Kyperounda	2.200
14	CY502-Agglo	Platres	2.000
15	CY503-Agglo	Agros	2.500
16	CY504-Agglo	Pelendri	2.200
17	CY505-Agglo	Ypsonas	7.800
18	CY506-Agglo	Kolossi	4.500
19	CY507-Agglo	Episkopi	3.500
20	CY508-Agglo	Trachoni	3.500
21	CY509-Agglo	Pissouri	3.000
22	CY510-Agglo	Pano Polemidhia	3.500
23	CY511-Agglo	Ayios Tychonas Center	7.000
24	CY512-Agglo	Mouttagiaka Center	3.800
25	CY513-Agglo	Pareklissia Center	2.500
26	CY514-Agglo	Pyrgos Center	2.300
-	CY401-Agglo	Lefkara	DELETED
27	CY402-Agglo	Aradippou	16.000
28	CY403-Agglo	Kiti	3.800
29	CY404-Agglo	Pervolia	5.000
30	CY405-Agglo	Dromolaxia	5.200
31	CY406-Agglo	Livadhia Center	5.500
32	CY407-Agglo	Athienou	4.500
33	CY408-Agglo	Ormidhia	4.200
34	CY409-Agglo	Xylotymbou	3.500
35	CY410-Agglo	Xylofagou	5.300
36	CY411-Agglo	Pyla Center	2.800
37	CY412-Agglo	Meneou	2.300
38	CY413-Agglo	Voroklini Center	11.000
39	CY301-Agglo	Avgorou	4.500

40	CY302-Agglo	Sotira	5.400
41	CY303-Agglo	Liopetri	4.500
42	CY304-Agglo	Phrenaros	3.300
43	CY305-Agglo	Achna	2.400
44	CY306-Agglo	Derynia	6.000
45	CY601-Agglo	Polis Chrysochous	5.500
46	CY602-Agglo	Pegia	7.000
47	CY603-Agglo	Emba	5.500
48	CY604-Agglo	Chlorakas	10.000
49	CY605-Agglo	Kissonerga	3.500
50	CY606-Agglo	Tala	4.000
50			**230.000**
57		**TOTAL**	**860.000**

2.7.2 The same inventory, but with more explanation on the mergence of the Urban Agglomerations is presented in **Appendix 1** in Excel form. A comparison of the agglomerations inventory of NIP-2005 and NIP-2008, highlighting the modifications for each agglomeration, is also included in Appendix 1.

2.8 Specific Agglomerations changes

2.8.1 In the NIP-2008, the summation of the population equivalent increased to 860.000 as compared to 675.000 of NIP-2005, whilst the total number of agglomerations increased to 57 from 42 of NIP-2005. There are 16 new agglomerations added, whilst 1 agglomeration from NIP-2005 is deleted.

2.8.2 Due to the new methodology of delineation of agglomeration boarders and in particular the disintegration of the Urban Agglomerations, new agglomerations arise, 1 Urban and 9 new Rural, as follows:

1. Agia Phyla (CY52)
2. Tseri (CY111)
3. Geri (CY112)
4. Pano Polemidhia (CY510)
5. Agios Tychonas center (CY511)
6. Mouttagiaka center (CY512)
7. Emba (CY603)
8. Chlorakas (CY604)
9. Meneou (CY412) *
10. Voroklini center (CY413)

* the ¨Dromolaxia/Meneou¨ (CY405 before in NIP-2005) rural agglomeration has been split into two different rural agglomerations, ¨Dromolaxia¨ (CY405) and ¨Meneou¨ (CY413).

2.8.3 Due to the new method of calculating the size of the of agglomerations and the allowance of a factor of safety for their future growth, 6 new Rural agglomerations are now falling under the provisions of the Directive, as follows:

11. Pissouri (CY509)
12. Parekklisia center (CY513)
13. Pyrgos center (CY514)
14. Pyla center (CY411)
15. Kissonerga (CY605)
16. Tala (CY606)

2.8.4 Due to the new method of calculating the size of the agglomerations, 1 existing rural agglomeration seem to be falling out of the provisions of the Directive, as follows: Pano Lefkara (CY401) is excluded from the NIP-2008 due to the decrease in population growth (based on the 1992 and 2001 Census). Its total population equivalent for 2012 is estimated to be 1.862.

- Pano Lefkara (CY401) Now Excluded

2.9 Revised Structure for Commission Decision 93/481/EEC and Model Table 1

2.9.1 The structure for the Commission Decision 93/481/EEC submitted to EC on 5/3/2005 and the Model Table 1 submitted to EC with the clarifications of 11th December 2006, are now revised according to the NIP-2008 and presented in **Appendix 3.**

2.9.2 The ´position as at´ is considered to be the ¨**30th June, 2008**¨.

2.10 Revised Map of NIP-2008

2.10.1 A map reflecting diagrammatically the NIP-2008 and indicating all the 57 agglomerations and the unification / mergence of the uwwtps to serve these, is presented in **Appendix 4.**

2.10.2 The superceded Map, reflecting the NIP-2005 is also included for comparison.

2.11 Revised Time-schedule/Planning

2.11.1 A time-schedule of the planned activities of the Cypriot Authorities for the construction of the wastewater infrastructure and specifically for the new agglomerations included in the NIP-2008, are presented diagrammatically in **Appendix 5.**

3. Comparison of NIP-2005 and NIP-2008

3.1. NIP Baseline Inventory and Total Generated load of NIP

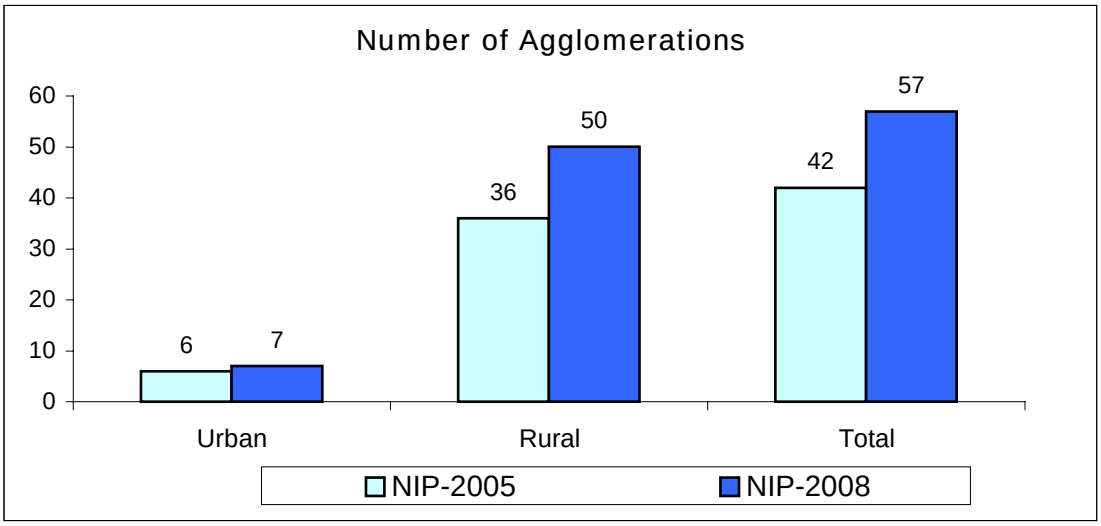
3.1.1. The basic comparison of the two NIPs can be concluded as below:

NIP –2005 = **Σ 42 agglomerations** = **Σ 675.000 p.e.**

NIP –2008 = **Σ 57 agglomerations** = **Σ 860.000 p.e.**

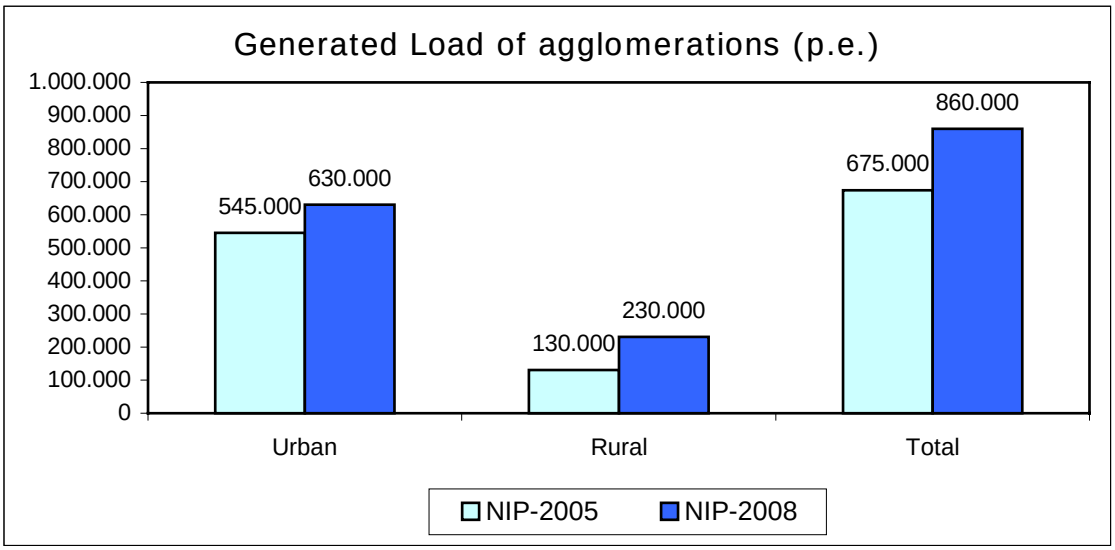
3.1.2. A diagrammatic comparison of the number of agglomerations between the two NIPs is presented in Chart 3.1.

Chart 3.1 Comparison of Number of Agglomerations



3.1.3. Chart 3.2 presents the comparison between the generated loads, for the Urban Agglomerations, Rural Agglomerations and the Totals.

Chart 3.2 Comparison of Generated Loads of Agglomerations



3.2. Comparison of Agglomeration classification

Table 3.1 Agglomeration classification according to size

Agglomeration Categories	NIP-2005		NIP-2008	
	No.	P.E.	No.	P.E.
2.000 to 10.000 p.e	35	119.000	47	193.000
10.000 to 15.000 p.e.	1	11.000	2	21.000
15.000 to 150.000 p.e	5	355.000	7	426.000
Over 150.000 p.e.	1	190.000	1	220.000
TOTALS	**42**	**675.000**	**57**	**860.000**

Table 3.2 Agglomeration classification in Normal Areas

Agglomeration Categories	NIP-2005		NIP-2008	
	No.	P.E.	No.	P.E.
2.000 to 10.000 p.e	31	102.900	43	173.800
10.000 to 15.000 p.e.	1	11.000	2	21.000
15.000 to 150.000 p.e	2	137.000	4	208.000
Over 150.000 p.e.	1	190.000	1	220.000
TOTALS	**35**	**440.900**	**49**	**622.800**
	83.3%	**65.3%**	**86 %**	**72 %**

Table 3.3 Agglomeration classification according in Sensitive Areas

Agglomeration Categories	NIP-2005		NIP-2008	
	No.	P.E.	No.	P.E.
2.000 to 10.000 p.e	4	16.100	4	19.200
10.000 to 15.000 p.e.	0	0	0	0
15.000 to 150.000 p.e	3*	218.000	3	218.000
Over 150.000 p.e.	0	0	0	0
TOTALS	**7**	**234.100**	**8**	**237.200**
	16.7%	**34.7%**	**14.0%**	**28 %**

3.3. Comparison of collecting systems

Chart 3.3 Comparison of Number of Collecting systems

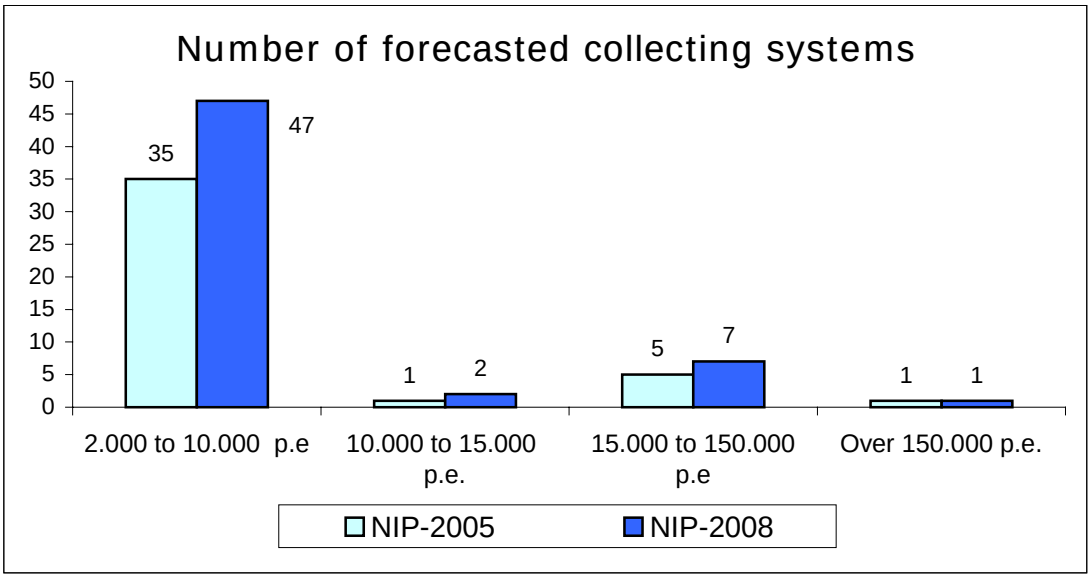
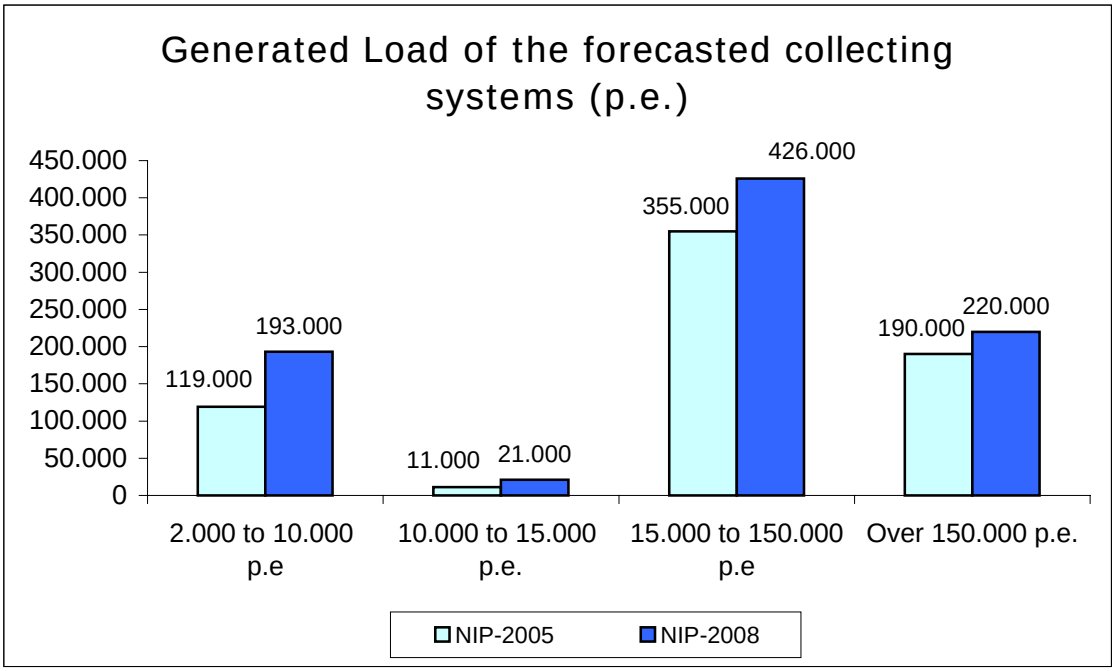


Chart 3.4 Comparison of Generated Load of Collecting systems



3.4 Comparison of number of UWWTPs and their ODC

3.4.1. As described in paragraphs 2.5.2 and 2.5.3 the Government's current policy in the last 2-3 years has been oriented towards creating shared wastewater treatment facilities between rural agglomerations and encouraging the sub-urban agglomerations to be unified administratively and share the infrastructure with their corresponding established Urban Sewerage Boards.

3.4.2. The above policy results into a reduced number of uwwtps in NIP-2008 with a total of 30 plants as compared to the 48 plants of NIP-2005, as indicated in Table 3.4.

3.4.3. Their Organic Design Capacity (ODC) of the 30 plants of NIP-2008 is increased as compared to the ODC of the 48 plants of NIP-2005.

Table 3.4 Comparison of UWWTP´s

UWWTP´s Categories	NIP-2005		NIP-2008	
	No.	ODC (P.E.)	No.	ODC (P.E.)
2.000 to 10.000 p.e	34	120.200	11	54.400
10.000 to 15.000 p.e.	2	22.000	1	11.000
15.000 to 150.000 p.e	11	724.163	17	994.166
Over 150.000 p.e.	1	202.000	1	202.000
TOTALS	**48**	**1.068.363**	**30**	**1.261.566**

3.4.4. Their Number of UWWTPs and their Organic Design Capacity (ODC) of the two NIPs is also compared diagrammatically in Charts 3.4 and 3.5 below.

Chart 3.4 : Comparison of Number of treatment Plants

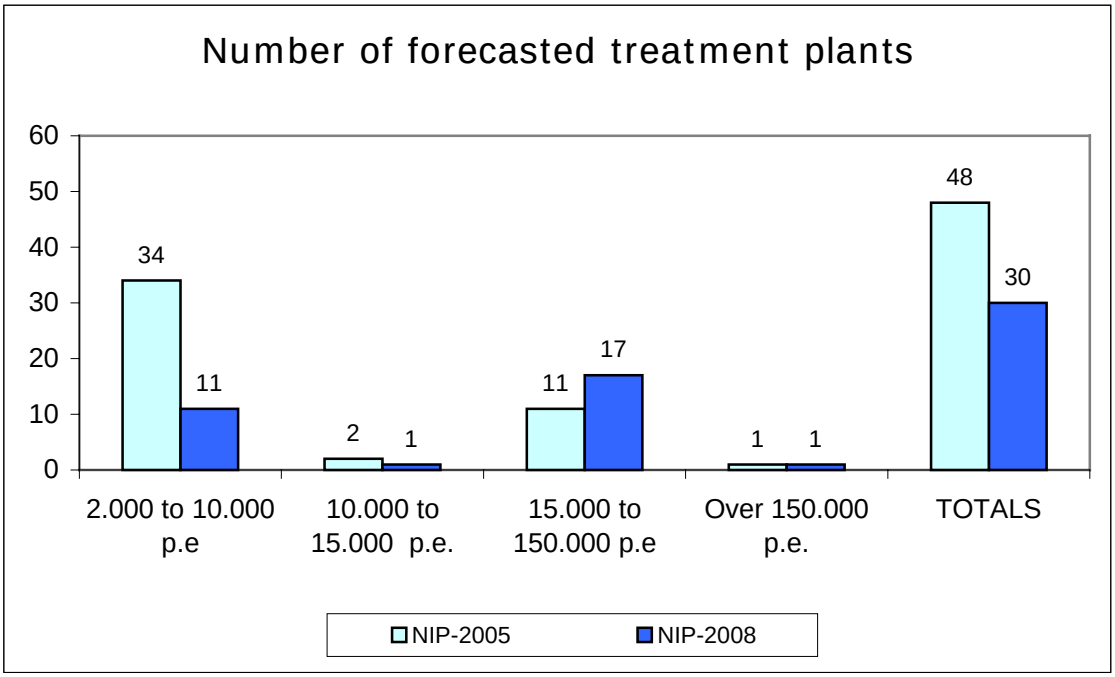
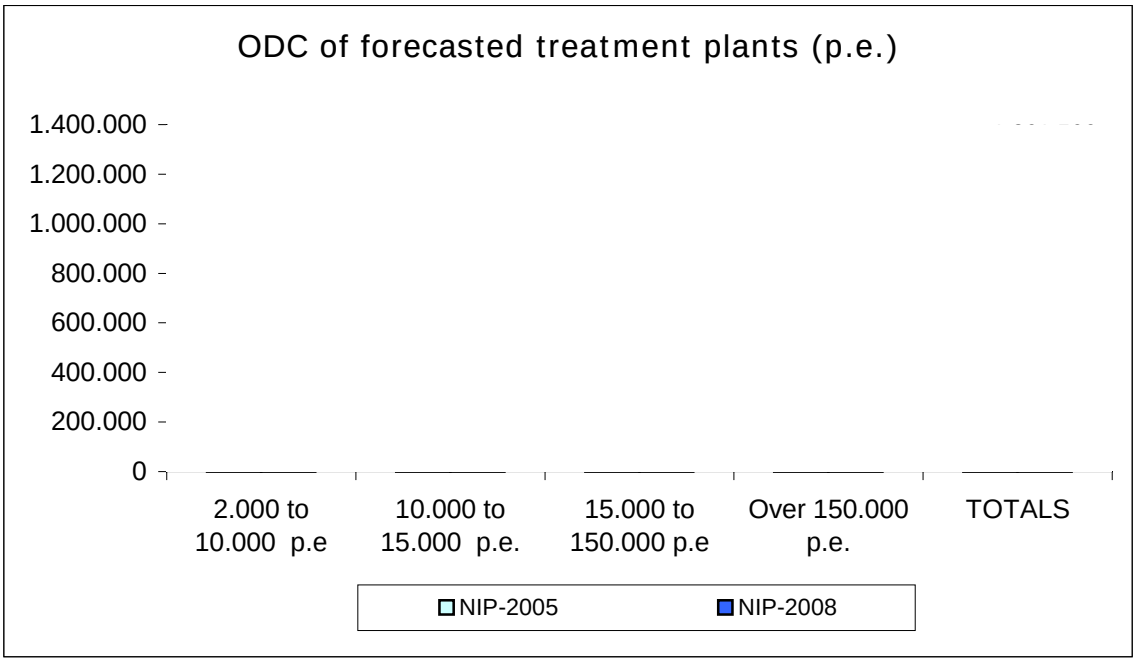


Chart 3.5: Comparison of the Organic Design Capacity of Treatment Plants



3.5. Comparison of sludge production

Table 3.5 Comparison of Sludge production

Year	NIP-2005		NIP-2008	
	Tons /Year (DS)		Tons /Year (DS)	
	Produced until 01-05-2004	Forecasted until 31-12-2012	Produced until 30-06-2008	Forecasted until 31-12-2012
Urban Agglomerations	8.400	17.040	9.570	17.890
Rural Agglomerations	103	1.308	186	3.255
TOTALS	**8.503**	**18.348**	**9.756**	**21.145**

3.6. Comparison of Investment needed

Table 3.6 Comparison of Investments spent and forecasted

Year	NIP-2005		NIP-2008	
	€ Million		€ Million	
	Spent until 01-05-2004	Forecasted to be spent until 31-12-2012	Spent until 30-06-2008	Forecasted to be spent until 31-12-2012
Urban Agglomerations	397.50	330.01	457.50	285.61
Rural Agglomerations	11.51	234.96	21.84	583.04
TOTAL Million €	**409.01**	**564.97**	**479.34**	**868.65**

4. Achievements until today & Improvements to come

4.1 Brief Overview of Situation today

4.1.1 Presently, from the 7 ¨Urban Agglomerations¨ included in the NIP-2008, the following has been achieved until today:

- 2 agglomerations (the main 2 tourists resorts of Paralimni and Ayia Napa) are provided fully with centralized collection systems and treatment facilities. Hence, they are considered to be in compliance 100%.
- 4 agglomerations (Nicosia, Limassol, Larnaca and Paphos) are provided partially with centralized collection systems and treatment facilities, in more than 50-60% of their area, whilst there is an on-going programme for their expansion.
- 1 agglomeration (Ayia Phyla) has the design for its collecting system in place, which is currently in the tendering phase for the construction. For the wastewater treatment facilities it will be served from the expansion/ upgradation of Limassol uwwtp Phase B΄.

4.1.2 From the 50 ¨Rural Agglomerations¨ included in NIP-2008, the following has been achieved until today:

- 6 agglomerations (Agros, Kyperounda, Platres, Dali, Pera Chorio and Pelendri) are provided fully with centralized collection systems and treatment facilities. Hence, they are considered to be in compliance 100%.
- 1 agglomeration (Lythrodontas) is currently in the final stages of construction for both its centralized collection system and its own treatment facilities.
- 27 agglomerations have their designs completed by independent consultants on behalf of the WDD, with pre-accession co-funding by EC. They are under the preparatory procedures for tendering for the construction.
- 6 agglomerations (Tseri, Yeri, Pano Polemidhia, Kissonerga, Chlorakas, Emba) have their designs completed by independent consultants on behalf of the Urban Sewerage Boards and are ready for the preparatory works of the construction.
- 1 agglomeration (Kakopetria) is provided partially with centralized wastewater infrastructure. The remaining portion has been designed by the WDD and is ready for the preparatory works of the construction.
- 1 agglomeration (Peyia) has been tendered in 2008 for selecting the consultants to carry out the feasibility and environmental studies, financial study and detailed design. The studies are under progress.
- 8 will be tendered for the selection of the consultant who will carry out their techno-economical studies and detailed designs.

4.2 Achievements: Agglomerations in Compliance

4.2.1 There are eight (8) agglomerations that are fully provided with centralized collection systems and treatment facilities are considered to be 100% in compliance with Articles 3, 4 and 5(2) of the Directive. These are :

2 Urban agglomerations - the 2 main tourists resorts of :

- Ayia Napa (CY31-Agglo)
- Paralimni (CY32- Agglo)

6 Rural agglomerations :

- Dali (CY107-Agglo)
- Pera Chorio Nísou (CY108-Agglo)
- Kyperounda (CY501-Agglo)
- Platres (CY502- Agglo)
- Agros (CY503-Agglo)
- Pelendri (CY504-Agglo)

4.2.1 As regards to the compliance rate, the above represent :

- 11.5% compliance of the generated load for the Urban agglomerations
- 8.7% compliance of the generated load for the Rural agglomerations

4.2.3 For checking the full compliance of the abovementioned agglomerations as regards to Art. 3(2), Art. 4(4) and Art. 5(2), being Annex I – Parts A and B, there is an on-going monitoring programme, carried out by independent consultants on behalf of the Environment Service of the MANRE. In case of non-compliance with Annex I, rectification measures are taken by the respective Sewerage Boards.

4.3 Improvements: Agglomerations under Construction

4.3.1 There are five (5) agglomerations that are partially (more than 50-60% of their areas) provided with centralized collection systems and treatment facilities and for which their infrastructure is currently being upgraded/completed. These are:

4 *Urban agglomerations - the 4 main towns of*:

- Nicosia (CY11-Agglo)
- Limassol (CY 51- Agglo)
- Larnaca (CY 41- Agglo)
- Paphos (CY 61- Agglo)

1 Rural agglomeration : Lythrodontas (CY104-Agglo)

4.4 Further Improvements to come: Agglomerations under planning

4.4.1 There are 35 agglomerations, for which the feasibility studies, Environmental Impact Assessment (EIA) studies, detailed design and financial studies has been completed.

4.4.2 These 35 agglomerations are all under the ¨preparation for construction¨ phase, but in different stages. The ¨preparation for construction¨ phase includes various administrative, financial and organizational stages, such as:

- Establishing the organization (Sewerage Board)
- Establishing the set-up for the organization (Regulations, tariffs, computers, software, personnel)
- Securing the required land
- Securing the finance
- Tendering for any additional studies to be done
- Tendering for the construction.

4.4.3 There are also 9 agglomerations, for which the techno-economical studies and detailed design has still to be done. For 1 of these, (Peyia), the Water Development Department has called in early 2008 for a tender for selecting the consultants to carry out the feasibility and environmental studies, financial study and detailed design. For the remaining 8, there shall be negotiations with the respective Urban Sewerage Boards, whether they will undertake the design or whether the same will be undertaken by the WDD. It is estimated that by early 2009, the tender for the design of these shall be out, with completion target of the design by early 2010.

4.5 Current state of affairs per Agglomeration

4.5.1 A detailed description of the current status of planning, tendering, construction, organizational, administrative and financial aspects for each agglomeration is given in **Appendix 6.**

4.6 Agglomerations with less than 2.000 p.e. – Long term planning

4.6.1 Although not a requirement of the Directive, the Water Development Department has a long-term plan to provide networks and appropriate systems to approx. 100 small rural communities with population below 2.000 p.e., for upgrading their existing individual sanitary facilities (septic tanks and adsorption pits).

4.6.2 The WDD appointed independent consultants, who carried out pre-feasibility studies for all these communities.

4.6.3 The aim of the pre-feasibility studies was to :

a) investigate the extent and seriousness of the sewerage problems per community

b) justify the necessity for centralized sewerage collection and treatment systems or propose other technical solutions, such as appropriate treatment, taking into consideration, geological, environmental, financial aspects, as well as recent governmental policies for mergence of infrastructure between neighboring communities

c) to prepare a well prioritized long-term plan taking into consideration the most critical aspect of finance.

4.6.4 Over and above the investment cost for compliance with the UWWTD's requirements, it is estimated that an additional investment of approximately 120 Million Euros will be required the communities with p.e. of less than 2.000.

4.7 Food Industries

4.7.1 Cyprus has in place and fully implements a waste discharge permitting system. Waste Discharge Permits are issued by the Minister of Agriculture, Natural Resources and the Environment according to the provisions of the Water Pollution Control Laws of 2002 to 2006.

4.7.2 The legal obligation under this Law is for owners/ managers of installations that discharge to water or soil to obtain a permit. The permitting procedure includes the submission by owners/ managers of installations of a comprehensive and detailed application for a Waste Discharge Permit.

4.7.3 The responsible Authority for the examination of the application, including field visits, is the Environment Service of MANRE that prepares a draft Permit submitted for discussion in the Technical Committee for the Protection of the Environment. The Committee, which includes representatives of government agencies, NGOs, etc. carries out consultations and formulates its technical advice. Based on the Technical Committee's advice, the Environment Service prepares the final Permit that is submitted to the Minister of Agriculture, Natural Resources and the Environment who issues the Permit.

4.7.4 In Cyprus there are eight (8) food-industries with generated load of more than 4.000 p.e. falling under Article 13 of the UWWTD. The 8 industries include a milk- processing plant, a brewery, 3 meat slaughterhouses and 3 poultry processing plants.

4.7.5 Their wastewater is not treated in central or uwwtps, but they have their own wastewater treatment plants instead with the majority of cases having tertiary treatment in place. In all cases the treated effluent is used for irrigation (grains and plants, olive trees, green areas around the industrial plants, etc.).

4.7.6 The inventory and the revised status of their permitting are presented in Model Table 2, **Appendix 7**.

5. Legal, administrative and financial aspects

5.1 Legal aspects and Responsible Authorities

5.1.1 The Ministry of Agriculture, Natural Resources and Environment (MANRE) has the overall responsibility for implementing the UWWTD. Specific allocation of responsibilities has been given to two of its Departments: the Water Development Department and the Environment Service.

5.1.2 As communicated to the EC on 11/12/2006, the UWWTD has been transposed through the following National Laws :

(i) The Water Pollution Control Law of 2002 (Basic Law)

(ii) The Water Pollution Control (Discharge of Municipal Wastewater) Regulations of 2003

(iii) The Water Pollution Control (Sensitive Areas to Municipal Wastewater Discharges) Decree of 2004

(iv) The Amendment of the Sewerage Systems Law in 2004.

5.1.3 The Water Pollution Control Law, its Regulations and Decrees have established appropriate actions and necessary measures for the protection of the Cyprus waters and soils from pollution, aiming to achieve good quality of the waters. Most of the EU Directives (including UWWTD) and the environmental acquis for the protection of water have been transposed mainly through Ministerial Orders and Council of Ministers Regulations issued under this Law.

5.1.4 The competent Authority for the implementation of the Water Pollution Control Law is the Minister of Agriculture, Natural Resources and the Environment (MANRE). The coordinating and responsible agency for the implementation and enforcement of the WPC Law is the Environment Service of MANRE. Other governmental departments, in particular the Water Development Department, the Department of Fisheries and Marine Research, the Department of Geological Survey, the Department of Medical and Public Health Services, as well as the State General Laboratory, are responsible mainly for monitoring the quality of water bodies.

5.1.5 The Sewerage Systems Law was amended in order to fully transpose Art. 3, Art. 4 and Art. 5(2), as well as Part A of Annex I of the Directive taking into account the Cyprus transitional period of 31-12-2012. It also provides for the authorisation of the discharges into collection networks. Under this Law, the Sewerage Board is the responsible body for securing funds, constructing, operating and maintaining the sewerage network and wastewater treatment facilities within its sewerage boundaries, as well as for the billing and collection of sewer tariffs.

5.1.6 According to the provisions of the Sewerage Systems Law, president of the established Sewerage Boards in all rural communities is the corresponding District Officer. President of the Sewerage Boards in all municipalities is the corresponding Mayor.

5.1.7 The competent Authority for the implementation of the Sewerage Law is the Minister of Interior.

5.1.8 However, according to the provisions of Article 3(4) of the Sewerage Systems Law, no agglomerations can be declared by a Decree as falling under the provisions of the UWWTD and of the said Law, nor sewerage boards can be established accordingly for promoting the construction of the works, unless:

a) a techno-economical study is prepared by the WDD of the MANRE

b) the Minister of Interior has expressed his views/ comments on the matter, as concluded after relevant negotiations took place with the stakeholders (communities or municipalities)

c) in the case where the Decree is affecting an existing Sewerage Board, the views of this Board must be considered.

5.2 Organizational set-ups for ensuring Directive compliance

5.2.1 The Cyprus Government, recognizing that many authorities are involved in the legal, procedural and administrative sides for implementing the UWWTD as described above and hence good co-ordination is required between them, has appointed a ¨**Project Ministerial Committee (PMC)**¨ in early 2007 for monitoring the progress and compliance with the Directive. The Ministers appointed for the PMC are the Minister of Agriculture, Natural Resources and Environment (MANRE), the Minister of Interior, the Minister of Finance and the Director General of the Planning Bureau. The terms of reference of the PMC include the policy making, as well as the procedural and administrative problem solving.

5.2.2 A ¨**Project Co-ordination Committee (PCC)**¨ has also been established by MANRE, for co-ordinating and promoting the implementation of the Project by the year 2012. The PCC reports to the PMC by means of regular reports and meetings where necessary. The Water Development Department (WDD) has been appointed as the president of PCC. The other members of the PCC are representatives from the Ministry of Interior, Ministry of Finance and the Planning Bureau.

5.2.3 The PCC monitors the day-to-day work carried out by the ¨**Project Implementation Unit (PIU)**¨ for the completion of the Project by 2012, which is formed within the Wastewater and Re-use Division of the WDD.

5.2.4 The role of the PIU in the implementation of the Project and fulfillment of the Cyprus obligation under the Directive is :

- to establish the National Implementation Programme (Article 17) of the UWWTD and report to the EC accordingly any updates.
- to train all stakeholders (municipalities, communities, sewerage boards) on the requirements of the UWWTD in general.
- to co-operate with the Environment Service of MANRE on the fulfillment of other Articles and reports under the Directive (Article 15 - Situation Report and Article 16 - Public report).
- to co-ordinate with the Urban Sewerage Boards on the progress of the implementation of the Directive for their portion of the works.
- to implement articles 3, 4 and 5(2) on behalf of the rural agglomerations i.e. to undertake the design, the preparation of the ToR and tendering, evaluation of tenders and the contract award, the supervision of construction and project management of the contracts.
- to act as a consultant to the established rural Sewerage Boards for the Operation and Maintenance stage of the projects, as regards to supervision of the treatment plant quality performance and other contractual matters.
- to technically support the Ministry of Finance during its negotiation with European Banks for securing of the finance, on behalf of the rural sewerage boards.
- to apply for the co-funding of rural sanitation projects through the Structural Funds and Cohesion Fund for 2007-2013 and implement the approved projects.
- to prepare time-schedules for the NIP, as well as for individual rural sanitation projects, to monitor the same and issue frequent updates.
- to issue regular reports to the PCC and PMC regarding the progress of the NIP and highlight any problems faced that are causing delays in the commencement of construction and that require actions on political legal or finance aspects.

5.2.5 The role of the Urban Sewerage Boards in the implementation of the NIP is the to undertake the securing of finance, the construction of collection systems and wastewater treatment facilities of the urban agglomerations and of any sub-urban / rural agglomerations that they are merged administratively with the respective Urban Sewerage Boards. The Boards are also responsible for the operation and monitoring of the said works.

5.2.6 The responsibility of the Environment Service in implementing the NIP is:

- to monitor the performance of the uwwtps according to Annex 1 of the UWWTD and issue Waste Discharge Permits
- to prepare reports as required in Article 15 - Situation Report and Article 16 - Public report
- to review every 4-years the designated sensitive areas

5.3 Investments needed and Financing Plans

5.3.1 Until today, a total amount of approx. €479 Million has been spent for the wastewater infrastructure in Cyprus, under the provisions of the Directive. It is expected that for the complete implementation of the NIP-2008, the additional amount to be spent will be approx. €869 Million, of which €286 Million corresponds to the Urban Agglomerations and €583 Million to the Rural ones.

5.3.2 The Government appreciates that the UWWTD, with its requirements for creating wastewater infrastructure, is one of the most expensive European Directives and hence subsidizes partly the wastewater infrastructure in the areas of low affordability. The Government's subsidy policy, therefore differs for the Rural and the Urban areas.

5.3.3 In the Rural areas, which are considered low affordability areas, the Government subsidizes substantially the wastewater sewerage infrastructure. The subsidy can be up to 80% of the capital investment. The rest of the funds are secured by the communal Sewerage Boards through loans from private financial institutions. The Planning Bureau carries out economic analysis so that cost recovery can be achieved by imposing the appropriate sewer tariffs.

5.3.4 Although Urban areas, are not considered low affordability areas, the Government subsides the capital investment of the tertiary treatment of the wastewater treatment facilities and re-use schemes only, with the provision that the Water Development Department capitalizes on the re-used treated effluent, as a natural resource. The finance is undertaken by the respective Urban Sewerage Boards.

5.3.5 The responsibility of securing the finance for the wastewater infrastructure, according to the Sewerage Systems Law, lies with the respective Sewerage Board.

5.3.6 For the rural areas, the loan for the construction is normally borrowed by the rural Sewerage Board from private financial institutions in two parts: [part A] is the contribution of the community with the Cyprus Government being the Guarantor and [Part B] is the Government's subsidy, paid back directly to the institutions by the Government.

5.3.7 In the urban areas, the borrower for the whole loan, is the respective Urban Sewerage Board and the government pays back to this Board its contribution for the subsidy which corresponds to the tertiary treatment of the wastewater treatment facilities and re-use schemes.

5.3.8 The Urban Sewerage Boards have until today secured the finance for the infrastructure of the urban agglomerations, partially from the European Investment Bank (EIB) or the Council of Europe Development Bank and local banks. For the Rural Sewerage project, the Ministry of Finance is in the stages of dialogues and negotiations with the EIB and Council of Europe Development Bank (CEB) for securing the finance.

5.4 Link of NIP-2008 and Cohesion Fund 2007-2013

5.4.1 Besides the efforts of the Cyprus Government for securing loans from European banks, the Planning Bureau, being the Managing Authority for the Structural Funds and Cohesion Fund for 2007-2013, in co-operation with the Water Development Department, are promoting the co-funding of Rural sanitation projects under the Operation Programme ¨Sustainable Development and Competitiveness¨.

5.4.2 The Implementing Authority for these co-funded projects will be the Water Development Department (WDD) and the Intermediate Body will be the Ministry of Communication and Public Works.

5.4.3 The WDD has already submitted the application for the co-funding of the first two eligible projects of ¨Astromerítis- Akaki- Peristerona Complex¨, of a total value of approx. €21,3 Million and ¨ Athienou ¨, of a total value of approx. €13,2 Million, to the Intermediate Body for approval. In parallel, WDD is progressing the required internal organization for the project Management of the project.

5.4.4 The WDD shall also prepare an application for the co-funding of an eligible ¨Major Project of 5 communities in the District of Larnaca/Famagusta¨. The matter has also been discussed with JASPERS (Joint Association for Support Projects in European Regions) in recent meetings in Cyprus.

5.4.5 Furthermore, WDD is in the process of obtaining all the required certificates for compliance with the European and National Environmental policy and Public Tendering policy, according to the Structural Fund and Cohesion policy.

6. Concluding Remarks

6.1 Progress of implementation

6.1.1 Cyprus Government considers that the overall progress in implementing the NIP-2005 so far is satisfactory, although the progress may not be tangible.

6.1.2 The actual % compliance rates, being 11.5% for the urban agglomerations and 8.7% for the rural ones, may not appear high. Nevertheless, the main problems that were faced in the last 2-3 years in the implementation of the wastewater infrastructure, being mainly social (public acceptability), procedural, legal, organizational and administrative aspects, have now been almost overcome and this is considered a good step in the right direction.

6.1.3 The other critical factor is the finance of the sanitation project, for which efforts are being made towards its solution.

6.2 Increased obligations – great challenge

6.2.1 Cyprus Government recognizes that, by the submission of the NIP-2008, its obligations under the UWWTD are increased considerably, whilst the time remaining until its transitional period of 2012 is elapsing.

6.2.2 Considering that 16 new agglomerations have been added in the revised NIP-2008, out of which for 9 agglomerations planning, design, construction and operation must be completed in approx. 4 years, whilst from experience each sanitation project has a lead time of 6 years (from the start of the planning phase to the operation phase), Cyprus Authorities consider this as a great challenge ahead.

6.2.3 Nevertheless, Cyprus Government wish to reassure the European Commission that they will endeavor all possible efforts for meeting promptly its commitments under the revised National Implementation Programme-2008 of the UWWTD.

APPENDIX 1

Inventory of Agglomerations for NIP-2008

Comparison of Agglomeration Inventory NIP-2008 and NIP-2005

Inventory of Agglomerations for NIP-2008

No.	Agglomeration ID.	Agglomeration Name	Agglomeration size (p.e.)
	A	**Urban Agglomerations**	
1	**CY11**	**Nicosia**	
		Nicosia Municipality	50.000
		Strovolos Municipality	68.000
		Lakatameia Municipality	36.000
		Aglantzia Municipality	21.000
		Egkomi Municipality	19.000
		Latsia Municipality	14.000
		Agios Dometios Municipality	12.000
			220.000
2	**CY51**	**Limassol**	
		Limassol Municipality Center	95.000
		Kato Polemidia Municipality Lower area	2.500
		Mesa Geitonia Municipality Center	9.500
		Germasogeia Municipality Center	11.500
		Agios Athanasios Municipality Center	9.800
		Pyrgos Tourist area	2.900
		Parekklisia Tourist area	2.500
		Agios Tychonas Tourist area	9.300
		Mouttagiaka Tourist area	2.000
			145.000
3	**CY52**	**Ayia Phyla**	
		Limassol Municipality Upper Area	23.000
		Kato Polemidia Municipality Center	17.200
		Mesa Geitonia Municipality Upper Area	6.500
		Germasogeia Municipality Upper Area	2.300
		Agios Athanasios Municipality Upper Area	6.000
			55.000

Inventory of Agglomerations for NIP-2008

No.	Agglomeration ID.	Agglomeration Name	Agglomeration size (p.e.)
4	**CY41**	**Larnaka**	
		Larnaka Municipality	67.000
		Voroklini Tourist Area	1.000
		Livadhia Tourist Area	1.000
		Pyla Tourist Area	1.000
			70.000
5	**CY61**	**Paphos**	
		Paphos Municipality	56.500
		Geroskipou Municipality	10.500
			67.000
6	**CY31**	**Agia Napa**	**27.500**
7	**CY32**	**Paralimni**	**45.500**
7		**TOTAL FOR URBAN AGGLOMERATIONS**	**630.000**
	B	**Rural Agglomerations**	
		Nicosia District	
1	CY101	Peristerona	2.300
2	CY102	Astromeritis	2.400
3	CY103	Akaki	3.000
4	CY104	Lythrodontas	3.500
5	CY105	Palaiometocho	4.500
6	CY106	Kokkinotrimithia	3.500
7	CY107	Dali	7.000
8	CY108	Pera Chorio Nisou	4.000
9	CY109	Lympia	2.300
10	CY110	Kakopetria	2.500
11	CY111	Tseri	6.000
12	CY112	Yeri	8.000
			49.000

Inventory of Agglomerations for NIP-2008

No.	Agglomeration ID.	Agglomeration Name	Agglomeration size (p.e.)
		Limassol District	
13	CY501	Kyperounta	2.200
14	CY502	Pano Platres	2.000
15	CY503	Agros	2.500
16	CY504	Pelendri	2.200
17	CY505	Ypsonas	7.800
18	CY506	Kolossi	4.500
19	CY507	Episkopi	3.500
20	CY508	Trachoni	3.500
21	CY509	Pissouri	3.000
22	CY510	Pano Polemidia	3.500
23	CY511	Agios Tychonas Center	7.000
24	CY512	Mouttagiaka Center	3.800
25	CY513	Parekklisia Center	2.500
26	CY514	Pyrgos Center	2.300
			50.300
		Larnaca District	
-	CY401	Pano Lefkara	Deleted
27	CY402	Aradippou	16.000
28	CY403	Kiti	3.800
29	CY404	Perivolia	5.000
30	CY405	Dromolaxia	5.200
31	CY406	Livadia Center	5.500
32	CY407	Athienou	4.500
33	CY408	Ormideia	4.200
34	CY409	Xylotymvou	3.500
35	CY410	Xylofagou	5.300
36	CY411	Pyla Center	2.800
37	CY412	Meneou	2.300
38	CY413	Voroklini Center	11.000
			69.100

Inventory of Agglomerations for NIP-2008

No.	Agglomeration ID.	Agglomeration Name	Agglomeration size (p.e.)
		Farmagusta District	
39	CY301	Avgorou	4.500
40	CY302	Sotira	5.400
41	CY303	Liopetri	4.500
42	CY304	Frenaros	3.300
43	CY305	Achna	2.400
44	CY306	Deryneia	6.000
			26.100
		Paphos District	
45	CY601	Polis Chrysochous	5.500
46	CY602	Pegeia	7.000
47	CY603	Emba	5.500
48	CY604	Chlorakas	10.000
49	CY605	Kissonerga	3.500
50	CY606	Tala	4.000
			35.500
50		**TOTAL FOR RURAL AGGLOMERATIONS**	**230.000**
57		**GRAND TOTAL FOR NIP-2008**	**860.000**

Comparison of NIP-2005 and NIP-2008

No.	Agglomeration ID.	Agglomeration Name	Agglomeration size/generated load (p.e.)		Alterations from NIP-2005 to NIP-2008
			NIP-2005	NIP-2008	
	A	**Urban Agglomerations**			
1	**CY11**	**Nicosia**			
		Nicosia Municipality	47.000	50.000	-
		Strovolos Municipality	56.000	68.000	-
		Lakatameia Municipality	26.000	36.000	-
		Aglantzia Municipality	17.500	21.000	-
		Egkomi Municipality	11.000	19.000	-
		Latsia Municipality	11.500	14.000	-
		Agios Dometios Municipality	12.000	12.000	-
		Tseri	4.000	-	Disintegrated: New Rural Agglo CY111
		Yeri	5.000	-	Disintegrated: New Rural Agglo CY112
			190.000	**220.000**	
2	**CY51**	**Limassol**			
		Limassol Municipality -Center	90.000	95.000	-
		Kato Polemidia Municipality -Lower area	17.500	2.500	-
		Mesa Geitonia Municipality -Center	12.500	9.500	-
		Germasogeia Municipality -Center	8.000	11.500	-
		Agios Athanasios Municipality -Center	9.000	9.800	-
		Pano Polemidhia	3.500	-	Disintegrated : New Rural Agglo CY511
		Agios Tychonas -Tourist area	2.000	9.300	Tourist area only. Center disintegrated: New Rural Agglo CY511
		Mouttagiaka -Tourist area	2.500	2.000	Tourist area only. Center disintegrated: New Rural Agglo CY512
		Parekklisia -Tourist area	-	2.500	Tourist area only. Center disintegrated: New Rural Agglo CY513
		Pyrgos -Tourist area	-	2.900	Tourist area only. Center disintegrated: New Rural Agglo CY514
			145.000	**145.000**	
3	**CY52**	**Ayia Phyla**			New Agglomeration CY52
		Limassol Municipality -Upper Area	-	23.000	-
		Kato Polemidia Municipality -Center	-	17.200	-
		Mesa Geitonia Municipality -Upper Area	-	6.500	-
		Germasogeia Municipality -Upper Area	-	2.300	-
		Agios Athanasios Municipality -Upper Area	-	6.000	-
			0	**55.000**	

Comparison of NIP-2005 and NIP-2008

No.	Agglomeration ID.	Agglomeration Name	Agglomeration size/generated load (p.e.)		Alterations from NIP-2005 to NIP-2008
			NIP-2005	NIP-2008	
4	CY41	**Larnaka**			
		Larnaka Municipality	60.000	67.000	-
		Voroklini-Tourist Area	5.000	1.000	Tourist area only. Center disintegrated: New Rural Agglo CY413
		Livadhia-Tourist Area	5.000	1.000	Tourist area only. Center disintegrated: Existing Rural Agglo CY406
		Pyla-Tourist Area	-	1.000	Tourist area only. Center disintegrated: New Rural Agglo CY411
			70.000	**70.000**	
5	CY61	**Paphos**			
		Paphos Municipality	55.000	56.500	-
		Geroskipou Municipality	5.000	10.500	-
		Emba	3.000	-	Disintegrated: New Rural Agglo CY603
		Chlorakas	4.000	-	Disintegrated: New Rural Agglo CY604
			67.000	**67.000**	
6	CY31	**Agia Napa**	27.500	27.500	-
7	CY32	**Paralimni**	45.500	45.500	-
7		**TOTAL URBAN**	**545.000**	**630.000**	
	B	**Rural Agglomerations**			
		Nicosia District			
1	CY101	Peristerona	2.300	2.300	-
2	CY102	Astromeritis	2.400	2.400	-
3	CY103	Akaki	2.400	3.000	-
4	CY104	Lythrodontas	3.000	3.500	-
5	CY105	Palaiometocho	4.000	4.500	-
6	CY106	Kokkinotrimithia	3.000	3.500	-
7	CY107	Dali	3.000	7.000	-
8	CY108	Pera Chorio Nisou	2.000	4.000	-
9	CY109	Lympia	2.100	2.300	-
10	CY110	Kakopetria	2.500	2.500	-
11	CY111	Tseri	-	6.000	New Agglomeration: Before under CY11
12	CY112	Yeri	-	8.000	New Agglomeration: Before under CY11
			26.700	**49.000**	

Comparison of NIP-2005 and NIP-2008

No.	Agglomeration ID.	Agglomeration Name	Agglomeration size/generated load (p.e.)		Alterations from NIP-2005 to NIP-2008
			NIP-2005	NIP-2008	
		Limassol District			
13	CY501	Kyperounta	2.000	2.200	-
14	CY502	Pano Platres	2.000	2.000	-
15	CY503	Agros	2.500	2.500	-
16	CY504	Pelendri	3.000	2.200	-
17	CY505	Ypsonas	6.400	7.800	-
18	CY506	Kolossi	3.600	4.500	-
19	CY507	Episkopi	3.100	3.500	-
20	CY508	Trachoni	3.300	3.500	-
21	CY509	Pissouri	-	3.000	New Agglomeration
22	CY510	Pano Polemidia	-	3.500	New Agglomeration: Before under CY51
23	CY511	Agios Tychonas Center	-	7.000	New Agglomeration: Before under CY51
24	CY512	Mouttagiaka Center	-	3.800	New Agglomeration: Before under CY51
25	CY513	Parekklisia Center	-	2.500	New Agglomeration
26	CY514	Pyrgos Center	-	2.300	New Agglomeration
			25.900	**50.300**	
		Larnaca District			
-	CY401	Pano Lefkara	2.000	-	Deleted - decrease of population
27	CY402	Aradippou	11.000	16.000	-
28	CY403	Kiti	3.100	3.800	-
29	CY404	Perivolia	2.000	5.000	-
30	CY405	Dromolaxia	6.000	5.200	Disintegrated Meneou as seperated Agglo CY412
31	CY406	Livadia Center	4.800	5.500	-
32	CY407	Athienou	4.200	4.500	-
33	CY408	Ormideia	3.800	4.200	-
34	CY409	Xylotymvou	3.400	3.500	-
35	CY410	Xylofagou	5.000	5.300	-
36	CY411	Pyla Center	-	2.800	New Agglomeration
37	CY412	Meneou	-	2.300	New Agglomeration: Before under CY405
38	CY413	Voroklini Center	-	11.000	New Agglomeration: Before under CY41
			45.300	**69.100**	

Comparison of NIP-2005 and NIP-2008

No.	Agglomeration ID.	Agglomeration Name	Agglomeration size/generated load (p.e.)		Alterations from NIP-2005 to NIP-2008
			NIP-2005	NIP-2008	
		Farmagusta District			
39	CY301	Avgorou	4.000	4.500	-
40	CY302	Sotira	4.100	5.400	-
41	CY303	Liopetri	3.700	4.500	-
42	CY304	Frenaros	3.300	3.300	-
43	CY305	Achna	2.000	2.400	-
44	CY306	Deryneia	5.000	6.000	-
			22.100	**26.100**	
		Paphos District			
45	CY601	Polis Chrysochous	5.000	5.500	-
46	CY602	Pegeia	5.000	7.000	-
47	CY603	Emba	-	5.500	New Agglomeration: Before under CY 61
48	CY604	Chlorakas	-	10.000	New Agglomeration: Before under CY 61
49	CY605	Kissonerga	-	3.500	New Agglomeration
50	CY606	Tala	-	4.000	New Agglomeration
			10.000	**35.500**	
50		**TOTAL RURAL**	**130.000**	**230.000**	
57		**GRAND TOTAL**	**675.000**	**860.000**	

APPENDIX 2

Methodology for the Identification of Agglomerations for NIP-2008

Methodology for the Identification of Agglomerations for NIP-2008

1. Data Source

1.1 In order to identify the agglomerations included in the inventory of NIP-2008, the Water Development Department used official data from 3 sources:

- the 1992 population Census as issued by the Statistics Department
- the 2001 population Census as issued by the Statistics Department
- the 2007 tourism data as issued by the Cyprus Tourism Organisation (CTO)

1.2 The 1992 population Census, indicates the **permanent** population per each administrative entity, in the areas of the Republic of Cyprus under the effective control of the Government of the Republic of Cyprus.

1.3 The 2001 population Census includes additional data over and above the ones of the 1992 Census. Besides the **permanent** population, it indicates the number of permanent households, the number of temporary (**seasona**l) households and the number of various institutions per each administrative entity.

1.4 The 2007 tourism data as issued by the Cyprus Tourism Organisation (CTO) indicate the number of hotels, tourist apartments and available beds per each administrative entity.

2. Basic Assumptions made for the analysis of data

The following are the assumptions made by WDD for the analysis of data :

2.1 The first assumption that was made was that each administrative entity corresponds to an agglomeration, due to the format of the data given in the above-mentioned sources.

2.2 However, it is also assumed that not all the administrative entity (100%) would be served by a collecting system, but only its core. Hence, a concentration factor is applied on the size of each entity, representing the concentrated core of the entity and hence the term agglomeration. This factor ranges on a case-by case basis for each entity, depending on the densification of the entity.

2.3 By comparing the 2001 and 1992 permanent population data for each administrative entity, the average annual growth factor of the permanent population of the entity can derived for the period 1992-2001. For forecasting the population equivalent at the end of the entity's transitional period, it is assumed that this growth factor for the period 1992-2001 will be constant for the period 2002-2012.

2.4 It was assumed that for each temporary (seasonal) residence given in the 2001 census, 3 persons correspond per household on average. Hence the estimated temporary (or **seasonal**) population was derived for 2001.

2.5 As there are no comparison data for seasonal population with the 1992 census, it was assumed that no increase would occur on seasonal population from 2002-2012.

2.6 Since it was quite impossible to compare the tourist data between 2001 and 1992 and surely the tourist growth trend until 2012 could not be assumed to be the same as the one of 1992-2001 period, as in the case of the permanent population, it was therefore assumed that the tourist data of 2007 present a good average for the period 2002-2012.

3. Methodology of calculating the Size of Agglomerations

This methodology has to be read in conjunction with the attached Table - Appendix 2-1 of calculations :

3.1 The difference (increase or decrease) between the permanent population of the 1992 Census and the permanent population of the 2001 Census was calculated and expressed as a ¨percentage growth factor (%) for the period 1992-2001¨, which indicated the trend of increase or decrease in the permanent population of the administrative entity during those nine (9) years (1992-2001).

3.2 This percentage growth factor (%) was then divided by the nine (9) years (2001-1992), resulting in ¨the average annual growth factor¨ indicating the average trend of increase or the decrease of the permanent population for each administrative entity for the period 1992-2001.

3.3 This ¨average annual growth factor¨ was then multiplied by the permanent population of 2001 Census , as well as by the number of years, until the end of the entity's transitional period. The result which was then added to the permanent population of the 2001 Census indicates ¨the forecasted permanent population for the entity at its corresponding transitional period ¨.

3.4 By multiplying the temporary residences as given in the 2001 Census by 3 persons per residence the seasonal population per entity in 2001 was calculated.

3.5 By summing up the forecasted permanent population until each administrative entity's transitional period , the seasonal population of the entity in 2001 and the number of tourist beds in 2007 , the total forecasted generated load (p.e.) of the administrative entity until its transitional period is derived.

3.6 The total forecasted generated load of the administrative entity until its transitional period corresponds to the 100% of the administrative entity's size. Since the term ¨agglomeration¨ refers to ¨sufficiently concentrated areas¨ and since not 100% of the administrative entity would be served by a collecting system, but only its core, a concentration factor is applied on the size of each entity, representing the concentrated core of the entity and hence the term agglomeration. This concentration factor ranges on a case-by case basis for each entity, depending on the densification of the entity and is ranging from 75 to 95% .

3.7 Therefore, the total forecasted generated load of the agglomeration until its transitional period is derived.

3.8 This number is the submitted generated load (p.e.) of the agglomerations in the Inventory of Agglomerations of the NIP-2008 (Appendix 1).

4. Verification of agglomerations growth trend factor

4.1 WDD attempted to verify the correctiveness of assumption referred to in paragraph 2.3, i.e. that the growth factor for the period 1992-2001 will be the same as for the period 2002-2012 and hence to verify that the forecasted generated load of the administrative entities until their transitional period is realistic.

4.2 WDD prepared and distributed a questionnaire to all the eligible administrative entities of the NIP-2008 and others smaller ones aiming at deriving a growth factor from 2001-2007.

4.3 Data like the annual water consumption in past years 2001-2007, the development and building permits issued in 2001-2007, the tourist beds growth in 2001-2007 were requested in the questionnaire.

4.4 Unfortunately the response by local authorities to the questionnaire was not accomplished by 100%, due to practical reasons (e.g. unavailability of computerized past data).

4.5 After an in-depth analysis of the partially collected data, WDD derived to a growth factor for 2001-2007.

4.6 This 2001-2007 growth factor was randomly compared with the growth factor of 1992-2001 from the official Census and the one used as forecasted for 2001-2012.

4.7 It was concluded that for most of the agglomerations that have responded to the questionnaire, the 2 growth factors were more or less in-line and hence the forecasted generated load based on the above-described methodology was correct.

5. Mergence of administrative entities to agglomerations

5.1 Since at the time of preparing the NIP-2008 some of the urban administrative entities, had already merged into common Urban Sewerage Boards and had in place and/or planned for a common collecting system and were served by and/or planned a common UWWTP, these merged administrative entities were considered as one agglomeration, for the purpose of the Directive.

5.2 This aspect was mainly applicable in the 4 Urban Agglomerations, the Towns of Nicosia, Limassol, Larnaca and Paphos.

5.3 The merging of administrative entities into agglomerations is indicated in the Table Appendix 2-2 attached.

Table Appendix 2-2: **The merging of the administrative entities into the 7 urban agglomerations**

ID No.	Agglomeration name and its merged Administrative entities	NIP-2008
CY11	**Nicosia**	
1.1	Nicosia Municipality	50.000
1.2	Strovolos Municipality	68.000
1.3	Lakatamia Municipality	36.000
1.4	Aglandjia Municipality	21.000
1.5	Engomi Municipality	19.000
1.6	Latsia Municipality	14.000
1.7	Ayios Dometios Municipality	12.000
	Total for Agglomeration	**220.000**
CY51	**Limassol**	
2.1	Limassol Municipality Center	95.000
2.2	Kato Polemidhia Municipality Lower Area	2.500
2.3	Mesa Yetonia Municipality Center	9.500
2.4	Germasoyia Municipality Center	11.500
2.5	Ayios Athanasios Municipality Center	9.800
2.6	Pyrgos tourist Area	2.900
2.7	Parekklisia Tourist Area	2.500
2.8	Ayios Tychonas Tourist Area	9.300
2.9	Moutayiaka Tourist Area	2.000
	Total for Agglomeration	**145.000**
CY52	**Ayia Phyla**	
3.1	Limassol Municipality Upper Area	23.000
3.2	Kato Polemidhia Municipality center	17.200
3.3	Mesa Yetonia Municipality Upper Area	6.500
3.4	Germasoyia Municipality Upper Area	2.300
3.5	Ayios Athanasios Municipality Upper Area	6.000
	Total for Agglomeration	**55.000**
CY41	**Larnaca**	
4.1	Larnaca Municipality	67.000
4.2	Voroklini Tourist Area	1.000
4.3	Livadhia Tourist Area	1.000
4.4	Pyla Tourist Area	1.000
	Total for Agglomeration	**70.000**
CY61	**Paphos**	
6.1	Paphos Municipality	56.500
6.2	Yeroskipou Municipality	10.500
	Total for Agglomeration	**67.000**
CY31	**Ayia Napa**	**27.500**
CY32	**Paralimni**	**45.500**
	GRAND TOTAL URBAN	**630.000**

Table Appendix 2-1: Calculations for the size of Agglomerations for NIP-2008

No.	Agglomeration ID.	Agglomeration Name	Transitional period	Permanent Population in 1992	Permanent Population in 2001	Average Annual Growth Factor 1992-2001	Forecast permanent population until the agglom. transitional period	Total seasonal population	Number of tourist beds	Total forecasted generated load (p.e.) until the transitional period	Agglomeration Size/Generated Load (p.e) NIP-2008
	A	**Urban Agglomerations**									
1	**CY11**	**Nicosia**	2009								
		Nicosia Municipality		47.036	47.763	0,17%	48.419	10.929	1.640	60.988	50.000
		Strovolos Municipality		51.499	58.466	1,50%	65.497	6.429		71.926	68.000
		Lakatameia Municipality		20.932	28.466	4,00%	37.573	1.596		39.169	36.000
		Aglantzia Municipality		17.495	18.934	0,91%	20.318	1.968	51	22.337	21.000
		Egkomi Municipality		9.942	13.617	4,11%	18.091	1.758	553	20.402	19.000
		Latsia Municipality		10.015	12.180	2,40%	14.520	633		15.153	14.000
		Agios Dometios Municipality		12.117	12.123	0,01%	12.128	1.188	90	13.406	12.000
										243.382	**220.000**
2	**CY51**	**Limassol**	2008								
		Limassol Municipality Cente		87.136	94.628	0,96%	100.956	17.559	2.177	120.692	95.000
		Kato Polemidia Municipality Lower are		15.985	18.508	1,75%	20.780	1.359		22.139	2.500
		Mesa Geitonia Municipality Cente		11.533	13.519	1,91%	15.330	1.530	352	17.212	9.500
		Germasogeia Municipality Center		6.930	9.366	3,91%	11.927	5.766	2.544	20.237	11.500
		Agios Athanasios Municipality Cente		5.902	8.494	4,88%	11.395	999	288	12.682	9.800
		Pyrgos Tourist area		901	1.348	5,51%	2.165	666	1.110	3.941	2.900
		Parekklisia Tourist area		850	1.324	6,20%	2.226	840	846	3.912	2.500
		Agios Tychonas Tourist area		345	2.112	56,91%	15.333	3.771	3.921	23.025	9.300
		Mouttagiaka Tourist area		1.447	2.700	9,62%	5.558	615	63	6.236	2.000
										230.076	**145.000**
3	**CY52**	**Ayia Phyla**	2012								
		Limassol Municipality Upper Area		87.136	94.628	0,96%	100.956	17.559	2.177	120.692	23.000
		Kato Polemidia Municipality Cente		15.985	18.508	1,75%	20.780	1.359		22.139	17.200
		Mesa Geitonia Municipality Upper Are		11.533	13.519	1,91%	15.330	1.530	352	17.212	6.500
		Germasogeia Municipality Upper Area		6.930	9.366	3,91%	11.927	5.766	2.544	20.237	2.300
		Agios Athanasios Municipality Upper Are		5.902	8.494	4,88%	11.395	999	288	12.682	6.000
										192.962	**55.000**

Table Appendix 2-1: Calculations for the size of Agglomerations for NIP-2008

No.	Agglomeration ID.	Agglomeration Name	Transitional period	Permanent Population in 1992	Permanent Population in 2001	Average Annual Growth Factor 1992-2001	Forecast permanent population until the agglom. transitional period	Total seasonal population	Number of tourist beds	Total forecasted generated load (p.e.) until the transitional period	Agglomeration Size/Generated Load (p.e) NIP-2008
4	**CY41**	**Larnaca**	2012								
		Larnaca Municipality		43.586	46.714	0,80%	50.811	14.325	2.255	67.391	67.000
		Voroklini -Tourist area		-	-	-	-	-	-	-	1.000
		Livadia -Tourist area		-	-	-	-	-	-	-	1.000
		Pyla -Tourist area		-	-	-	-	-	-	-	1.000
										67.391	**70.000**
5	**CY61**	**Paphos**	2011								
		Paphos Municipality		19.452	26.252	3,88%	36.449	10.023	11.669	58.141	56.500
		Geroskipou Municipality		4.156	5.486	3,56%	7.437	816	2.854	11.107	10.500
										69.248	**67.000**
6	**CY31**	**Ayia Napa**	2012	1.795	2.881	6,72%	5.011	3.759	19.219	27.989	**27.500**
7	**CY32**	**Paralimni**	2008	7.721	11.101	4,86%	14.881	15.324	16.563	46.768	**45.500**
7		**TOTAL URBAN**									**630.000**
	B	**Rural Agglomerations**									
		Nicosia District									
1	CY101	Peristerona	2012	2.279	2.098	-0,88%	1.894	180	-	2.074	2.300
2	CY102	Astromeritis	2012	2.325	2.360	0,17%	2.403	207	-	2.610	2.400
3	CY103	Akaki	2012	2.372	2.653	1,32%	3.037	198	-	3.235	3.000
4	CY104	Lythrodontas	2012	2.015	2.622	3,35%	3.587	921	10	4.518	3.500
5	CY105	Palaiometocho	2012	3.540	4.110	1,79%	4.919	258	-	5.177	4.500
6	CY106	Kokkinotrimithia	2012	2.639	3.088	1,89%	3.730	249	-	3.979	3.500
7	CY107	Dali	2012	4.757	5.831	2,51%	7.440	384	-	7.824	7.000

Table Appendix 2-1: Calculations for the size of Agglomerations for NIP-2008

No.	Agglomeration ID.	Agglomeration Name	Transitional period	Permanent Population in 1992	Permanent Population in 2001	Average Annual Growth Factor 1992-2001	Forecast permanent population until the agglom. transitional period	Total seasonal population	Number of tourist beds	Total forecasted generated load (p.e.) until the transitional period	Agglomeration Size/Generated Load (p.e) NIP-2008
8	CY108	Pera Chorio Nisou	2012	3.109	3.559	1,61%	4.189	135	-	4.324	4.000
9	CY109	Lympia	2012	2.030	2.167	0,75%	2.346	186	-	2.532	2.300
10	CY110	Kakopetria	2012	1.251	1.203	-0,43%	1.147	1.377	446	2.970	2.500
11	CY111	Tseri	2012	4.176	5.268	2,91%	6.952	114		7.066	6.000
12	CY112	Yeri	2012	4.982	6.423	3,21%	8.694	348		9.042	8.000
										55.351	**49.000**
		Limassol District									
13	CY501	Kyperounta	2012	1.455	1.495	0,31%	1.545	975	25	2.545	2.200
14	CY502	Pano Platres	2012	377	193	-5,42%	78	1.878	717	2.673	2.000
15	CY503	Agros	2012	764	837	1,06%	935	987	332	2.254	2.500
16	CY504	Pelendri	2012	1.377	1.185	-1,55%	983	783	-	1.766	2.200
17	CY505	Ypsonas	2012	4.475	6.430	4,85%	9.863	630	-	10.493	7.800
18	CY506	Kolossi	2012	2.982	3.685	2,62%	4.747	339	-	5.086	4.500
19	CY507	Episkopi	2012	2.783	3.105	1,29%	3.544	225	200	3.969	3.500
20	CY508	Trachoni	2012	3.022	3.301	1,03%	3.673	141	-	3.814	3.500
21	CY509	Pissouri	2012	879	1.033	1,95%	1.254	1.878	578	3.710	3.000
22	CY510	Pano Polemidia	2012	3.703	3.749	0,14%	3.806	180	-	3.986	3.500
23	CY511	Agios Tychonas Center	2012	345	2.112	56,91%	15.333	3.771	3.921	23.025	7.000
24	CY512	Mouttagiaka Cente	2012	1.447	2.700	9,62%	5.558	615	63	6.236	3.800
25	CY513	Parekklisia Center	2012	850	1.324	6,20%	2.226	840	846	3.912	2.500
26	CY514	Pyrgos Center	2012	901	1.348	5,51%	2.165	666	1.110	3.941	2.300
										77.411	**50.300**
		Larnaca District									
	CY401	Pano Lefkara	2012	971	917	-0,62%	855	1.086	19	1.960	-
27	CY402	Aradippou	2012	7.223	11.459	6,52%	19.673	936	-	20.609	16.000
28	CY403	Kiti	2012	2.661	3.141	2,00%	3.833	501	-	4.334	3.800
29	CY404	Perivolia	2012	1.507	1.798	2,15%	2.222	3.756	349	6.327	5.000

Table Appendix 2-1: Calculations for the size of Agglomerations for NIP-2008

No.	Agglomeration ID.	Agglomeration Name	Transitional period	Permanent Population in 1992	Permanent Population in 2001	Average Annual Growth Factor 1992-2001	Forecast permanent population until the agglom. transitional period	Total seasonal population	Number of tourist beds	Total forecasted generated load (p.e.) until the transitional period	Agglomeration Size/Generated Load (p.e) NIP-2008
30	CY405	Dromolaxia	2012	4.422	4.995	1,44%	5.786	303	-	6.089	5.200
31	CY406	Livadia -Center	2012	3.965	4.875	2,55%	6.242	1.041	-	7.283	5.500
32	CY407	Athienou	2012	3.870	4.258	1,11%	4.780	417	-	5.197	4.500
33	CY408	Ormideia	2012	3.682	3.941	0,78%	4.280	444	-	4.724	4.200
34	CY409	Xylotymvou	2012	3.138	3.443	1,08%	3.852	228	-	4.080	3.500
35	CY410	Xylofagou	2012	4.511	4.981	1,16%	5.615	453	-	6.068	5.300
36	CY411	Pyla Center	2012	722	1.374	10,03%	2.891	2.088	1.907	6.886	2.800
37	CY412	Meneou	2012	951	1.196	2,86%	1.573	1.044	-	2.617	2.300
38	CY413	Voroklini Centre	2012	1.663	3.302	10,95%	7.280	3.702	1.503	12.485	11.000
										86.699	**69.100**
		Farmagusta District									
39	CY301	Avgorou	2012	3.585	4.002	1,29%	4.571	522	-	5.093	4.500
40	CY302	Sotira	2012	3.553	4.258	2,20%	5.291	681	-	5.972	5.400
41	CY303	Liopetri	2012	3.321	3.838	1,73%	4.568	285	-	4.853	4.500
42	CY304	Frenaros	2012	3.122	3.306	0,65%	3.544	156	-	3.700	3.300
43	CY305	Achna	2012	1.763	1.958	1,23%	2.223	405	-	2.628	2.400
44	CY306	Deryneia	2012	4.165	4.945	2,08%	6.077	837	-	6.914	6.000
										29.160	**26.100**
		Paphos District									
45	CY601	Polis Chrysochous	2012	1.252	1.892	5,68%	3.074	1.893	1.343	6.310	5.500
46	CY602	Pegeia	2012	1.551	2.359	5,79%	3.861	3.627	2.655	10.143	7.000
47	CY603	Emba	2012	2.069	3.678	8,64%	7.174	318	-	7.492	5.500
48	CY604	Chlorakas	2012	2.032	3.154	6,14%	5.283	3.435	3.072	11.790	10.000
49	CY605	Kissonerga	2012	1.092	1.406	3,19%	1.900	681	1.607	4.188	3.500
50	CY606	Tala	2012	730	1.586	13,03%	3.859	1.251	228	5.338	4.000
										45.261	**35.500**
50		**TOTAL RURAL**									**230.000**
57		**GRAND TOTAL**									**860.000**

APPENDIX 3

Table on Commission Decision 93/481/EEC

&

Model Table 1
for NIP-2008

Inventory, Status & Forecasts for

- **1-1 : Agglomerations & Transitional periods**
- **1-2 : Collecting systems**
- **1-3 : UWWT plants**
- **1-4 : Discharge points**
- **1-5 : Sludge production**
- **1-6 : Investments**

Explanatory Note

Cyprus Authorities downloaded from CIRCA the tables of the Commission Decision 93/481/EEC, as recently modified by the Commission to include Land Discharge.

However, some further modifications on the tables were considered necessary.

It was noticed that certain of the Tables 3 (for Article 4) and all of the Tables 4 (for Article 5(2)) do not include a column that indicates the class of agglomeration size ranging from 2.000 to 10.000 p.e.

This column was added, since Cyprus is implementing these Articles for the specific class of agglomeration size.

Furthermore the currency used in Table 7 is Euro.

BASELINE INVENTORY

MEMBER STATE : **CYPRUS**

AGGLOMERATIONS

As described by the Directive 91/271/EEC (Articles 2 to 7)

TABLE 1

Number (No) of agglomerations (Article (4)) and load as expressed in population equivalent (p.e. Article 2 (6))

Position as at 30 June 2008

Areas for Discharge / Class of agglomeration	Normal Areas						Sensitve Areas (Article 5(1))						Less Sensitve Areas (Article 6)				**Total for all areas**	
	A. Freshwaters and estuaries		B. Coastal waters		C. Discharges on Land		A. Freshwaters and estuaries		B. Coastal waters		C. Discharges on Land		A. Freshwaters and estuaries		B. Coastal waters			
	No.[1]	t.p.e.[2]	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.
from 2 to 10 000 p.e. 2 000 ≤ p.e. ≤ 10 000	3 (CY603, 605, 606)	13.000			40 (Rural)	160.800					4 (CY302, 303, 304, 306)	19.200					47	193.000
from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000	1 (CY604)	10.000			1 (CY413)	11.000											2	21.000
from 15 to 150 000 p.e. 15 000 < p.e. ≤ 150 000	1 (CY61)	67.000	22% of (CY51)	31.900	64% of (CY51) 1 (CY52) 1 (CY41) 1 (CY402)	92.800 55.000 70.000 16.000	14% of (CY51)	20.300			2 (CY31, 32)	73.000					7	426.000
More than 150 000 p.e. p.e. > 150 000	57% of (CY11)	125.000			43% of (CY11)	95.000											1	220.000
																Total inventory [3]	57	860.000

[1] No: number of agglomerations in the class described

[2] t.p.e : total population equivalent for all the agglomerations in the class described

[3] The total load of the agglomerations counted in the table is estimated to be ….% of the total load, expressed in population equivalent of the Member State

AS APPROPRIATE FOR THE APPLICATION
OF ARTICLE 5 (8)
BASELINE INVENTORY

MEMBER STATE : **CYPRUS**

TABLE 1 (a)

AGGLOMERATIONS

As described by the Directive 91/271/EEC (Articles 2 to 7)

Number (No) of agglomerations (Article 2(4)) and load as expressed in population equivalent (p.e.Article 2 (6))

Position as at 30 June 2008

Areas for Discharge / Class of agglomeration	A. Freshwaters and estuaries		B. Coastal waters		C. Discharges on Land		Total for all areas	
	No.[1]	t.p.e.[2]	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.
from 2 to 10 000 p.e. 2 000 ≤ p.e. ≤ 10 000								
from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000			ARTICLE 5 (8) NOT APPLICABLE					
from 15 to 150 000 p.e. 15 000 < p.e. ≤ 150 000								
More than 150 000 p.e. p.e. > 150 000								
						Total inventory [3]		

[1] No: number of agglomerations in the class described

[2] t.p.e : total population equivalent for all the agglomerations in the class described

[3] The total load of the agglomerations counted in the table is estimated to be ….% of the total load, expressed in population equivalent of the Member State

INVENTORY FOR COLLECTION

MEMBER STATE : **CYPRUS**

TABLE 2

COLLECTING SYSTEMS

As described by Article 3

Number and capacity of collecting systems ´deemed to be in compliance´[1] as at 30 June 2008

Areas for Discharge / Class of agglomeration	Normal Areas						Sensitve Areas (Article 5(1))						Less Sensitve Areas (Article 6)				**Total for all areas**	
	A. Freshwaters		B. Coastal waters		C. Discharges on Land		A. Freshwaters		B. Coastal waters		C. Discharges on Land		A. Freshwaters		B. Coastal waters			
	No.[2]	t.p.e.[3]	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.
from 2 to 10 000 p.e. 2 000 ≤ p.e. ≤ 10 000					6 (CY107,108, 501, 502, 503, 504)	19.900											6	19.900
from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000																		
from 15 to 150 000 p.e. 15 000 < p.e. ≤ 150 000											2 (CY31, 32)	73.000					2	73.000
More than 150 000 p.e. p.e. > 150 000																		

[1] ´deemed to be in compliance´ : considered as already complying with the requirements of the directive at the date indicated

[2] No: number of collecting systems which are ´deemed to be in compliance´ and already in operation, for all the agglomerations in the class described

[3] t.p.e : total population equivalent served by the collecting systems which are ´deemed to be in compliance´ and already in operation, for all the agglomerations in the class described

AS APPROPRIATE FOR THE APPLICATION
OF ARTICLE 5 (8)
INVENTORY FOR COLLECTION

MEMBER STATE : **CYPRUS**

TABLE 2 (a)

COLLECTING SYSTEMS

As described by Article 3

Number and capacity of collecting systems ´deemed to be in compliance´ [1] as at 30 June 2008

Areas for Discharge / Class of agglomeration	A. Freshwaters and estuaries		B. Coastal waters		C. Discharges on Land		**Total for all areas**	
	No.[1]	t.p.e.[2]	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.
from 2 to 10 000 p.e. 2 000 ≤ p.e. ≤ 10 000								
from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000			ARTICLE 5 (8) NOT APPLICABLE					
from 15 to 150 000 p.e. 15 000 < p.e. ≤ 150 000								
More than 150 000 p.e. p.e. > 150 000								

[1] ´deemed to be in compliance´ : considered as already complying with the requirements of the directive at the date indicated

[2] No: number of collecting systems which are ´deemed to be in compliance´ and already in operation, for all the agglomerations in the class described

[3] t.p.e : total population equivalent served by the collecting systems which are ´deemed to be in compliance´ and already in operation, for all the agglomerations in the class described

COLLECTING SYSTEMS

MEMBER STATE : **CYPRUS**

TABLE 2.1

PROGRAMME FOR THE IMPLEMENTATION OF ARTICLE 3 IN NORMAL AREAS

A. FRESHWATERS AND ESTUARIES

Number and capacity of collecting systems ´deemed to be in compliance´ [(1)] at the end of the year indicated

Class of agglomeration	from 2 to 10 000 p.e. 2 000 ≤ p.e. ≤ 10 000		from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000		from 15 to 150 000 p.e. 15 000 < p.e. ≤ 150 000		More than 150 000 p.e. p.e. > 150 000		Total for all classes	
Year	No.[(2)]	t.p.e.[(3)]	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.
2004										
2008										
2009							57% of (CY 11)	125.000	57% of 1	125.000
2011					1 (CY 61)	67.000			1	67.000
2012	3 (CY 603, 605,606)	13.000	1 (CY 604)	10.000					4	23.000

[(1)] ´deemed to be in compliance´ : considered as already complying with the requirements of the directive at the date indicated

[(2)] No: number of collecting systems which are ´deemed to be in compliance´ and already in operation, for all the agglomerations in the class described

[(3)] t.p.e : total population equivalent served by the collecting systems which are ´deemed to be in compliance´ and already in operation, for all the agglomerations in the class described

AS APPROPRIATE FOR THE APPLICATION
OF ARTICLE 5 (8)
COLLECTING SYSTEMS

MEMBER STATE : **CYPRUS**

TABLE 2.1 (a)

PROGRAMME FOR THE IMPLEMENTATION OF ARTICLE 3

A. FRESHWATERS AND ESTUARIES

Number and capacity of collecting systems ´deemed to be in compliance´ [1] at the end of the year indicated

Class of agglomeration	from 2 to 10 000 p.e. 2 000 ≤ p.e. ≤ 10 000		from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000		from 15 to 150 000 p.e. 15 000 < p.e. ≤ 150 000		More than 150 000 p.e. p.e. > 150 000		**Total for all classes**	
Year	No.[2]	t.p.e.[3]	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.
2004										
2008										
2009					ARTICLE 5 (8) NOT APPLICABLE					
2011										
2012										

[1] ´deemed to be in compliance´ : considered as already complying with the requirements of the directive at the date indicated

[2] No: number of collecting systems which are ´deemed to be in compliance´ and already in operation, for all the agglomerations in the class described

[3] t.p.e : total population equivalent served by the collecting systems which are ´deemed to be in compliance´ and already in operation, for all the agglomerations in the class described

COLLECTING SYSTEMS

MEMBER STATE : **CYPRUS**

TABLE 2.2

PROGRAMME FOR THE IMPLEMENTATION OF ARTICLE 3 IN NORMAL AREAS

B. COASTAL WATERS

Number and capacity of collecting systems ´deemed to be in compliance´ [1] at the end of the year indicated

Class of agglomeration	from 2 to 10 000 p.e. 2 000 ≤ p.e. ≤ 10 000		from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000		from 15 to 150 000 p.e. 15 000 < p.e. ≤ 150 000		More than 150 000 p.e. p.e. > 150 000		**Total for all classes**	
Year	No.[2]	t.p.e.[3]	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.
2004										
2008					22% of (CY51)	31.900			22% of 1	31.900
2009										
2011										
2012										

[1] ´deemed to be in compliance´ : considered as already complying with the requirements of the directive at the date indicated

[2] No: number of collecting systems which are ´deemed to be in compliance´ and already in operation, for all the agglomerations in the class described

[3] t.p.e : total population equivalent served by the collecting systems which are ´deemed to be in compliance´ and already in operation, for all the agglomerations in the class described

AS APPROPRIATE FOR THE APPLICATION
OF ARTICLE 5 (8)
COLLECTING SYSTEMS

MEMBER STATE : **CYPRUS**

TABLE 2.2 (a)

PROGRAMME FOR THE IMPLEMENTATION OF ARTICLE 3

B. COASTAL WATERS

Number and capacity of collecting systems ´deemed to be in compliance´ [1] at the end of the year indicated

Class of agglomeration	from 2 to 10 000 p.e. 2 000 ≤ p.e. ≤ 10 000		from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000		from 15 to 150 000 p.e. 15 000 < p.e. ≤ 150 000		More than 150 000 p.e. p.e. > 150 000		**Total for all classes**	
Year	No.[2]	t.p.e.[3]	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.
2004										
2008										
2009					ARTICLE 5 (8) NOT APPLICABLE					
2011										
2012										

[1] ´deemed to be in compliance´ : considered as already complying with the requirements of the directive at the date indicated

[2] No: number of collecting systems which are ´deemed to be in compliance´ and already in operation, for all the agglomerations in the class described

[3] t.p.e : total population equivalent served by the collecting systems which are ´deemed to be in compliance´ and already in operation, for all the agglomerations in the class described

COLLECTING SYSTEMS

MEMBER STATE : **CYPRUS**

TABLE 2.i

PROGRAMME FOR THE IMPLEMENTATION OF ARTICLE 3 IN NORMAL AREAS

C. DISCHARGES ON LAND

Number and capacity of collecting systems ´deemed to be in compliance´ [1] at the end of the year indicated

Class of agglomeration	from 2 to 10 000 p.e. 2 000 ≤ p.e. ≤ 10 000		from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000		from 15 to 150 000 p.e. 15 000 < p.e. ≤ 150 000		More than 150 000 p.e. p.e. > 150 000		**Total for all classes**	
Year	No.[2]	t.p.e.[3]	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.
2004	5 (CY107,108, 501, 502, 503	17.700							5	17.700
2008	1 (CY504)	2.200			64% of (CY51)	92.800			1 & 64% of 1	95.000
2009							43% of (CY11)	95.000	43% of 1	95.000
2011										
2012	34 (Rural)	140.900	1 (CY413)	11.000	1 (CY52) 1 (CY41) 1 (CY402)	55.000 70.000 16.000			38	292.900

[1] ´deemed to be in compliance´ : considered as already complying with the requirements of the directive at the date indicated

[2] No: number of collecting systems which are ´deemed to be in compliance´ and already in operation, for all the agglomerations in the class described

[3] t.p.e : total population equivalent served by the collecting systems which are ´deemed to be in compliance´ and already in operation, for all the agglomerations in the class described

AS APPROPRIATE FOR THE APPLICATION
OF ARTICLE 5 (8)
COLLECTING SYSTEMS

MEMBER STATE : **CYPRUS**

TABLE 2.i (a)

PROGRAMME FOR THE IMPLEMENTATION OF ARTICLE 3

C. DISCHARGES ON LAND

Number and capacity of collecting systems ´deemed to be in compliance´ [1] at the end of the year indicated

Class of agglomeration	from 2 to 10 000 p.e. 2 000 ≤ p.e. ≤ 10 000		from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000		from 15 to 150 000 p.e. 15 000 < p.e. ≤ 150 000		More than 150 000 p.e. p.e. > 150 000		**Total for all classes**	
Year	No.[2]	t.p.e.[3]	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.
2004										
2008										
2009					ARTICLE 5 (8) NOT APPLICABLE					
2011										
2012										

[1] ´deemed to be in compliance´ : considered as already complying with the requirements of the directive at the date indicated

[2] No: number of collecting systems which are ´deemed to be in compliance´ and already in operation, for all the agglomerations in the class described

[3] t.p.e : total population equivalent served by the collecting systems which are ´deemed to be in compliance´ and already in operation, for all the agglomerations in the class described

COLLECTING SYSTEMS

MEMBER STATE : **CYPRUS**

TABLE 2.3

PROGRAMME FOR THE IMPLEMENTATION OF ARTICLE 3 IN SENSITIVE AREAS (ARTICLE 5(1))

A. FRESHWATERS AND ESTUARIES

Number and capacity of collecting systems ´deemed to be in compliance´ [1] at the end of the year indicated

Class of agglomeration	from 2 to 10 000 p.e. 2 000 ≤ p.e. ≤ 10 000		from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000		from 15 to 150 000 p.e. 15 000 < p.e. ≤ 150 000		More than 150 000 p.e. p.e. > 150 000		**Total for all classes**	
Year	No.[2]	t.p.e.[3]	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.
2004										
2008					14% of (CY51)	20.300			14% of 1	20.300
2009										
2011										
2012										

[1] ´deemed to be in compliance´ : considered as already complying with the requirements of the directive at the date indicated

[2] No: number of collecting systems which are ´deemed to be in compliance´ and already in operation, for all the agglomerations in the class described

[3] t.p.e : total population equivalent served by the collecting systems which are ´deemed to be in compliance´ and already in operation, for all the agglomerations in the class described

COLLECTING SYSTEMS

MEMBER STATE : **CYPRUS**

TABLE 2.4

PROGRAMME FOR THE IMPLEMENTATION OF ARTICLE 3 IN SENSITIVE AREAS (ARTICLE 5(1))

B. COASTAL WATERS

Number and capacity of collecting systems ´deemed to be in compliance´ [(1)] at the end of the year indicated

Class of agglomeration	from 2 to 10 000 p.e. 2 000 ≤ p.e. ≤ 10 000		from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000		from 15 to 150 000 p.e. 15 000 < p.e. ≤ 150 000		More than 150 000 p.e. p.e. > 150 000		**Total for all classes**	
Year	No.[(2)]	t.p.e.[(3)]	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.
2004										
2008										
2009										
2011										
2012										

[(1)] ´deemed to be in compliance´ : considered as already complying with the requirements of the directive at the date indicated

[(2)] No: number of collecting systems which are ´deemed to be in compliance´ and already in operation, for all the agglomerations in the class described

[(3)] t.p.e : total population equivalent served by the collecting systems which are ´deemed to be in compliance´ and already in operation, for all the agglomerations in the class described

COLLECTING SYSTEMS

MEMBER STATE : **CYPRUS**

TABLE 2.4i

PROGRAMME FOR THE IMPLEMENTATION OF ARTICLE 3 IN SENSITIVE AREAS (ARTICLE 5(1))

C. DISCHARGES ON LAND

Number and capacity of collecting systems ´deemed to be in compliance´ [1] at the end of the year indicated

Class of agglomeration	from 2 to 10 000 p.e. 2 000 ≤ p.e. ≤ 10 000		from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000		from 15 to 150 000 p.e. 15 000 < p.e. ≤ 150 000		More than 150 000 p.e. p.e. > 150 000		**Total for all classes**	
Year	No.[2]	t.p.e.[3]	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.
2004					2 (CY31, 32)	73.000			2	73.000
2008										
2009										
2011										
2012	4 (CY302, 303, 304, 306)	19.200							4	19.200

[1] ´deemed to be in compliance´ : considered as already complying with the requirements of the directive at the date indicated

[2] No: number of collecting systems which are ´deemed to be in compliance´ and already in operation, for all the agglomerations in the class described

[3] t.p.e : total population equivalent served by the collecting systems which are ´deemed to be in compliance´ and already in operation, for all the agglomerations in the class described

COLLECTING SYSTEMS

MEMBER STATE : **CYPRUS**

TABLE 2.5

PROGRAMME FOR THE IMPLEMENTATION OF ARTICLE 3 IN LESS SENSITIVE AREAS (ARTICLE 6)

A. ESTUARIES

Number and capacity of collecting systems ´deemed to be in compliance´ [(1)] at the end of the year indicated

Class of agglomeration	from 2 to 10 000 p.e. 2 000 ≤ p.e. ≤ 10 000		from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000		from 15 to 150 000 p.e. 15 000 < p.e. ≤ 150 000		More than 150 000 p.e. p.e. > 150 000		**Total for all classes**	
Year	No.[(2)]	t.p.e.[(3)]	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.
2004										
2008										
2009					CYPRUS HAS NOT IDENTIFIED LESS SENSITIVE AREAS					
2011										
2012										

[(1)] ´deemed to be in compliance´ : considered as already complying with the requirements of the directive at the date indicated

[(2)] No: number of collecting systems which are ´deemed to be in compliance´ and already in operation, for all the agglomerations in the class described

[(3)] t.p.e : total population equivalent served by the collecting systems which are ´deemed to be in compliance´ and already in operation, for all the agglomerations in the class described

COLLECTING SYSTEMS

MEMBER STATE : **CYPRUS**

TABLE 2.6

PROGRAMME FOR THE IMPLEMENTATION OF ARTICLE 3 IN LESS SENSITIVE AREAS (ARTICLE 6)

B. COASTAL WATERS

Number and capacity of collecting systems ´deemed to be in compliance´ [(1)] at the end of the year indicated

Class of agglomeration	from 2 to 10 000 p.e. 2 000 ≤ p.e. ≤ 10 000		from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000		from 15 to 150 000 p.e. 15 000 < p.e. ≤ 150 000		More than 150 000 p.e. p.e. > 150 000		**Total for all classes**	
Year	No.[(2)]	t.p.e.[(3)]	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.
2004										
2008										
2009					CYPRUS HAS NOT IDENTIFIED LESS SENSITIVE AREAS					
2011										
2012										

[(1)] ´deemed to be in compliance´ : considered as already complying with the requirements of the directive at the date indicated

[(2)] No: number of collecting systems which are ´deemed to be in compliance´ and already in operation, for all the agglomerations in the class described

[(3)] t.p.e : total population equivalent served by the collecting systems which are ´deemed to be in compliance´ and already in operation, for all the agglomerations in the class described

INVENTORY FOR TREATMENT

MEMBER STATE : **CYPRUS**

TABLE 3

TREATMENT PLANTS

Treatment as described by Article 4

Number and capacity of plants "deemed to be in compliance" [1] as at 30 June 2008

Areas for Discharge / Class of agglomeration	Normal Areas						Sensitve Areas (Article 5(1))						Less Sensitve Areas				**Total for all areas**	
	A. Freshwaters		B. Coastal waters		C. Discharges on Land		A. Freshwaters		B. Coastal waters		C. Discharges on Land		A. Freshwaters		B. Coastal waters			
	No.[1]	t.p.e.[2]	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.
from 2 to 10 000 p.e. 2 000 ≤ p.e. ≤ 10 000					5 for (CY107,108, 501, 502, 503, 504)	19.900											5	19.900
from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000																		
from 15 to 150 000 p.e. 15 000 < p.e. ≤ 150 000											1 for (CY31,32)	73.000					1	73.000
More than 150 000 p.e. p.e. > 150 000																		

[1] "deemed to be compliance": considered as arleady complying with the requirements of the directive, at the date indicated.

[2] No : number of plants which are "deemed to be compliance" and already in operation, for all the agglomerations in the class described.

[3] t.p.e: total population equivalent for the plants which are "deemed to be in compliance" and already in operation, for all the agglomerations in the class described

Nota bene: The total load entering the treatment plants counted in the table is estimated to be ……% of the load, expressed in population equivalent of the Member State

AS APPROPRIATE FOR THE APPLICATION
OF ARTICLE 5 (8)
INVENTORY FOR TREATMENT

MEMBER STATE : **CYPRUS**

TABLE 3 (a)

TREATMENT PLANTS

Treatment as described by Article 4

Number and capacity of plants "deemed to be in compliance" [1] as at 30 June 2008

Areas for Discharge / Class of agglomeration	A. Freshwaters and estuaries		B. Coastal waters		C. Discharges on Land		**Total for all areas**	
	No.[1]	t.p.e.[2]	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.
from 2 to 10 000 p.e. 2 000 ≤ p.e. ≤ 10 000								
from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000			ARTICLE 5 (8) NOT APPLICABLE					
from 15 to 150 000 p.e. 15 000 < p.e. ≤ 150 000								
More than 150 000 p.e. p.e. > 150 000								

[1] "deemed to be compliance": considered as arleady complying with the requirements of the directive, at the date indicated.
[2] No : number of plants which are "deemed to be compliance" and already in operation, for all the agglomerations in the class described.
[3] t.p.e: total population equivalent for the plants which are "deemed to be in compliance" and already in operation, for all the agglomerations in the class described

Nota bene: The total load entering the treatment plants counted in the table is estimated to be ……% of the load, expressed in population equivalent of the Member State

TABLE 3.1

PROGRAMME FOR THE IMPLEMENTATION OF ARTICLE 4 IN NORMAL AREAS

A. FRESHWATERS AND ESTUARIES

Number and capacity of plants "deemed to be in compliance" [1] at the end of the year indicated

Class of agglomeration	from 2 to 10 000 p.e. 2 000 ≤ p.e. ≤ 10 000		from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000		from 15 to 150 000 p.e. 15 000 < p.e. ≤ 150 000		More than 150 000 p.e. p.e.> 150 000		**Total for all classes**	
Year	No.[2]	t.p.e.[3]	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.
2004										
2008										
2009							1 for (57% of CY11)	125.000	1 for 57% of 1)	125.000
2011					1 for (CY 61)	67.000			1	67.000
2012	1 for (CY 603, 605, 606)	13.000	1 for (CY604)	10.000					2	23.000

[1] "deemed to be compliance": considered as arleady complying with the requirements of the directive, at the date indicated.

[2] No : number of plants which are "deemed to be compliance" and already in operation, for all the agglomerations in the class described.

[3] t.p.e: total population equivalent for the plants which are "deemed to be in compliance" and already in operation, for all the agglomerations in the class described

Nota bene: The total load entering the treatment plants counted in the table is estimated to be ……% of the load, expressed in population equivalent of the Member State

AS APPROPRIATE FOR THE APPLICATION
OFARTICLE 5 (8)
TREATMENT PLANTS

MEMBER STATE : **CYPRUS**

TABLE 3.1 (a)

PROGRAMME FOR THE IMPLEMENTATION OF ARTICLE 4

A. FRESHWATERS AND ESTUARIES

Number and capacity of plants "deemed to be in compliance" [1] at the end of the year indicated

Class of agglomeration	from 2 to 10 000 p.e. 2 000 ≤ p.e. ≤ 10 000		from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000		from 15 to 150 000 p.e. 15 000 < p.e. ≤ 150 000		More than 150 000 p.e. p.e. > 150 000		Total for all classes	
Year	No.[2]	t.p.e.[3]	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.
2008										
2009					ARTICLE 5 (8) NOT APPLICABLE					
2011										
2012										

[1] "deemed to be compliance": considered as arleady complying with the requirements of the directive, at the date indicated.

[2] No : number of plants which are "deemed to be compliance" and already in operation, for all the agglomerations in the class described.

[3] t.p.e: total population equivalent for the plants which are "deemed to be in compliance" and already in operation, for all the agglomerations in the class described

Nota bene: The total load entering the treatment plants counted in the table is estimated to be ……% of the load, expressed in population equivalent of the Member State

TREATMENT PLANTS

MEMBER STATE : **CYPRUS**

TABLE 3.2

PROGRAMME FOR THE IMPLEMENTATION OF ARTICLE 4 IN NORMAL AREAS

B. COASTAL WATERS

Number and capacity of plants "deemed to be in compliance" [(1)] at the end of the year indicated

Class of agglomeration	(Article 4) from 2 to 10 000 p.e. 2 000 < p.e. ≤ 10 000		(Article 4) from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000		(Article 4) from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000		(Article 4) from 15 to 150 000 p.e. 15 000 < p.e. ≤ 150 000		(Article 4) More than 150 000 p.e. p.e. > 150 000		Total for all classes	
Year	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.
2004												
2008							22% of (CY51)	31.900			22% of 1	31.900
2009												
2011												
2012												

[(1)] "deemed to be compliance": considered as arleady complying with the requirements of the directive, at the date indicated.

[(2)] No : number of plants which are "deemed to be compliance" and already in operation, for all the agglomerations in the class described.

[(3)] t.p.e: total population equivalent for the plants which are "deemed to be in compliance" and already in operation, for all the agglomerations in the class described

Nota bene: The total load entering the treatment plants counted in the table is estimated to be ……% of the load, expressed in population equivalent of the Member State

AS APPROPRIATE FOR THE APPLICATION
OF ARTICLE 5 (8)
TREATMENT PLANTS

MEMBER STATE : **CYPRUS**

TABLE 3.2 (a)

PROGRAMME FOR THE IMPLEMENTATION OF ARTICLE 4

B. COASTAL WATERS

Number and capacity of plants "deemed to be in compliance" [(1)] at the end of the year indicated

Class of agglomeration	(Article 4) from 2 to 10 000 p.e. 2 000 < p.e. ≤ 10 000		(Article 4) from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000		(Article 4) from 15 to 150 000 p.e. 15 000 < p.e. ≤ 150 000		(Article 4) More than 150 000 p.e. p.e. > 150 000		**Total for all classes**	
Year	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.
2004										
2008										
2009					ARTICLE 5 (8) NOT APPLICABLE					
2011										
2012										

[(1)] "deemed to be compliance": considered as arleady complying with the requirements of the directive, at the date indicated.

[(2)] No : number of plants which are "deemed to be compliance" and already in operation, for all the agglomerations in the class described.

[(3)] t.p.e: total population equivalent for the plants which are "deemed to be in compliance" and already in operation, for all the agglomerations in the class described

Nota bene: The total load entering the treatment plants counted in the table is estimated to be ……% of the load, expressed in population equivalent of the Member State

TREATMENT PLANTS

MEMBER STATE : **CYPRUS**

TABLE 3.2 (i)

PROGRAMME FOR THE IMPLEMENTATION OF ARTICLE 4 IN NORMAL AREAS

C. DISCHARGES ON LAND

Number and capacity of plants "deemed to be in compliance" [1] at the end of the year indicated

Class of agglomeration	(Article 4) from 2 to 10 000 p.e. 2 000 ≤ p.e. ≤ 10 000		(Article 4) from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000		(Article 4) from 15 to 150 000 p.e. 15 000 < p.e. ≤ 150 000		(Article 4) More than 150 000 p.e. p.e. > 150 000		**Total for all classes**	
Year	No.[2]	t.p.e.[3]	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.
2004	4 (Rural)	17.700							4	17.700
2008	1 (CY504)	2.200			64% of (CY51)	92.800			1 & expansion of	95.000
2009							3 for (43% of CY11)	95.000	3 for (43% of 1)	95.000
2011										
2012	10 & expansions of (Rural)	140.900	1 (CY413)	11.000	expansion of for (CY52) 1 (CY41) 1 (CY402)	55.000 70.000 16.000			13	292.900

[1] "deemed to be compliance": considered as arleady complying with the requirements of the directive, at the date indicated.

[2] No : number of plants which are "deemed to be compliance" and already in operation, for all the agglomerations in the class described.

[3] t.p.e: total population equivalent for the plants which are "deemed to be in compliance" and already in operation, for all the agglomerations in the class described

Nota bene: The total load entering the treatment plants counted in the table is estimated to be ……% of the load, expressed in population equivalent of the Member State

AS APPROPRIATE FOR THE APPLICATION
OF ARTICLE 5 (8)
TREATMENT PLANTS

MEMBER STATE : **CYPRUS**

TABLE 3.2i (a)

PROGRAMME FOR THE IMPLEMENTATION OF ARTICLE 4

C. DISCHARGES ON LAND

Number and capacity of plants "deemed to be in compliance" [1] at the end of the year indicated

Class of agglomeration	(Article 4) from 2 to 10 000 p.e. 2 000 ≤ p.e. ≤ 10 000		(Article 4) from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000		(Article 4) from 15 to 150 000 p.e. 15 000 < p.e. ≤ 150 000		(Article 4) More than 150 000 p.e. p.e. > 150 000		Total for all classes	
Year	No.[2]	t.p.e.[3]	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.
2004										
2008										
2009					ARTICLE 5 (8) NOT APPLICABLE					
2011										
2012										

[1] "deemed to be compliance": considered as arleady complying with the requirements of the directive, at the date indicated.

[2] No : number of plants which are "deemed to be compliance" and already in operation, for all the agglomerations in the class described.

[3] t.p.e: total population equivalent for the plants which are "deemed to be in compliance" and already in operation, for all the agglomerations in the class described

Nota bene: The total load entering the treatment plants counted in the table is estimated to be ……% of the load, expressed in population equivalent of the Member State

TREATMENT PLANTS

MEMBER STATE : **CYPRUS**

TABLE 3.3

PROGRAMME FOR THE IMPLEMENTATION OF ARTICLE 4 IN SENSITIVE AREAS

A. FRESHWATERS AND ESTUARIES

Number and capacity of plants "deemed to be in compliance" [(1)] at the end of the year indicated

Class of agglomeration	(Article 4) from 2 to 10 000 p.e. 2 000 ≤ p.e. ≤ 10 000		(Article 4) from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000		(Article 4) from 15 to 150 000 p.e. 15 000 < p.e. ≤ 150 000		(Article 4) More than 150 000 p.e. p.e. > 150 000		**Total for all classes**	
Year	No.[(2)]	t.p.e.[(3)]	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.
2004										
2008					14% of (CY51)	20.300			14% of 1	20.300
2009										
2011										
2012										

[(1)] "deemed to be compliance": considered as arleady complying with the requirements of the directive, at the date indicated.

[(2)] No : number of plants which are "deemed to be compliance" and already in operation, for all the agglomerations in the class described.

[(3)] t.p.e: total population equivalent for the plants which are "deemed to be in compliance" and already in operation, for all the agglomerations in the class described

Nota bene: The total load entering the treatment plants counted in the table is estimated to be ……% of the load, expressed in population equivalent of the Member State

TREATMENT PLANTS

MEMBER STATE : **CYPRUS**

TABLE 3.4

PROGRAMME FOR THE IMPLEMENTATION OF ARTICLE 4 IN SENSITIVE AREAS

B. COASTAL WATERS

Number and capacity of plants "deemed to be in compliance" [(1)] at the end of the year indicated

Class of agglomeration	(Article 4) from 2 to 10 000 p.e. 2 000 < p.e. ≤ 10 000		(Article 4) from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000		(Article 4) from 15 to 150 000 p.e. 15 000 < p.e. ≤ 150 000		(Article 4) More than 150 000 p.e. p.e. > 150 000		**Total for all classes**	
Year	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.
2004										
2008										
2009										
2011										
2012										

[(1)] "deemed to be compliance": considered as arleady complying with the requirements of the directive, at the date indicated.

[(2)] No : number of plants which are "deemed to be compliance" and already in operation, for all the agglomerations in the class described.

[(3)] t.p.e: total population equivalent for the plants which are "deemed to be in compliance" and already in operation, for all the agglomerations in the class described

Nota bene: The total load entering the treatment plants counted in the table is estimated to be ……% of the load, expressed in population equivalent of the Member State

TREATMENT PLANTS

MEMBER STATE : **CYPRUS**

TABLE 3.4i

PROGRAMME FOR THE IMPLEMENTATION OF ARTICLE 4 IN SENSITIVE AREAS

C. DISCHARGES ON LAND

Number and capacity of plants "deemed to be in compliance" [1] at the end of the year indicated

Class of agglomeration	(Article 4) from 2 to 10 000 p.e. 2 000 ≤ p.e. ≤ 10 000		(Article 4) from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000		(Article 4) from 15 to 150 000 p.e. 15 000 < p.e. ≤ 150 000		(Article 4) More than 150 000 p.e. p.e. > 150 000		**Total for all classes**	
Year	No.[2]	t.p.e.[3]	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.
2004					1 (CY31,32)	73.000			1	73.000
2008										
2009										
2011										
2012	1 for (CY302, 303, 304, 306)	19.200							1	19.200

[1] "deemed to be compliance": considered as arleady complying with the requirements of the directive, at the date indicated.

[2] No : number of plants which are "deemed to be compliance" and already in operation, for all the agglomerations in the class described.

[3] t.p.e: total population equivalent for the plants which are "deemed to be in compliance" and already in operation, for all the agglomerations in the class described

Nota bene: The total load entering the treatment plants counted in the table is estimated to be ……% of the load, expressed in population equivalent of the Member State

TREATMENT PLANTS

MEMBER STATE : **CYPRUS**

TABLE 3.5

PROGRAMME FOR THE IMPLEMENTATION OF ARTICLE 4 AND 6 IN LESS SENSITIVE AREAS

A. ESTUARIES

Number and capacity of plants "deemed to be in compliance" [(1)] at the end of the year indicated

Class of agglomeration	(Article 6) from 2 to 10 000 p.e. 2 000 ≤ p.e. ≤ 10 000		(Article 6) from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000		(Article 6) from 15 to 150 000 p.e. 15 000 < p.e. ≤ 150 000		(Article 6) More than 150 000 p.e. p.e. > 150 000		**Total for all classes**	
Year	No.[(2)]	t.p.e.[(3)]	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.
2004										
2008										
2009					CYPRUS HAS NOT IDENTIFIED LESS SENSITIVE AREAS					
2011										
2012										

[(1)] "deemed to be compliance": considered as arleady complying with the requirements of the directive, at the date indicated.

[(2)] No : number of plants which are "deemed to be compliance" and already in operation, for all the agglomerations in the class described.

[(3)] t.p.e: total population equivalent for the plants which are "deemed to be in compliance" and already in operation, for all the agglomerations in the class described

Nota bene: The total load entering the treatment plants counted in the table is estimated to be ……% of the load, expressed in population equivalent of the Member State

TREATMENT PLANTS

MEMBER STATE : **CYPRUS**

TABLE 3.6

PROGRAMME FOR THE IMPLEMENTATION OF ARTICLE 4 AND 6 IN LESS SENSITIVE AREAS

B. COASTAL WATERS

Number and capacity of plants "deemed to be in compliance" [1] at the end of the year indicated

Class of agglomeration	(Article 6) from 2 to 10 000 p.e. 2 000 < p.e. ≤ 10 000		(Article 6) from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000		(Article 6) from 15 to 150 000 p.e. 15 000 < p.e. ≤ 150 000		(Article 6) More than 150 000 p.e. p.e. > 150 000		**Total for all classes**	
Year	No.[2]	t.p.e.[3]	No.[2]	t.p.e.[3]	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.
2004										
2008										
2009					CYPRUS HAS NOT IDENTIFIED LESS SENSITIVE AREAS					
2011										
2012										

[1] "deemed to be compliance": considered as arleady complying with the requirements of the directive, at the date indicated.

[2] No : number of plants which are "deemed to be compliance" and already in operation, for all the agglomerations in the class described.

[3] t.p.e: total population equivalent for the plants which are "deemed to be in compliance" and already in operation, for all the agglomerations in the class described

Nota bene: The total load entering the treatment plants counted in the table is estimated to be ……% of the load, expressed in population equivalent of the Member State

INVENTORY FOR TREATMENT
ARTICLE 5 (2)

MEMBER STATE : **CYPRUS**

TABLE 4

TREATMENT PLANTS

Treatment as described by Article 5(2)

Number and capacity of plants ´deemed to be in compliance´ [1] as at 30 June 2008

Areas for Discharge / Class of agglomeration	A. Freshwaters and estuaries		B. Coastal waters		C. Discharges on Land		**Total for all areas**	
	No.[2]	t.p.e.[3]	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.
from 2 to 10 000 p.e. 2 000 < p.e. ≤ 10 000					5 for (CY107,108, 501, 502, 503, 504)	19.900		
from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000								
from 15 to 150 000 p.e. 15 000 < p.e. ≤ 150 000					1 (CY31,32)	73.000	1	73.000
More than 150 000 p.e. p.e. > 150 000								

[1] "deemed to be compliance": considered as arleady complying with the requirements of the directive, at the date indicated.

[2] No : number of plants which are "deemed to be compliance" and already in operation, for all the agglomerations in the class described.

[3] t.p.e: total population equivalent for the plants which are "deemed to be in compliance" and already in operation, for all the agglomerations in the class described

AS APPROPRIATE FOR THE APPLICATION
OF ARTICLE 5(8)
INVENTORY FOR TREATMENT
ARTICLE 5(2)

MEMBER STATE : **CYPRUS**

TABLE 4(a)

TREATMENT PLANTS

Treatment as described by Article 5(2)

Number and capacity of plants ´deemed to be in compliance´ [1] as at 30 June 2008

Areas for Discharge / Class of agglomeration	A. Freshwaters and estuaries		B. Coastal waters		C. Discharges on Land		**Total for all areas**	
	No.[2]	t.p.e.[3]	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.
from 2 to 10 000 p.e. 2 000 < p.e. ≤ 10 000								
from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000								
from 15 to 150 000 p.e. 15 000 < p.e. ≤ 150 000			ARTICLE 5 (8) NOT APPLICABLE					
More than 150 000 p.e. p.e. > 150 000								

[1] "deemed to be compliance": considered as arleady complying with the requirements of the directive, at the date indicated.

[2] No : number of plants which are "deemed to be compliance" and already in operation, for all the agglomerations in the class described.

[3] t.p.e: total population equivalent for the plants which are "deemed to be in compliance" and already in operation, for all the agglomerations in the class described

TREATMENT PLANTS

MEMBER STATE : **CYPRUS**

TABLE 4.1

PROGRAMME FOR THE IMPLEMENTATION OF ARTICLE 5 (2) IN SENSITIVE AREAS

A. FRESHWATERS AND ESTUARIES

Number and capacity of plants "deemed to be in compliance" [1] at the end of the year indicated

Class of agglomeration	(Article 5) from 2 to 10 000 p.e. 2 000 < p.e. ≤ 10 000		(Article 5) from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000		(Article 5) from 15 to 150 000 p.e. 15 000 < p.e. ≤ 150 000		(Article 5) More than 150 000 p.e. p.e. > 150 000		**Total for all classes**	
Year	No.[2]	t.p.e.[3]	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.
2004										
2008					14% of (CY51)	20.300			14% of 1	20.300
2009										
2011										
2012										

[1] "deemed to be compliance": considered as arleady complying with the requirements of the directive, at the date indicated.

[2] No : number of plants which are "deemed to be compliance" and already in operation, for all the agglomerations in the class described.

[3] t.p.e: total population equivalent for the plants which are "deemed to be in compliance" and already in operation, for all the agglomerations in the class described

AS APPROPRIATE FOR THE APPLICATION
OF ARTICLE 5 (8)
TREATMENT PLANTS

MEMBER STATE : **CYPRUS**

TABLE 4.1(a)

PROGRAMME FOR THE IMPLEMENTATION OF ARTICLE 5 (2)

A. FRESHWATERS AND ESTUARIES

Number and capacity of plants "deemed to be in compliance" [1] at the end of the year indicated

Class of agglomeration	(Article 5) from 2 to 10 000 p.e. 2 000 < p.e. ≤ 10 000		(Article 5) from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000		(Article 5) from 15 to 150 000 p.e. 15 000 < p.e. ≤ 150 000		(Article 5) More than 150 000 p.e. p.e. > 150 000		**Total for all classes**	
Year	No.[2]	t.p.e.[3]	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.
2004										
2008					ARTICLE 5 (8) NOT APPLICABLE					
2009										
2011										
2012										

[1] "deemed to be compliance": considered as arleady complying with the requirements of the directive, at the date indicated.

[2] No : number of plants which are "deemed to be compliance" and already in operation, for all the agglomerations in the class described.

[3] t.p.e: total population equivalent for the plants which are "deemed to be in compliance" and already in operation, for all the agglomerations in the class described

TREATMENT PLANTS

MEMBER STATE : **CYPRUS**

TABLE 4.2

PROGRAMME FOR THE IMPLEMENTATION OF ARTICLE 5 (2) IN SENSITIVE AREAS

B. COASTAL WATERS

Number and capacity of plants "deemed to be in compliance" [(1)] at the end of the year indicated

Class of agglomeration	(Article 5) from 2 to 10 000 p.e. 2 000 < p.e. ≤ 10 000		(Article 5) from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000		(Article 5) from 15 to 150 000 p.e. 15 000 < p.e. ≤ 150 000		(Article 5) More than 150 000 p.e. p.e. > 150 000		**Total for all classes**	
Year	No.[(2)]	t.p.e.[(3)]	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.
2004										
2008										
2009										
2011										
2012										

[(1)] "deemed to be compliance": considered as arleady complying with the requirements of the directive, at the date indicated.

[(2)] No : number of plants which are "deemed to be compliance" and already in operation, for all the agglomerations in the class described.

[(3)] t.p.e: total population equivalent for the plants which are "deemed to be in compliance" and already in operation, for all the agglomerations in the class described

AS APPROPRIATE FOR THE APPLICATION
OF ARTICLE 5 (8)
TREATMENT PLANTS

MEMBER STATE : **CYPRUS**

TABLE 4.2 (a)

PROGRAMME FOR THE IMPLEMENTATION OF ARTICLE 5 (2)

B. COASTAL WATERS

Number and capacity of plants "deemed to be in compliance" [1] at the end of the year indicated

Class of agglomeration	(Article 5) from 2 to 10 000 p.e. 2 000 < p.e. ≤ 10 000		(Article 5) from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000		(Article 5) from 15 to 150 000 p.e. 15 000 < p.e. ≤ 150 000		(Article 5) More than 150 000 p.e. p.e. > 150 000		**Total for all classes**	
Year	No.[2]	t.p.e.[3]	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.
2004			\\							
2008					ARTICLE 5 (8) NOT APPLICABLE					
2009										
2011										
2012										

[1] "deemed to be compliance": considered as arleady complying with the requirements of the directive, at the date indicated.

[2] No : number of plants which are "deemed to be compliance" and already in operation, for all the agglomerations in the class described.

[3] t.p.e: total population equivalent for the plants which are "deemed to be in compliance" and already in operation, for all the agglomerations in the class described

TREATMENT PLANTS

MEMBER STATE : **CYPRUS**

TABLE 4.i

PROGRAMME FOR THE IMPLEMENTATION OF ARTICLE 5 (2) IN SENSITIVE AREAS

C. DISCHARGES ON LAND

Number and capacity of plants "deemed to be in compliance" [1] at the end of the year indicated

Class of agglomeration	(Article 5) from 2 to 10 000 p.e. 2 000 < p.e. ≤ 10 000		(Article 5) from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000		(Article 5) from 15 to 150 000 p.e. 15 000 < p.e. ≤ 150 000		(Article 5) More than 150 000 p.e. p.e. > 150 000		**Total for all classes**	
Year	No.[2]	t.p.e.[3]	No.[2]	t.p.e.[3]	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.
2004					1 (CY31,32)	73.000			1	73.000
2008										
2009										
2011										
2012	1 for (CY302, 303, 304, 306)	19.200								

[1] "deemed to be compliance": considered as arleady complying with the requirements of the directive, at the date indicated.

[2] No : number of plants which are "deemed to be compliance" and already in operation, for all the agglomerations in the class described.

[3] t.p.e: total population equivalent for the plants which are "deemed to be in compliance" and already in operation, for all the agglomerations in the class described

AS APPROPRIATE FOR THE APPLICATION
OF ARTICLE 5 (8)
TREATMENT PLANTS

MEMBER STATE : **CYPRUS**

TABLE 4.i(a)

PROGRAMME FOR THE IMPLEMENTATION OF ARTICLE 5 (2)

C. DISCHARGES ON LAND

Number and capacity of plants "deemed to be in compliance" [1] at the end of the year indicated

Class of agglomeration	(Article 5) from 2 to 10 000 p.e. 2 000 < p.e. ≤ 10 000		(Article 5) from 10 to 15 000 p.e. 10 000 < p.e. ≤ 15 000		(Article 5) from 15 to 150 000 p.e. 15 000 < p.e. ≤ 150 000		(Article 5) More than 150 000 p.e. p.e. > 150 000		**Total for all classes**	
Year	No.[2]	t.p.e.[3]	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.	No.	t.p.e.
2004										
2008					ARTICLE 5 (8) NOT APPLICABLE					
2009										
2011										
2012										

[1] "deemed to be compliance": considered as arleady complying with the requirements of the directive, at the date indicated.

[2] No : number of plants which are "deemed to be compliance" and already in operation, for all the agglomerations in the class described.

[3] t.p.e: total population equivalent for the plants which are "deemed to be in compliance" and already in operation, for all the agglomerations in the class described

INVENTORY FOR TREATMENT
ARTICLE 5(4)

MEMBER STATE : **CYPRUS**

TABLE 5

TREATMENT PLANTS

Treatment as described by Article 5(4)

Position as at the end of the year indicated

Year	Total number of urban waste water treatment plants in the area concerned	Total corresponding load in population equivalent	Percentage of reduction for total phosphorus	Percentage of reduction for total nitrogen
2008				

AS APPROPRIATE FOR THE APPLICATION OF ARTICLE 5 (8)
INVENTORY FOR TREATMENT
ARTICLE 5(4)

MEMBER STATE : **CYPRUS**

TABLE 5a

TREATMENT PLANTS

Treatment as described by Article 5(4)

Position as at the end of the year indicated

Year	Total number of urban waste water treatment plants in the area concerned	Total corresponding load in population equivalent	Percentage of reduction for total phosphorus	Percentage of reduction for total nitrogen
2008		ARTICLE 5(8) NOT APPLICABLE		

TREATMENT PLANTS

MEMBER STATE: **CYPRUS**

TABLE 5.1

PROGRAMME FOR THE IMPLEMENTATION OF ARTICLE 5(4) IN EACH SENSITIVE AREA

Position as at the end of the year indicated

Year	Total number of urban waste water treatment plante in the area concerned	Total corresponding load in population equivalent	Percentage of reduction for total phosphorus	Percentage of reduction for total nitrogen
2008				

AS APPROPRIATE FOR THE APPLICATION OF ARTICLE 5 (8)
TREATMENT PLANTS

MEMBER STATE: **CYPRUS**
TABLE: 5.1 (a)

PROGRAMME FOR THE IMPLEMENTATION OF ARTICLE 5(4)

Position as at the end of the year indicated

Year	Total number of urban waste water treatment plante in the area concerned	Total corresponding load in population equivalent	Percentage of reduction for total phosphorus	Percentage of reduction for total nitrogen
2008		ARTICLE 5(8) NOT APPLICABLE		

SLUDGE

MEMBER STATE: **CYPRUS**

TABLE 6

PROGRAMME FOR THE IMPLEMENTATION OF ARTICLE 14

DISPOSAL AND REUSE OF SLUDGE ARISING FROM URBAN WASTE WATER TREATMENT

Discharges expressed in tonnes of dry materials

Costs in Euro/tonne [1]

Discharge / Year	Sludge discharged into surface waters			Sludge reused				Sludge disposed					
	Pipelines	Ships	Others	Soil and agriculture		Others		Landfill		Incineration		Others	
				Quantity [2] (tonnes/year)	Costs[1]	Quantity[2]	Costs[1]	Quantity[2]	Costs[1]	Quantity[2]	Costs[1]	Quantity[2]	Costs[1]
Position as at 30 June 2008	0	0	0	8.906	-	0	-	0	-	200	-	650	-
2008	0	0	0	11.166	-	0	-	0	-	1.200	-	650	-
2009	0	0	0	19.506	-	0	-	0	-	1.200	-	650	-
2011	0	0	0	22.006	-	0	-	0	-	1.700	-	650	-
2012	0	0	0	28.551	-	0	-	0	-	1.700	-	650	-

[1] Optional/ See Model Table 1-6

[2] Cumulative Quantity of Sludge

CAPITAL INVESTMENT

MEMBER STATE: **CYPRUS**

TABLE 7

PROGRAMME FOR THE IMPLEMENTATION OF THE DIRECTIVE 91/271/EEC

Total amounts (in millions of Euros) and nature of the investment programmes

Cumulative investments, as calculated from 1 January 1993 at 1993 prices

Nature of the investments concerned / Period covered	Article 3 Collecting systems	Articles 4, 5, 6, 7 and 14 Investment costs for urban waste water treatment plants, sludge treatment plants and disposal plants
from 1994 to 2004 (1)		2,53
from 2004 to 2007 (1	311,57	167,77
from 1 January 2008 to end 2008	21,04	0,58
from 1 January 2009 to end 2009	54,06	25,53
from 1 January 2011 to end 2011	74,56	46,07
from 1 January 2012 to end 2012	563,32	305,33

(1) Completion optional.

Model Table 1-1: Inventory, status and forecasts for Agglomerations/Transitional periods

No.	1. Agglomeration			2. Transitional periods (date)			Agglomeration Co-ordinates	
	ID-agglomeration	Name of agglomeration	size/ generated load	Art. 3	Art. 4	Art. 5(2)	Longitude	Latitude
			p.e.	dd/mm/yy	dd/mm/yy	dd/mm/yy	(degrees)	(degrees)
	A	**Urban Agglomerations**						
1	CY11-Agglo	Nicosia	220.000	31-12-2009	31-12-2009	-	33,364374	35,174199
2	CY51-Agglo	Limassol	145.000	31-12-2008	31-12-2008	31-12-2008	33,043340	34,680645
3	CY52-Agglo	Ayia Phyla	55.000	31-12-2012	31-12-2012	-	33,027235	34,710205
4	CY41-Agglo	Larnaca	70.000	31-12-2012	31-12-2012	-	33,623916	34,922401
5	CY61-Agglo	Paphos	67.000	31-12-2011	31-12-2011	-	32,420477	34,776159
6	CY31-Agglo	Ayia Napa	27.500	31-12-2012	31-12-2012	31-12-2012	34,001018	34,989344
7	CY32-Agglo	Paralimni	45.500	31-12-2008	31-12-2008	31-12-2008	33,983084	35,037181
7		**TOTAL URBAN**	**630.000**					

Model Table 1-1: Inventory, status and forecasts for Agglomerations/Transitional periods

No.	1. Agglomeration			2. Transitional periods (date)			Agglomeration Co-ordinates	
	ID-agglomeration	Name of agglomeration	size/ generated load	Art. 3	Art. 4	Art. 5(2)	Longitude	Latitude
			p.e.	dd/mm/yy	dd/mm/yy	dd/mm/yy	(degrees)	(degrees)
	B	**Rural Agglomerations**						
		Nicosia District						
1	CY101-Agglo	Peristerona	2.300	31-12-2012	31-12-2012	-	33,079697	35,129634
2	CY102-Agglo	Astromeritis	2.400	31-12-2012	31-12-2012	-	33,039684	35,141376
3	CY103-Agglo	Akaki	3.000	31-12-2012	31-12-2012	-	33,130281	35,133648
4	CY104-Agglo	Lythrodontas	3.500	31-12-2012	31-12-2012	-	33,294403	34,950416
5	CY105-Agglo	Paliometocho	4.500	31-12-2012	31-12-2012	-	33,192177	35,123754
6	CY106-Agglo	Kokkinotremithia	3.500	31-12-2012	31-12-2012	-	33,200074	35,153066
7	CY107-Agglo	Dhali	7.000	31-12-2012	31-12-2012	-	33,419981	35,021654
8	CY108-Agglo	Pera Chorio	4.000	31-12-2012	31-12-2012	-	33,388204	35,012391
9	CY109-Agglo	Lympia	2.300	31-12-2012	31-12-2012	-	33,461677	34,997859
10	CY110-Agglo	Kakopetria	2.500	31-12-2012	31-12-2012	-	32,905087	34,990269
11	CY111-Agglo	Tseri	6.000	31-12-2012	31-12-2012	-	33,323214	35,072041
12	CY112-Agglo	Yeri	8.000	31-12-2012	31-12-2012	-	33,422556	35,106597
		Limassol District						
13	CY501-Agglo	Kyperounda	2.200	31-12-2012	31-12-2012	-	32,972809	34,939976
14	CY502-Agglo	Platres	2.000	31-12-2012	31-12-2012	-	32,861440	34,888419
15	CY503-Agglo	Agros	2.500	31-12-2012	31-12-2012	-	33,020418	34,917677
16	CY504-Agglo	Pelendri	2.200	31-12-2012	31-12-2012	-	32,965874	34,896437
17	CY505-Agglo	Ypsonas	7.800	31-12-2012	31-12-2012	-	32,961046	34,688315
18	CY506-Agglo	Kolossi	4.500	31-12-2012	31-12-2012	-	32,933222	34,669122
19	CY507-Agglo	Episkopi	3.500	31-12-2012	31-12-2012	-	32,904657	34,669671

Model Table 1-1: Inventory, status and forecasts for Agglomerations/Transitional periods

No.	1. Agglomeration			2. Transitional periods (date)			Agglomeration Co-ordinates	
	ID-agglomeration	Name of agglomeration	size/ generated load	Art. 3	Art. 4	Art. 5(2)	Longitude	Latitude
			p.e.	dd/mm/yy	dd/mm/yy	dd/mm/yy	(degrees)	(degrees)
20	CY508-Agglo	Trachoni	3.500	31-12-2012	31-12-2012	-	32,963920	34,656844
21	CY509-Agglo	Pissouri	3.000	31-12-2012	31-12-2012	-	32,700404	34,670035
22	CY510-Agglo	Pano Polemidia	3.500	31-12-2012	31-12-2012	-	32,999268	34,701028
23	CY511-Agglo	Ayios Tychonas Center	7.000	31-12-2012	31-12-2012	-	33,139984	34,72709
24	CY512-Agglo	Mouttagiaka Center	3.800	31-12-2012	31-12-2012	-	33,099857	34,720556
25	CY513-Agglo	Parekklisia Center	2.500	31-12-2012	31-12-2012	-	33,160815	34,744938
26	CY514-Agglo	Pyrgos Center	2.300	31-12-2012	31-12-2012	-	33,182432	34,743582
		Larnaca District						
-	CY401-Agglo	Lefkara	-	Deleted	Deleted	-	-	-
27	CY402-Agglo	Aradippou	16.000	31-12-2012	31-12-2012	-	33,592020	34,951522
28	CY403-Agglo	Kiti	3.800	31-12-2012	31-12-2012	-	33,573356	34,844195
29	CY404-Agglo	Pervolia	5.000	31-12-2012	31-12-2012	-	33,581117	34,829433
30	CY405-Agglo	Dromolaxia	5.200	31-12-2012	31-12-2012	-	33,586123	34,876913
31	CY406-Agglo	Livadia Center	5.500	31-12-2012	31-12-2012	-	33,631162	34,948502
32	CY407-Agglo	Athienou	4.500	31-12-2012	31-12-2012	-	33,541973	35,061703
33	CY408-Agglo	Ormideia	4.200	31-12-2012	31-12-2012	-	33,781629	34,992713
34	CY409-Agglo	Xylotymvou	3.500	31-12-2012	31-12-2012	-	33,744599	35,017545
35	CY410-Agglo	Xylophagou	5.300	31-12-2012	31-12-2012	-	33,849424	34,977019
36	CY411-Agglo	Pyla Center	2.800	31-12-2012	31-12-2012	-	33,692096	35,012292
37	CY412-Agglo	Meneou	2.300	31-12-2012	31-12-2012	-	33,595946	34,861256
38	CY413-Agglo	Voroklini Center	11.000	31-12-2012	31-12-2012	-	33,650812	34,987678

Model Table 1-1: Inventory, status and forecasts for Agglomerations/Transitional periods

No.	1. Agglomeration			2. Transitional periods (date)			Agglomeration Co-ordinates	
	ID-agglomeration	Name of agglomeration	size/ generated load	Art. 3	Art. 4	Art. 5(2)	Longitude	Latitude
			p.e.	dd/mm/yy	dd/mm/yy	dd/mm/yy	(degrees)	(degrees)
		Famagusta District						
39	CY301-Agglo	Avgorou	4.500	31-12-2012	31-12-2012	-	33,840202	35,036181
40	CY302-Agglo	Sotira	5.400	31-12-2012	31-12-2012	-	33,953214	35,028096
41	CY303-Agglo	Liopetri	4.500	31-12-2012	31-12-2012	-	33,892491	35,008486
42	CY304-Agglo	Phrenaros	3.300	31-12-2012	31-12-2012	-	33,923881	35,041803
43	CY305-Agglo	Achna	2.400	31-12-2012	31-12-2012	-	33,784096	35,054942
44	CY306-Agglo	Derynia	6.000	31-12-2012	31-12-2012	-	33,960176	35,063766
		Paphos District						
45	CY601-Agglo	Polis Chrysochous	5.500	31-12-2012	31-12-2012	-	32,426486	35,036707
46	CY602-Agglo	Peyia	7.000	31-12-2012	31-12-2012	-	32,384482	34,884802
47	CY603-Agglo	Emba	5.500	31-12-2012	31-12-2012	-	32,423760	34,805965
48	CY604-Agglo	Chlorakas	10.000	31-12-2012	31-12-2012	-	32,410735	34,800384
49	CY605-Agglo	Kissonerga	3.500	31-12-2012	31-12-2012	-	32,404663	34,823782
50	CY606-Agglo	Tala	4.000	31-12-2012	31-12-2012	-	32,434571	34,838227
50		**TOTAL RURAL**	**230.000**					
57		**GRAND TOTAL DIRECTIVE**	**860.000**					

Model Table 1-2: Inventory, status and forecasts for Collecting Systems

No.	1. Agglomeration			2. Collecting systems (Art. 3)			
	ID-agglomeration	Name of agglomeration	size/ generated load	ID collecting system	**Status as at 30/06/2008**	Forecasts for Art.3 to be in compliance(untill the end of each transitional period) (indicate date by using dd/mm/yy)	
					Capacity	Capacity	Date [3]
			p.e.		p.e.	p.e.	dd/mm/yy
	A	**Urban Agglomerations**					
1	CY11-Agglo	Nicosia	220.000	CY11_Coll	132.000	220.000	31-12-2009
2	CY51-Agglo	Limassol	145.000	CY51_Coll	115.000	145.000	31-12-2008
3	CY52-Agglo	Ayia Phyla	55.000	CY52_Coll	-	55.000	31-12-2012
4	CY41-Agglo	Larnaca	70.000	CY41_Coll	42.500	70.000	31-12-2012
5	CY61-Agglo	Paphos	67.000	CY61_Coll	50.000	67.000	31-12-2011
6	CY31-Agglo	Ayia Napa	27.500	CY31_Coll	27.500	-	01-05-2004
7	CY32-Agglo	Paralimni	45.500	CY32_Coll	45.500	-	01-05-2004
7		**TOTAL URBAN**	**630.000**		**412.500**	**557.000**	

Model Table 1-2: Inventory, status and forecasts for Collecting Systems

No.	1. Agglomeration			2. Collecting systems (Art. 3)			
	ID-agglomeration	Name of agglomeration	size/ generated load	ID collecting system	**Status as at 30/06/2008**	Forecasts for Art.3 to be in compliance(untill the end of each transitional period) (indicate date by using dd/mm/yy)	
					Capacity	Capacity	Date [3]
			p.e.		p.e.	p.e.	dd/mm/yy
	B	**Rural Agglomerations**					
		Nicosia District					
1	CY101-Agglo	Peristerona	2.300	CY101_Coll	-	2.300	31-12-2012
2	CY102-Agglo	Astromeritis	2.400	CY102_Coll	-	2.400	31-12-2012
3	CY103-Agglo	Akaki	3.000	CY103_Coll	-	3.000	31-12-2012
4	CY104-Agglo	Lythrodontas	3.500	CY104_Coll	-	3.500	31-12-2012
5	CY105-Agglo	Paliometocho	4.500	CY105_Coll	-	4.500	31-12-2012
6	CY106-Agglo	Kokkinotremithia	3.500	CY106_Coll	-	3.500	31-12-2012
7	CY107-Agglo	Dhali	7.000	CY107_Coll	2.850	4.150	31-12-2012
8	CY108-Agglo	Pera Chorio Nisou	4.000	CY108_Coll	1.860	2.140	31-12-2012
9	CY109-Agglo	Lympia	2.300	CY109_Coll	-	2.300	31-12-2012
10	CY110-Agglo	Kakopetria	2.500	CY110_Coll	1.200	1.300	31-12-2012
11	CY111-Agglo	Tseri	6.000	CY111_Coll	-	6.000	31-12-2012
12	CY112-Agglo	Yeri	8.000	CY112_Coll	-	8.000	31-12-2012

Model Table 1-2: Inventory, status and forecasts for Collecting Systems

No.	1. Agglomeration			2. Collecting systems (Art. 3)			
	ID-agglomeration	Name of agglomeration	size/ generated load	ID collecting system	**Status as at 30/06/2008**	Forecasts for Art.3 to be in compliance(untill the end of each transitional period) (indicate date by using dd/mm/yy)	
					Capacity	Capacity	Date [3]
			p.e.		p.e.	p.e.	dd/mm/yy
		Limassol District					
13	CY501-Agglo	Kyperounda	2.200	CY501_Coll	1.880	-	-
14	CY502-Agglo	Platres	2.000	CY502_Coll	1.800	-	-
15	CY503-Agglo	Agros	2.500	CY503_Coll	2.400	-	-
16	CY504-Agglo	Pelendri	2.200	CY504_Coll	2.200	-	-
17	CY505-Agglo	Ypsonas	7.800	CY505_Coll	-	7.800	31-12-2012
18	CY506-Agglo	Kolossi	4.500	CY506_Coll	-	4.500	31-12-2012
19	CY507-Agglo	Episkopi	3.500	CY507_Coll	-	3.500	31-12-2012
20	CY508-Agglo	Trachoni	3.500	CY508_Coll	-	3.500	31-12-2012
21	CY509-Agglo	Pissouri	3.000	CY509_Coll	-	3.000	31-12-2012
22	CY510-Agglo	Pano Polemidia	3.500	CY510_Coll	-	3.500	31-12-2012
23	CY511-Agglo	Ayios Tychonas Center	7.000	CY511_Coll	-	7.000	31-12-2012
24	CY512-Agglo	Mouttagiaka Center	3.800	CY512_Coll	-	3.800	31-12-2012
25	CY513-Agglo	Parekklisia Center	2.500	CY513_Coll	-	2.500	31-12-2012
26	CY514-Agglo	Pyrgos Center	2.300	CY514_Coll	-	2.300	31-12-2012

Model Table 1-2: Inventory, status and forecasts for Collecting Systems

No.	1. Agglomeration			2. Collecting systems (Art. 3)			
	ID-agglomeration	Name of agglomeration	size/ generated load	ID collecting system	**Status as at 30/06/2008**	Forecasts for Art.3 to be in compliance(untill the end of each transitional period) (indicate date by using dd/mm/yy)	
					Capacity	Capacity	Date [3]
			p.e.		p.e.	p.e.	dd/mm/yy
		Larnaca District					
-	CY401-Agglo	Lefkara	-	-	-	-	-
27	CY402-Agglo	Aradippou	16.000	CY402_Coll	-	16.000	31-12-2012
28	CY403-Agglo	Kiti	3.800	CY403_Coll	-	3.800	31-12-2012
29	CY404-Agglo	Pervolia	5.000	CY404_Coll	-	5.000	31-12-2012
30	CY405-Agglo	Dromolaxia	5.200	CY405_Coll	-	5.200	31-12-2012
31	CY406-Agglo	Livadia Center	5.500	CY406_Coll	2.800	2.700	31-12-2012
32	CY407-Agglo	Athienou	4.500	CY407_Coll	-	4.500	31-12-2012
33	CY408-Agglo	Ormideia	4.200	CY408_Coll	-	4.200	31-12-2012
34	CY409-Agglo	Xylotymvou	3.500	CY409_Coll	-	3.500	31-12-2012
35	CY410-Agglo	Xylophagou	5.300	CY410_Coll	-	5.300	31-12-2012
36	CY411-Agglo	Pyla Center	2.800		-	2.800	31-12-2012
37	CY412-Agglo	Meneou	2.300	CY412_Coll	-	2.300	31-12-2012
38	CY413-Agglo	Voroklini Center	11.000	CY413_Coll	-	11.000	31-12-2012
		Famagusta District					
39	CY301-Agglo	Avgorou	4.500	CY301_Coll	-	4.500	31-12-2012
40	CY302-Agglo	Sotira	5.400	CY302_Coll	-	5.400	31-12-2012
41	CY303-Agglo	Liopetri	4.500	CY303_Coll	-	4.500	31-12-2012
42	CY304-Agglo	Phrenaros	3.300	CY304_Coll	-	3.300	31-12-2012
43	CY305-Agglo	Achna	2.400	CY305_Coll	-	2.400	31-12-2012
44	CY306-Agglo	Derynia	6.000	CY306_Coll	-	6.000	31-12-2012

Model Table 1-2: Inventory, status and forecasts for Collecting Systems

No.	1. Agglomeration			2. Collecting systems (Art. 3)			
	ID-agglomeration	Name of agglomeration	size/ generated load	ID collecting system	**Status as at 30/06/2008**	Forecasts for Art.3 to be in compliance(untill the end of each transitional period) (indicate date by using dd/mm/yy)	
					Capacity	Capacity	Date [3]
			p.e.		p.e.	p.e.	dd/mm/yy
		Paphos District					
45	CY601-Agglo	Polis Chrysochous	5.500	CY601_Coll	-	5.500	31-12-2012
46	CY602-Agglo	Peyia	7.000	CY602_Coll	-	7.000	31-12-2012
47	CY603-Agglo	Emba	5.500	CY603_Coll	-	5.500	31-12-2012
48	CY604-Agglo	Chlorakas	10.000	CY604_Coll	-	10.000	31-12-2012
49	CY605-Agglo	Kissonerga	3.500	CY605_Coll	-	3.500	31-12-2012
50	CY606-Agglo	Tala	4.000	CY606_Coll	-	4.000	31-12-2012
50		**TOTAL RURAL**	**230.000**		**16.990**	**212.390**	
57		**GRAND TOTAL DIRECTIVE**	**860.000**		**429.490**	**769.390**	

Model Table 1-3: Inventory, status and forecasts for UWWT plants

3. Treatment																				
No.	Name of agglomeration	General data					Status on treatment level as at 30/06/2008 (indicate status by using ¨0¨, ¨1¨,etc.)						Forecast of treatment level (until the end of each transitional period) (indicate date by using dd/mm/yy)						Receiving area
		ID-UWWTP [1]	Name of UWWTP	Coordinates		organic design capacity (ODC)	no treatment	primary	secondary	more stringent			no treatment	primary	secondary [2]	more stringent [2] (indicate date -dd/mm/yy)			NA,SA, LSA
				Longitude	Latitude														
				(degrees)	(degrees)	p.e.	0	1	2	3-N	3-P	3-other	0	1	2	3-N	3-P	3-other	
	Urban Agglomerations																		
1	Nicosia	CY11_1_UWWTP	Mia Milia	33,426730	35,189996	125.000	-	-	2	-	-	-	-	-	-	-	-	-	NA
		CY11_2_UWWTP	Anthoupolis - A´	33,272222	35,107500	-	CLOSED	-	-	-	-	-	-	-	-	-	-	-	-
		CY11_3_UWWTP	Central Vathia Gonia	33,448861	35,075833	50.000	-	-	2	-	-	3-other	-	-	-	-	-	-	NA
		CY11_4_UWWTP	Anthoupolis - B´	33,272222	35,107500	78.000	-	-	2	3-N	-	3-other	-	-	-	-	-	-	NA
		CY11_5_UWWTP	Vathia Gonia - A´	33,445528	35,081628	202.000	0	-	-	-	-	-	-	-	31-12-2009	31-12-2009	-	-	NA
2	Limassol	CY51_1_UWWTP	Limassol -Phase A´	33,214167	34,708056	113.000	-	-	2	3-N	3-P	-	-	-	-	-	-	-	NA,SA
		CY51_2_UWWTP	Limassol -Phase B´	33,214167	34,708056	120.000	0	-	-	-	-	-	-	-	31-12-2008	31-12-2008	31-12-2008	-	NA,SA
3	Ayia Phyla	CY51_2_UWWTP	Limassol -Phase B´	33,214167	34,708056	120.000	0	-	-	-	-	-	-	-	31-12-2012	31-12-2012	31-12-2012	-	NA,SA
4	Larnaca	CY41_1_UWWTP	Larnaca -Phase A´	33,628389	34,8644444	42.500	-	-	2	3-N	-	3-other	-	-	-	-	-	-	NA
		CY41_2_UWWTP	Larnaca - Phase B´	33,628389	34,8644444	65.000	0	-	-	-	-	-	-	-	31-12-2011	31-12-2011	-	31-12-2011	NA
		CY41_3_UWWTP	Larnaca - Phase C´	33,628389	34,8644444	22.000	0	-	-	-	-	-	-	-	31-12-2030	31-12-2030	-	31-12-2030	NA
5	Paphos	CY61_1_UWWTP	Paphos - Phase A´	32,459722	34,727222	38.333	-	-	2	3-N	-	3-other	-	-	-	-	-	-	NA
		CY61_2_UWWTP	Paphos - Phase B´	32,459722	34,727222	70.600	0	-	-	-	-	-	-	-	31-12-2011	31-12-2011	-	31-12-2011	NA
		CY61_3_UWWTP	Paphos - Phase C´	32,459722	34,727222	34.733	0	-	-	-	-	-	-	-	31-12-2020	31-12-2020	-	31-12-2020	NA
6	Ayia Napa	CY31_1_UWWTP	Paralimni /Ay. Napa -A´	34,040972	34,990972	73.000	-	-	2	3-N	3-P	3-other	-	-	-	-	-	-	SA
		CY31_2_UWWTP	Paralimni /Ay. Napa -B´	34,040972	34,990972	52.000	-	-	2	3-N	3-P	3-other	-	-	-	-	-	-	SA
7	Paralimni	CY31_1_UWWTP	Paralimni /Ay. Napa - A´	34,040972	34,990972	73.000	-	-	2	3-N	3-P	3-other	-	-	-	-	-	-	SA
		CY31_2_UWWTP	Paralimni /Ay. Napa -B´	34,040972	34,990972	52.000	-	-	2	3-N	3-P	3-other	-	-	-	-	-	-	SA

Model Table 1-3: Inventory, status and forecasts for UWWT plants

3. Treatment																				
No.	Name of agglomeration	General data					Status on treatment level as at 30/06/2008 (indicate status by using ¨0¨, ¨1¨,etc.)						Forecast of treatment level (until the end of each transitional period) (indicate date by using dd/mm/yy)						Receiving area
		ID-UWWTP [1]	Name of UWWTP	Coordinates		organic design capacity (ODC)	no treatment	primary	secondary	more stringent			no treatment	primary	secondary [2]	more stringent [2] (indicate date -dd/mm/yy)			NA,SA, LSA
				Longitude	Latitude														
				(degrees)	(degrees)	p.e.	0	1	2	3-N	3-P	3-other	0	1	2	3-N	3-P	3-other	
	Rural Agglomerations																		
	Nicosia District																		
1	Peristerona	CY101_UWWTP	Astromeritis	-	-	11.000	0	-	-	-	-	-	-	-	31-12-2011	-	-	31-12-2011	NA
2	Astromeritis	CY101_UWWTP	Astromeritis	-	-	11.000	0	-	-	-	-	-	-	-	31-12-2011	-	-	31-12-2011	NA
3	Akaki	CY101_UWWTP	Astromeritis	-	-	11.000	0	-	-	-	-	-	-	-	31-12-2011	-	-	31-12-2011	NA
4	Lythrodontas	CY102_UWWTP	Lythrodontas	-	-	3.500	0	-	-	-	-	-	-	-	31-12-2009	-	-	31-12-2009	NA
5	Paliometocho	CY11_4_UWWTP	Anthoupolis B´	33,272222	35,107500	78.000	-	-	2	3-N	-	3-other	-	-	-	-	-	-	NA
6	Kokkinotremithia	CY11_4_UWWTP	Anthoupolis B´	33,272222	35,107500	78.000	-	-	2	3-N	-	3-other	-	-	-	-	-	-	NA
7	Dhali	CY103_UWWTP	Dhali	33,425681	35,038917	5.000	-	-	2	-	-	3-other	-	-	-	-	-	-	NA
8	Pera Chorio Nisou	CY103_UWWTP	Dhali	33,425681	35,038917	5.000	-	-	2	-	-	3-other	-	-	-	-	-	-	NA
9	Lympia	CY11_5_UWWTP	Vathia Gonia A´	33,445528	35,081628	202.000	0	-	-	-	-	-	-	-	31-12-2009	31-12-2009	-	-	NA
10	Kakopetria	CY104_UWWTP	Kakopetria	32,905959	34,999545	1.200	-	-	2	-	-	-	-	-	-	-	-	-	NA
		CY105_UWWTP	Solea	-	-	8.500	0	-	-	-	-	-	-	-	31-12-2012	-	-	31-12-2012	NA
11	Tseri	CY11_4_UWWTP	Anthoupolis B´	33,272222	35,107500	78.000	-	-	2	3-N	-	3-other	-	-	-	-	-	-	NA
12	Yeri	CY11_5_UWWTP	Vathia Gonia A´	33,445528	35,081628	202.000	0	-	-	-	-	-	-	-	31-12-2009	31-12-2009	-	-	NA
	Limassol District																		
13	Kyperounda	CY501_UWWTP	Kyperounda	32,981844	34,934751	2.200	-	-	2	-	-	3-other	-	-	-	-	-	-	NA
14	Platres	CY502_UWWTP	Platres	32,861282	34,877345	2.000	-	-	2	-	-	3-other	-	-	-	-	-	-	NA
15	Agros	CY503_UWWTP	Agros	33,018866	34,912012	2.500	-	-	2	-	-	3-other	-	-	-	-	-	-	NA
16	Pelendri	CY504_UWWTP	Pelendri	32,966782	34,886906	3.000	-	-	2	-	-	3-other	-	-	-	-	-	-	NA
17	Ypsonas	CY505_UWWTP	Episkopi	-	-	35.000	0	-	-	-	-	-	-	-	31-12-2012	-	-	31-12-2012	NA
18	Kolossi	CY505_UWWTP	Episkopi	-	-	35.000	0	-	-	-	-	-	-	-	31-12-2012	-	-	31-12-2012	NA
19	Episkopi	CY505_UWWTP	Episkopi	-	-	35.000	0	-	-	-	-	-	-	-	31-12-2012	-	-	31-12-2012	NA
20	Trachoni	CY505_UWWTP	Episkopi	-	-	35.000	0	-	-	-	-	-	-	-	31-12-2012	-	-	31-12-2012	NA
21	Pissouri	CY506_UWWTP	Pissouri	-	-	7.000	0	-	-	-	-	-	-	-	31-12-2012	-	-	31-12-2012	NA
22	Pano Polemidia	CY51_2_UWWTP	Limassol-Phase B´	33,214167	34,708056	120.000	0	-	-	-	-	-	-	-	31-12-2008	31-12-2008	31-12-2008	-	NA
23	Ayios Tychonas Center	CY51_2_UWWTP	Limassol-Phase B´	33,214167	34,708056	120.000	0	-	-	-	-	-	-	-	31-12-2008	31-12-2008	31-12-2008	-	NA
24	Mouttagiaka Center	CY51_2_UWWTP	Limassol-Phase B´	33,214167	34,708056	120.000	0	-	-	-	-	-	-	-	31-12-2008	31-12-2008	31-12-2008	-	NA
25	Parekklisia Center	CY51_2_UWWTP	Limassol-Phase B´	33,214167	34,708056	120.000	0	-	-	-	-	-	-	-	31-12-2008	31-12-2008	31-12-2008	-	NA
26	Pyrgos Center	CY51_2_UWWTP	Limassol-Phase B´	33,214167	34,708056	120.000	0	-	-	-	-	-	-	-	31-12-2008	31-12-2008	31-12-2008	-	NA

Model Table 1-3: Inventory, status and forecasts for UWWT plants

3. Treatment																				
No.	Name of agglomeration	General data					Status on treatment level as at 30/06/2008 (indicate status by using ¨0¨, ¨1¨,etc.)						Forecast of treatment level (until the end of each transitional period) (indicate date by using dd/mm/yy)						Receiving area
		ID-UWWTP [1]	Name of UWWTP	Coordinates		organic design capacity (ODC)	no treatment	primary	secondary	more stringent			no treatment	primary	secondary [2]	more stringent [2] (indicate date -dd/mm/yy)			NA,SA, LSA
				Longitude	Latitude														
				(degrees)	(degrees)	p.e.	0	1	2	3-N	3-P	3-other	0	1	2	3-N	3-P	3-other	
	Larnaca District																		
-	Lefkara	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	Aradippou	CY401_UWWTP	Aradippou	-	-	25.000	0	-	-	-	-	-	-	-	31-12-2012	-	-	31-12-2012	NA
28	Kiti	CY41_2_UWWTP	Larnaca - Phase B´	33,628389	34,8644444	65.000	0	-	-	-	-	-	-	-	31-12-2011	31-12-2011	-	31-12-2011	NA
29	Pervolia	CY41_2_UWWTP	Larnaca - Phase B´	33,628389	34,8644444	65.000	0	-	-	-	-	-	-	-	31-12-2011	31-12-2011	-	31-12-2011	NA
30	Dromolaxia	CY41_2_UWWTP	Larnaca - Phase B´	33,628389	34,8644444	65.000	0	-	-	-	-	-	-	-	31-12-2011	31-12-2011	-	31-12-2011	NA
31	Livadia Center	CY402_UWWTP	Livadia Refugee Camp	33,612780	34,960554	2.000	-	-	2	-	-	3-other	-	-	-	-	-	-	NA
		CY41_2_UWWTP	Larnaca -Phase B´	33,628389	34,8644444	65.000	-	-	2	3-N	-	3-other	-	-	-	-	-	-	NA
32	Athienou	CY403_UWWTP	Athienou	-	-	7.500	0	-	-	-	-	-	-	-	31-12-2012	-	-	31-12-2012	NA
33	Ormideia	CY404_UWWTP	Ormideia	33,805156	34,998877	35.000	0	-	-	-	-	-	-	-	31-12-2012	31-12-2012	31-12-2012	31-12-2012	NA
34	Xylotymvou	CY404_UWWTP	Ormideia	33,805156	34,998877	35.000	0	-	-	-	-	-	-	-	31-12-2012	31-12-2012	31-12-2012	31-12-2012	NA
35	Xylophagou	CY404_UWWTP	Ormideia	33,805156	34,998877	35.000	0	-	-	-	-	-	-	-	31-12-2012	31-12-2012	31-12-2012	31-12-2012	NA
36	Pyla Center	CY41_2_UWWTP	Larnaca - Phase B´	33,628389	34,8644444	65.000	0	-	-	-	-	-	-	-	31-12-2012	-	-	31-12-2012	NA
37	Meneou	CY41_2_UWWTP	Larnaca - Phase B´	33,628389	34,8644444	65.000	0	-	-	-	-	-	-	-	31-12-2011	31-12-2011	-	31-12-2011	NA
38	Voroklini Center	CY41_2_UWWTP	Larnaca - Phase B´	33,628389	34,8644444	65.000	0	-	-	-	-	-	-	-	31-12-2012	-	-	31-12-2012	NA
	Famagusta District																		
39	Avgorou	CY404_UWWTP	Ormideia	33,805156	34,998877	35.000	0	-	-	-	-	-	-	-	31-12-2012	31-12-2012	31-12-2012	31-12-2012	NA
40	Sotira	CY31_2_UWWTP	Paralimni /Ay. Napa -B´	34,040972	34,990972	52.000	-	-	2	3-N	3-P	3-other	-	-	-	-	-	-	SA
41	Liopetri	CY31_2_UWWTP	Paralimni /Ay. Napa -B´	34,040972	34,990972	52.000	-	-	2	3-N	3-P	3-other	-	-	-	-	-	-	SA
42	Phrenaros	CY31_2_UWWTP	Paralimni /Ay. Napa -B´	34,040972	34,990972	52.000	-	-	2	3-N	3-P	3-other	-	-	-	-	-	-	SA
43	Achna	CY404_UWWTP	Ormideia	33,805156	34,998877	35.000	0	-	-	-	-	-	-	-	31-12-2012	31-12-2012	31-12-2012	31-12-2012	NA
44	Derynia	CY31_2_UWWTP	Paralimni /Ay. Napa -B´	34,040972	34,990972	52.000	-	-	2	3-N	3-P	3-other	-	-	-	-	-	-	SA
	Paphos District																		
45	Polis Chrysochous	CY601_UWWTP	Polis	-	-	12.000	0	-	-	-	-	-	-	-	31-12-2012	-	-	31-12-2012	NA
46	Peyia	CY602_UWWTP	Peyia	-	-	15.000	0	-	-	-	-	-	-	-	31-12-2012	-	-	31-12-2012	NA
47	Emba	CY61_2_UWWTP	Paphos - Phase B´	32,459722	34,727222	70.600	0	-	-	-	-	-	-	-	31-12-2011	31-12-2011	-	31-12-2011	NA
48	Chlorakas	CY61_2_UWWTP	Paphos - Phase B´	32,459722	34,727222	70.600	0	-	-	-	-	-	-	-	31-12-2011	31-12-2011	-	31-12-2011	NA
49	Kissonerga	CY61_2_UWWTP	Paphos - Phase B´	32,459722	34,727222	70.600	0	-	-	-	-	-	-	-	31-12-2011	31-12-2011	-	31-12-2011	NA
50	Tala	CY61_2_UWWTP	Paphos - Phase B´	32,459722	34,727222	70.600	0	-	-	-	-	-	-	-	31-12-2011	31-12-2011	-	31-12-2011	NA

Model Table 1-4: Inventory, status and forecasts for Discharge Points

4. Discharge Point							
No.	Name of agglomeration	ID-UWWTP (1)	Name of UWWTP	Name of the discharge point	ID of the discharge point	Coordinates	
						Longitude (degrees)	Latitude (degrees)
A	**Urban Agglomerations**						
1	Nicosia	CY11_1_UWWTP	Mia Milia	Pediaios River	CY_6-1-4_R3	33,437026	35,192759
		CY11_2_UWWTP	Anthoupolis - A´	-	-	-	-
		CY11_3_WWTP	Central Vathia Gonia	Land Irrigation	N/A	33,457626	35,049058
				Land Irrigation	N/A	33,435994	35,101027
		CY11_4_UWWTP	Anthoupolis - B´	Land Irrigation	N/A	-	-
		CY11_5_UWWTP	Vathia Gonia - A´	-	-	-	-
2	Limassol	CY51_1_UWWTP	Limassol -Phase A´	Polemidia Dam	CY_9-4-41_R3-HM	32,989566	34,718603
				Coastal water body	CY_16-C2	33,211078	34,706744
				Land Irrigation	N/A	33,226561	34,714231
				Land Irrigation	N/A	32,963741	34,680441
				Land Irrigation	N/A	33,084871	34,693238
				Land Irrigation	N/A	33,168451	34,750374
		CY51_2_UWWTP	Limassol -Phase B´	-	-	-	-
3	Ayia Phyla	CY51_2_UWWTP	Limassol -Phase B´	-	-	-	-
4	Larnaca	CY41_1_UWWTP	Larnaca -Phase A´	Land Irrigation	N/A	33,579661	34,894508
				Land Irrigation	N/A	33,699711	34,980028
		CY41_2_UWWTP	Larnaca - Phase B´	-	-	-	-
5	Paphos	CY61_1_UWWTP	Paphos - Phase A´	Ezousa Aquifer	Otained from our Hydrology Division		
		CY61_2_UWWTP	Paphos - Phase B´	-	-	-	-

Model Table 1-4: Inventory, status and forecasts for Discharge Points

4. Discharge Point							
No.	Name of agglomeration	ID-UWWTP (1)	Name of UWWTP	Name of the discharge point	ID of the discharge point	Coordinates	
						Longitude (degrees)	Latitude (degrees)
6	Ayia Napa	CY31_1_UWWTP	Paralimni /Ay. Napa -A´	Land Irrigation	N/A	34,037417	34,976280
				Land Irrigation	N/A	33,954205	34,984376
		CY31_2_UWWTP	Paralimni /Ay. Napa -B´	Land Irrigation	N/A	34,037417	34,976280
				Land Irrigation	N/A	33,954205	34,984376
7	Paralimni	CY31_1_UWWTP	Paralimni /Ay. Napa -A´	Land Irrigation	N/A	34,003841	35,057824
				Land Irrigation	N/A	33,973173	35,028455
		CY31_2_UWWTP	Paralimni /Ay. Napa -B´	Land Irrigation	N/A	34,003841	35,057824
				Land Irrigation	N/A	33,973173	35,028455

Model Table 1-4: Inventory, status and forecasts for Discharge Points

4. Discharge Point							
No.	Name of agglomeration	ID-UWWTP (1)	Name of UWWTP	Name of the discharge point	ID of the discharge point	Coordinates	
						Longitude (degrees)	Latitude (degrees)
B	**Rural Agglomerations**						
	Nicosia District						
1	Peristerona	CY101_UWWTP	Astromeritis	-	-	-	-
2	Astromeritis	CY101_UWWTP	Astromeritis	-	-	-	-
3	Akaki	CY101_UWWTP	Astromeritis	-	-	-	-
4	Lythrodontas	CY102_UWWTP	Lythrodontas	-	-	-	-
5	Paliometocho	CY11_4_UWWTP	Anthoupolis B´	-	-	-	-
6	Kokkinotremithia	CY11_4_UWWTP	Anthoupolis B´	-	-	-	-
7	Dhali	CY103_UWWTP	Dhali	Land irrigation	N/A	33,418791	35,031873
8	Pera Chorio Nisou	CY103_UWWTP	Dhali	Land irrigation	N/A	33,418791	35,031873
9	Lympia	CY11_5_UWWTP	Vathia Gonia A´	-	-	-	-
10	Kakopetria	CY104_UWWTP	Kakopetria	Land irrigation	N/A	32,916266	35,071855
		CY105_UWWTP	Solea	-	-	-	-
11	Tseri	CY11_4_UWWTP	Anthoupolis B´	-	-	-	-
12	Yeri	CY11_5_UWWTP	Vathia Gonia A´	-	-	-	-
	Limassol District						
13	Kyperounda	CY501_UWWTP	Kyperounda	Land irrigation	N/A	32,981017	34,933762
14	Platres	CY502_UWWTP	Platres	Land irrigation	N/A	32,861282	34,877345
15	Agros	CY503_UWWTP	Agros	Land irrigation	N/A	33,018866	34,912012
16	Pelendri	CY504_UWWTP	Pelendri	Land irrigation	N/A	32,969209	34,889844
17	Ypsonas	CY505_UWWTP	Episkopi	-	-	-	-
18	Kolossi	CY505_UWWTP	Episkopi	-	-	-	-
19	Episkopi	CY505_UWWTP	Episkopi	-	-	-	-

Model Table 1-4: Inventory, status and forecasts for Discharge Points

4. Discharge Point							
No.	Name of agglomeration	ID-UWWTP (1)	Name of UWWTP	Name of the discharge point	ID of the discharge point	Coordinates	
						Longitude (degrees)	Latitude (degrees)
20	Trachoni	CY505_UWWTP	Episkopi	-	-	-	-
21	Pissouri	CY506_UWWTP	Pissouri	-	-	-	-
22	Pano Polemidia	CY51_2_UWWTP	Limassol -Phase B´	-	-	-	-
23	Ayios Tychonas Center	CY51_2_UWWTP	Limassol -Phase B´	-	-	-	-
24	Mouttagiaka Center	CY51_2_UWWTP	Limassol -Phase B´	-	-	-	-
25	Parekklisia Center	CY51_2_UWWTP	Limassol -Phase B´	-	-	-	-
26	Pyrgos Center	CY51_2_UWWTP	Limassol -Phase B´	-	-	-	-
	Larnaca District						
-	Lefkara	-	-	-	-	-	-
27	Aradippou	CY401_UWWTP	Aradippou	-	-	-	-
28	Kiti	CY41_2_UWWTP	Larnaca - Phase B´	-	-	-	-
29	Pervolia	CY41_2_UWWTP	Larnaca - Phase B´	-	-	-	-
30	Dromolaxia	CY41_2_UWWTP	Larnaca - Phase B´	-	-	-	-
31	Livadia Center	CY402_UWWTP	Livadia Refugee Camp	Land irrigation	N/A	33,613664	34,960125
		CY41_2_UWWTP	Larnaca -Phase B´	-	-	-	-
32	Athienou	CY403_UWWTP	Athienou	-	-	-	-
33	Ormideia	CY404_UWWTP	Ormideia	-	-	-	-
34	Xylotymvou	CY404_UWWTP	Ormideia	-	-	-	-
35	Xylophagou	CY404_UWWTP	Ormideia	-	-	-	-
36	Pyla Center	CY41_2_UWWTP	Larnaca - Phase B´	-	-	-	-
37	Meneou	CY41_2_UWWTP	Larnaca - Phase B´	-	-	-	-
38	Voroklini Center	CY41_2_UWWTP	Larnaca - Phase B´	-	-	-	-

Model Table 1-4: Inventory, status and forecasts for Discharge Points

4. Discharge Point							
No.	Name of agglomeration	ID-UWWTP [1]	Name of UWWTP	Name of the discharge point	ID of the discharge point	Coordinates	
						Longitude (degrees)	Latitude (degrees)
	Famagusta District						
39	Avgorou	CY404_UWWTP	Ormideia	-	-	-	-
40	Sotira	CY31_2_UWWTP	Paralimni /Ay. Napa -B´	-	-	-	-
41	Liopetri	CY31_2_UWWTP	Paralimni /Ay. Napa -B´	-	-	-	-
42	Phrenaros	CY31_2_UWWTP	Paralimni /Ay. Napa -B´	-	-	-	-
43	Achna	CY404_UWWTP	Ormideia	-	-	-	-
44	Derynia	CY31_2_UWWTP	Paralimni /Ay. Napa -B´	-	-	-	-
	Paphos District						
45	Polis Chrysochous	CY601_UWWTP	Polis	-	-	-	-
46	Peyia	CY602_UWWTP	Peyia	-	-	-	-
47	Emba	CY61_2_UWWTP	Paphos - Phase B´	-	-	-	-
48	Chlorakas	CY61_2_UWWTP	Paphos - Phase B´	-	-	-	-
49	Kissonerga	CY61_2_UWWTP	Paphos - Phase B´	-	-	-	-
50	Tala	CY61_2_UWWTP	Paphos - Phase B´	-	-	-	-

Note:

1. N/A* = Not Applicable

Model Table 1-5: Inventory, status and forecasts for Sludge Production

No.	Name of agglomeration	5. Sludge												
		Status as at 30/06/2008							Forecasts by the end of the last transitional period					
		Sludge generated	Sludge treated	Sludge re-used		Sludge disposed			Sludge generated	Sludge re-used		Sludge disposed		
				soil and agriculture	other	landfill	Incineration	others		soil and agriculture	other	landfill	Incineration	others
		tDS/yr	tDS/yr	tDS/yr	tDS/yr	tDS/yr	tDS/yr	tDS/yr	tDS/yr	tDS/yr	tDS/yr	tDS/yr	tDS/yr	tDS/yr
	Urban Agglomerations													
1	Nicosia (2)	0 (1)	0	-	-	-	-	-	3.700	3.700	-	-	-	-
		4.640	4.640	4.640	-	-	-	-	4.640	4.640	-	-	-	-
2	Limassol	2.200	2.200	1.350	-	-	200	650	2.600	1.600	-	-	1.000	-
3	Ayia Phyla	-	-	-	-	-	-	-	850	850	-	-	-	-
4	Larnaca	780	780	780	-	-	-	-	2.000	2.000	-	-	-	-
5	Paphos	1.150	1.150	1.150	-	-	-	-	3.000	2.500	-	-	500	-
6	Ayia Napa }	800	800	800	-	-	-	-	1.100	1.100	-	-	-	-
7	Paralimni }	-	-	-	-	-	-	-	-	-	-	-	-	-
7	**TOTAL URBAN**	**9.570**	**9.570**	8.720	0	0	200	650	**17.890**	16.390	0	0	1.500	0

Model Table 1-5: Inventory, status and forecasts for Sludge Production

No.	Name of agglomeration	5. Sludge												
		Status as at 30/06/2008							Forecasts by the end of the last transitional period					
		Sludge generated	Sludge treated	Sludge re-used		Sludge disposed			Sludge generated	Sludge re-used		Sludge disposed		
				soil and agriculture	other	landfill	Incineration	others		soil and agriculture	other	landfill	Incineration	others
		tDS/yr	tDS/yr	tDS/yr	tDS/yr	tDS/yr	tDS/yr	tDS/yr	tDS/yr	tDS/yr	tDS/yr	tDS/yr	tDS/yr	tDS/yr
	Rural Agglomerations													
	Nicosia District													
1	Peristerona	-	-	-	-	-	-	-	35	35	-	-	-	-
2	Astromeritis	-	-	-	-	-	-	-	36	36	-	-	-	-
3	Akaki	-	-	-	-	-	-	-	45	45	-	-	-	-
4	Lythrodontas	-	-	-	-	-	-	-	52	52	-	-	-	-
5	Paliometocho	-	-	-	-	-	-	-	70	70	-	-	-	-
6	Kokkinotremithia	-	-	-	-	-	-	-	52	52	-	-	-	-
7	Dhali]	50	50	50	-	-	-	-	104	104	-	-	-	-
8	Pera Chorio Nisou (3)]	-	-	-	-	-	-	-	60	60	-	-	-	-
9	Lympia	-	-	-	-	-	-	-	35	35	-	-	-	-
10	Kakopetria	18	18	18	-	-	-	-	19	19	-	-	-	-
11	Tseri	-	-	-	-	-	-	-	92	92	-	-	-	-
12	Yeri	-	-	-	-	-	-	-	115	115	-	-	-	-

Notes :

(1) From Nicosia exisiting UWWTP´s there is no production of sludge since their process accumulates the sludge at the bottom of the lagoons.

(2) This sludge is derived only from the Central Vathia Gonia WWTP

(3) The sludge produced from the common UWWTP for Dhali and Pera Chorio is reported under Dhali

Model Table 1-5: Inventory, status and forecasts for Sludge Production

No.	Name of agglomeration	5. Sludge												
		Status as at 30/06/2008							Forecasts by the end of the last transitional period					
		Sludge generated	Sludge treated	Sludge re-used		Sludge disposed			Sludge generated	Sludge re-used		Sludge disposed		
				soil and agriculture	other	landfill	Incineration	others		soil and agriculture	other	landfill	Incineration	others
		tDS/yr	tDS/yr	tDS/yr	tDS/yr	tDS/yr	tDS/yr	tDS/yr	tDS/yr	tDS/yr	tDS/yr	tDS/yr	tDS/yr	tDS/yr
	Limassol District													
13	Kyperounda	20	20	20	-	-	-	-	22	22	-	-	-	-
14	Platres	15	15	15	-	-	-	-	15	15	-	-	-	-
15	Agros	18	18	18	-	-	-	-	18	18	-	-	-	-
16	Pelendri	35	35	35	-	-	-	-	35	35	-	-	-	-
17	Ypsonas	-	-	-	-	-	-	-	120	120	-	-	-	-
18	Kolossi	-	-	-	-	-	-	-	67	67	-	-	-	-
19	Episkopi	-	-	-	-	-	-	-	52	52	-	-	-	-
20	Trachoni	-	-	-	-	-	-	-	52	52	-	-	-	-
21	Pissouri	-	-	-	-	-	-	-	45	45	-	-	-	-
22	Pano Polemidia	-	-	-	-	-	-	-	58	58	-	-	-	-
23	Ayios Tychonas Center	-	-	-	-	-	-	-	104	104	-	-	-	-
24	Mouttagiaka Center	-	-	-	-	-	-	-	55	55	-	-	-	-
25	Parekklisia Center	-	-	-	-	-	-	-	38	38	-	-	-	-
26	Pyrgos Center	-	-	-	-	-	-	-	35	35	-	-	-	-
	Larnaca District													
-	Lefkara	-	-	-	-	-	-	-	-	-	-	-	-	-
27	Aradippou	-	-	-	-	-	-	-	158	158	-	-	-	-
28	Kiti	-	-	-	-	-	-	-	61	61	-	-	-	-
29	Pervolia	-	-	-	-	-	-	-	76	76	-	-	-	-
30	Dromolaxia	-	-	-	-	-	-	-	80	80	-	-	-	-
31	Livadia Center	30	30	30	-	-	-	-	52	52	-	-	-	-
32	Athienou	-	-	-	-	-	-	-	69	69	-	-	-	-
33	Ormideia	-	-	-	-	-	-	-	64	64	-	-	-	-
34	Xylotymvou	-	-	-	-	-	-	-	57	57	-	-	-	-
35	Xylophagou	-	-	-	-	-	-	-	84	84	-	-	-	-
36	Pyla Center	-	-	-	-	-	-	-	42	42	-	-	-	-
37	Meneou	-	-	-	-	-	-	-	35	35	-	-	-	-
38	Voroklini Center	-	-	-	-	-	-	-	130	130	-	-	-	-

Model Table 1-5: Inventory, status and forecasts for Sludge Production

No.	Name of agglomeration	5. Sludge												
		Status as at 30/06/2008							Forecasts by the end of the last transitional period					
		Sludge generated	Sludge treated	Sludge re-used		Sludge disposed			Sludge generated	Sludge re-used		Sludge disposed		
				soil and agriculture	other	landfill	Incineration	others		soil and agriculture	other	landfill	Incineration	others
		tDS/yr	tDS/yr	tDS/yr	tDS/yr	tDS/yr	tDS/yr	tDS/yr	tDS/yr	tDS/yr	tDS/yr	tDS/yr	tDS/yr	tDS/yr
	Famagusta District													
39	Avgorou	-	-	-	-	-	-	-	70	70	-	-	-	-
40	Sotira	-	-	-	-	-	-	-	85	85	-	-	-	-
41	Liopetri	-	-	-	-	-	-	-	69	69	-	-	-	-
42	Phrenaros	-	-	-	-	-	-	-	52	52	-	-	-	-
43	Achna	-	-	-	-	-	-	-	36	36	-	-	-	-
44	Derynia	-	-	-	-	-	-	-	104	104	-	-	-	-
	Paphos District													
45	Polis Chrysochous	-	-	-	-	-	-	-	83	83	-	-	-	-
46	Peyia	-	-	-	-	-	-	-	115	115	-	-	-	-
47	Emba	-	-	-	-	-	-	-	55	55	-	-	-	-
48	Chlorakas	-	-	-	-	-	-	-	119	119	-	-	-	-
49	Kissonerga	-	-	-	-	-	-	-	52	52	-	-	-	-
50	Tala	-	-	-	-	-	-	-	76	76	-	-	-	-
50	**TOTAL RURAL**	**186**	186	186	0	0	0	0	**3.255**	3.255	0	0	0	0
57	**GRAND TOTAL DIRECTIVE**	**9.756**	**9.756**	8.906	0	0	200	650	**21.145**	19.645	0	0	1.500	0

Model Table 1-6: Inventory, status and forecasts for Investments

No.	Name of agglomeration	6. Investments								
		Name of EU fund planned to use	Date for project application	Project duration forecast	Completion date of the project	Capitals Investments planned for				Total capital Investments spent as at **30-06-2008**
						collecting system (Art.3)	treatment facilities (Art.4 & 5)	sludge treatment & disposal	Total	
			dd/mm/yy	(dd/mm/yy-dd/mm/yy)	dd/mm/yy	in M EUR	in M EUR	in M EUR	in M EUR	in M EUR
	Urban Agglomerations									
1	Nicosia	EIB	-	-	-	33,02	24,95	-	57,97	113,00
2	Limassol	EIB	-	-	-	20,54	0,30	0,28	21,12	157,50
3	Ayia Phyla	EIB	-	-	-	82,16	1,20	1,12	84,48	-
4	Larnaca	EIB	-	-	-	46,60	28,60	4,70	79,90	60,50
5	Paphos	EIB	-	-	-	20,50	13,50	7,04	41,04	52,50
6	Ayia Napa	-	-	-	-	0,60	-	-	0,60	31,00
7	Paralimni	-	-	-	-	0,50	-	-	0,50	43,00
7	**TOTAL FOR URBAN**					**203,92**	**68,55**	**13,14**	**285,61**	**457,50**

Model Table 1-6: Inventory, status and forecasts for Investments

No.	Name of agglomeration	6. Investments								
		Name of EU fund planned to use	Date for project application	Project duration forecast	Completion date of the project	Capitals Investments planned for				Total capital Investments spent as at **30-06-2008**
						collecting system (Art.3)	treatment facilities (Art.4 & 5)	sludge treatment & disposal	Total	
			dd/mm/yy	(dd/mm/yy-dd/mm/yy)	dd/mm/yy	in M EUR	in M EUR	in M EUR	in M EUR	in M EUR
	Rural Agglomerations									
	Nicosia District									
1	Peristerona	Cohesion Fund 2007-2013				2,99	1,50	0,15	4,64	-
2	Astromeritis					3,29	1,81	0,18	5,28	-
3	Akaki					4,50	2,45	0,25	7,20	-
4	Lythrodontas	-	-	-	-	1,30	0,48	0,05	1,82	1,83
5	Paliometocho	-	-	-	-	6,18	3,11	0,31	9,60	-
6	Kokkinotremithia	-	-	-	-	6,98	2,46	0,25	9,68	-
7	Dhali	-	-	-	-	5,11	4,34	0,43	9,88	1,88
8	Pera Chorio Nisou	-	-	-	-	2,69	2,56	0,26	5,51	1,38
9	Lympia	-	-	-	-	4,85	1,03	0,10	5,98	-
10	Kakopetria	-	-	-	-	5,84	0,94	0,09	6,87	1,50
11	Tseri	-	-	-	-	13,08	4,66	0,47	18,20	-
12	Yeri	-	-	-	-	15,21	6,68	0,67	22,56	-

Model Table 1-6: Inventory, status and forecasts for Investments

No.	Name of agglomeration	6. Investments								
		Name of EU fund planned to use	Date for project application	Project duration forecast	Completion date of the project	Capitals Investments planned for				Total capital Investments spent as at **30-06-2008**
						collecting system (Art.3)	treatment facilities (Art.4 & 5)	sludge treatment & disposal	Total	
			dd/mm/yy	(dd/mm/yy-dd/mm/yy)	dd/mm/yy	in M EUR	in M EUR	in M EUR	in M EUR	in M EUR
	Limassol District									
13	Kyperounda	-	-	-	-	-	-	-	-	5,16
14	Platres	-	-	-	-	-	-	-	-	1,59
15	Agros	-	-	-	-	-	-	-	-	2,11
16	Pelendri	-	-	-	-	-	-	-	-	3,45
17	Ypsonas	-	-	-	-	16,35	5,83	0,58	22,76	-
18	Kolossi	-	-	-	-	7,31	3,29	0,33	10,93	-
19	Episkopi	-	-	-	-	6,78	2,21	0,22	9,21	-
20	Trachoni	-	-	-	-	5,16	2,79	0,28	8,23	-
21	Pissouri	-	-	-	-	5,98	2,11	0,21	8,30	-
22	Pano Polemidia	-	-	-	-	4,88	2,71	0,27	7,86	-
23	Ayios Tychonas Center	-	-	-	-	14,30	5,10	0,51	19,91	-
24	Mouttagiaka Center	-	-	-	-	4,89	1,94	0,19	7,02	-
25	Parekklisia Center	-	-	-	-	3,60	1,96	0,20	5,76	-
26	Pyrgos Center	-	-	-	-	3,04	2,46	0,25	5,75	-

Model Table 1-6: Inventory, status and forecasts for Investments

No.	Name of agglomeration	6. Investments								
		Name of EU fund planned to use	Date for project application	Project duration forecast	Completion date of the project	Capitals Investments planned for				Total capital Investments spent as at **30-06-2008**
						collecting system (Art.3)	treatment facilities (Art.4 & 5)	sludge treatment & disposal	Total	
			dd/mm/yy	(dd/mm/yy-dd/mm/yy)	dd/mm/yy	in M EUR	in M EUR	in M EUR	in M EUR	in M EUR
	Larnaca District									
-	Lefkara	-	-	-	-	-	-	-	-	-
27	Aradippou	-	-	-	-	28,28	15,01	1,50	44,79	-
28	Kiti	-	-	-	-	10,01	6,01	0,60	16,63	-
29	Pervolia	-	-	-	-	8,79	13,88	1,39	24,05	-
30	Dromolaxia	-	-	-	-	6,98	7,75	0,78	15,50	-
31	Livadia Center	-	-	-	-	7,14	4,23	0,42	11,79	2,95
32	Athienou	-	-	-	-	6,66	3,05	0,31	10,02	-
33	Ormideia	-	-	-	-	5,40	2,14	0,21	7,75	-
34	Xylotymvou	-	-	-	-	5,40	1,95	0,20	7,55	-
35	Xylophagou	-	-	-	-	7,14	2,80	0,28	10,22	-
36	Pyla Center	-	-	-	-	4,96	2,11	0,21	7,29	-
37	Meneou	-	-	-	-	3,09	3,43	0,34	6,86	-
38	Voroklini Ccenter	-	-	-	-	19,44	10,33	1,03	30,80	-
	Famagusta District									
39	Avgorou	-	-	-	-	5,73	3,19	0,32	9,23	-
40	Sotira	-	-	-	-	8,56	4,51	0,45	13,53	-
41	Liopetri	-	-	-	-	6,51	2,88	0,29	9,68	-
42	Phrenaros	-	-	-	-	3,79	1,63	0,16	5,58	-
43	Achna	-	-	-	-	4,18	1,55	0,16	5,88	-
44	Derynia	-	-	-	-	11,56	5,78	0,58	17,92	-

Model Table 1-6: Inventory, status and forecasts for Investments

No.	Name of agglomeration	6. Investments								
		Name of EU fund planned to use	Date for project application	Project duration forecast	Completion date of the project	Capitals Investments planned for				Total capital Investments spent as at **30-06-2008**
						collecting system (Art.3)	treatment facilities (Art.4 & 5)	sludge treatment & disposal	Total	
			dd/mm/yy	(dd/mm/yy-dd/mm/yy)	dd/mm/yy	in M EUR	in M EUR	in M EUR	in M EUR	in M EUR
	Paphos District									
45	Polis Chrysochous	-	-	-	-	7,96	9,78	0,98	18,72	-
46	Peyia	-	-	-	-	13,00	15,00	1,50	29,50	-
47	Emba	-	-	-	-	8,71	4,59	0,46	13,76	-
48	Chlorakas	-	-	-	-	17,68	9,39	0,94	28,00	-
49	Kissonerga	-	-	-	-	6,30	2,49	0,25	9,04	-
50	Tala	-	-	-	-	7,88	7,46	0,75	16,08	-
50	**TOTAL FOR RURAL**					**359,40**	**203,31**	**20,33**	**583,04**	**21,84**
57	**GRAND TOTAL FOR DIRECTIVE**					**563,32**	**271,86**	**33,47**	**868,65**	**479,34**

APPENDIX 4

Map
for NIP-2008

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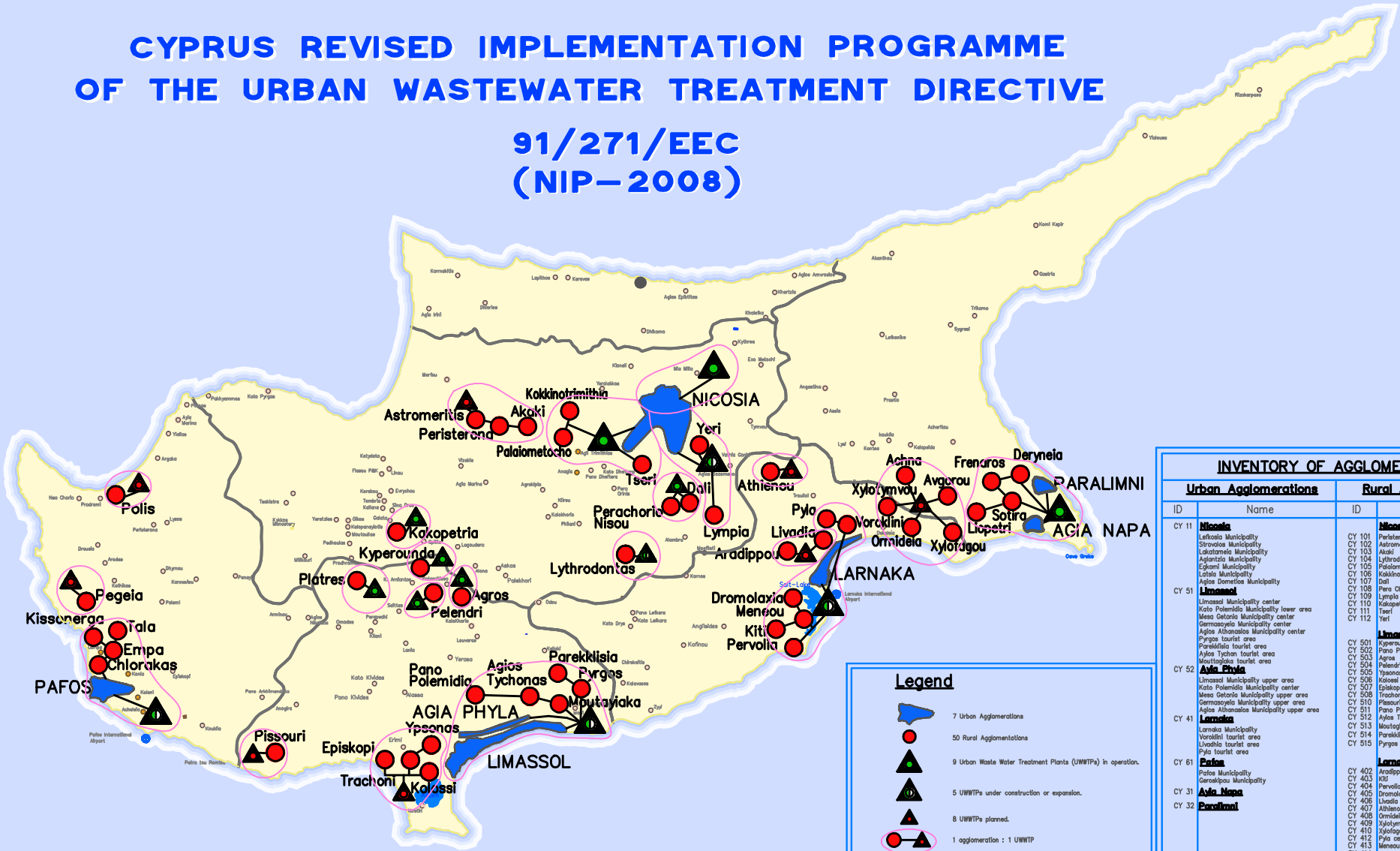
CYPRUS REVISED IMPLEMENTATION PROGRAMME OF THE URBAN WASTEWATER TREATMENT DIRECTIVE

91/271/EEC (NIP–2008)



Legend

- 7 Urban Agglomerations
- 50 Rural Agglomerations
- 9 Urban Waste Water Treatment Plants (UWWTPs) in operation.
- 5 UWWTPs under construction or expansion.
- 8 UWWTPs planned.
- 1 agglomeration : 1 UWWTP
- n agglomerations : 1 UWWTP
- 1 agglomeration : n UWWTPs

INVENTORY OF AGGLOMERATIONS

Urban Agglomerations		Rural Agglomerations	
ID	Name	ID	Name
CY 11	**Nicosia**		**Nicosia District**
	Lefkosia Municipality	CY 101	Peristerona
	Strovolos Municipality	CY 102	Astromeritis
	Lakatameia Municipality	CY 103	Akaki
	Agiantzia Municipality	CY 104	Lythrodontas
	Egkomi Municipality	CY 105	Palaiometocho
	Latsia Municipality	CY 106	Kokkinotrimithia
	Agios Dometios Municipality	CY 107	Dali
CY 51	**Limassol**	CY 108	Pera Chorio Nisou
	Limassol Municipality center	CY 109	Lympia
	Kato Polemidia Municipality lower area	CY 110	Kakopetria
	Mesa Geitonia Municipality center	CY 111	Tseri
	Germasoyeia Municipality center	CY 112	Yeri
	Agios Athanasios Municipality center		
	Pyrgos tourist area		**Limassol District**
	Parekklisia tourist area	CY 501	Kyperounta
	Ayios Tychon tourist area	CY 502	Pano Platres
	Mouttagiaka tourist area	CY 503	Agros
CY 52	**Ayia Phyla**	CY 504	Pelendri
	Limassol Municipality upper area	CY 505	Ypsonas
	Kato Polemidia Municipality center	CY 506	Kalosesi
	Mesa Geitonia Municipality upper area	CY 507	Episkopi
	Germasoyeia Municipality upper area	CY 508	Trachoni
	Agios Athanasios Municipality upper area	CY 510	Plesouri
CY 41	**Larnaka**	CY 511	Pano Polemidia
	Larnaka Municipality	CY 512	Ayios Tychonas center
	Voroklini tourist area	CY 513	Mouttagiaka center
	Livadhia tourist area	CY 514	Parekklisia center
	Pyla tourist area	CY 515	Pyrgos center
CY 61	**Pafos**		**Larnaka District**
	Pafos Municipality	CY 402	Aradippou
	Geroskipou Municipality	CY 403	Kiti
CY 31	**Ayia Napa**	CY 404	Pervolia
CY 32	**Paralimni**	CY 405	Dromolaxia
		CY 406	Livadia center
		CY 407	Athienou
		CY 408	Ormideia
		CY 409	Xylotymvou
		CY 410	Xylofagou
		CY 412	Pyla center
		CY 413	Meneou
		CY 414	Voroklini center
			Ammochostos District
		CY 301	Avgorou
		CY 302	Sotira
		CY 303	Liopetri
		CY 304	Frenaros
		CY 305	Achna
		CY 306	Deryneia
			Pafos District
		CY 601	Polis Chrysochous
		CY 602	Pegeia
		CY 603	Emba
		CY 604	Chlorakas
		CY 605	Kissonerga
		CY 606	Tala

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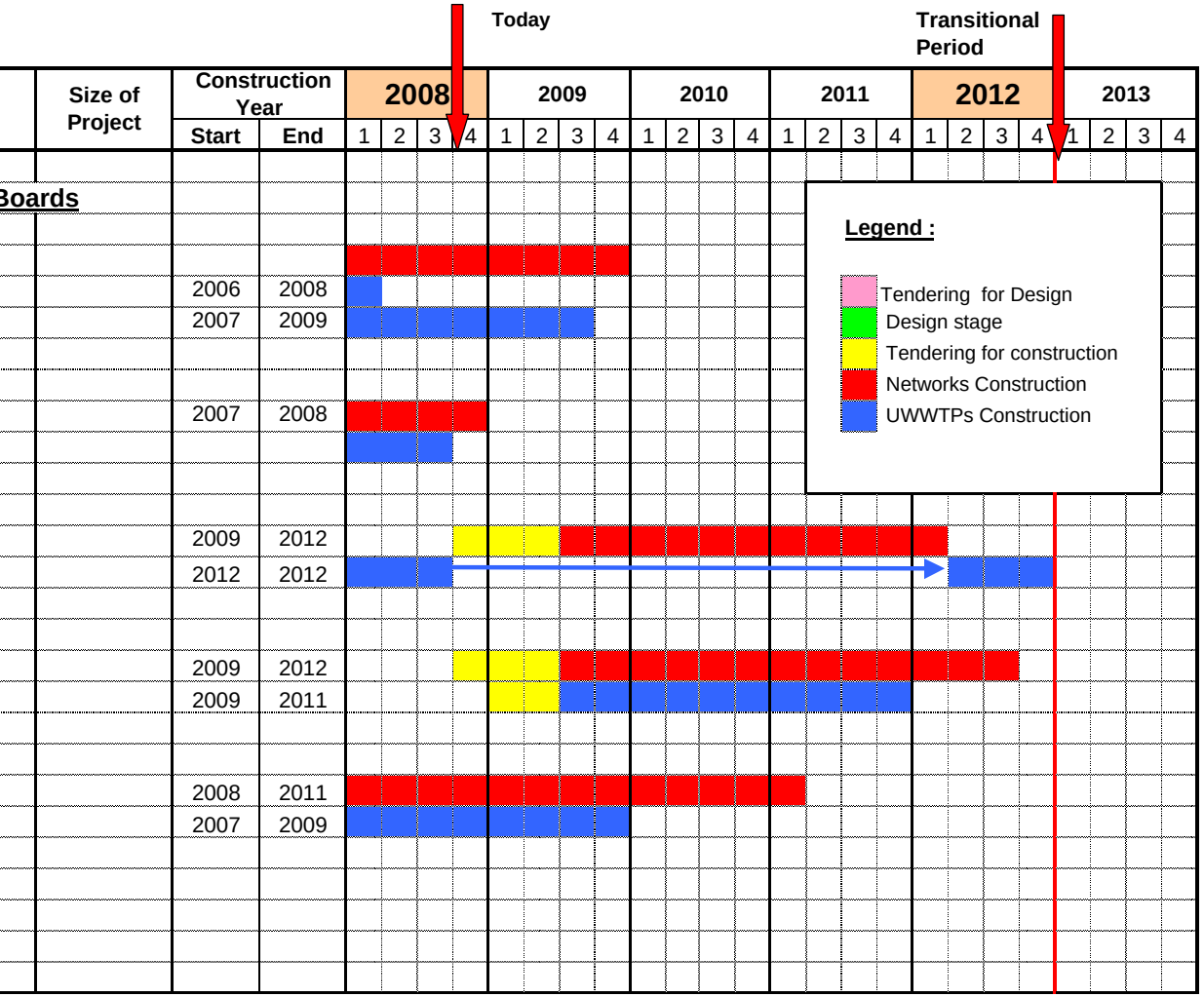
APPENDIX 5

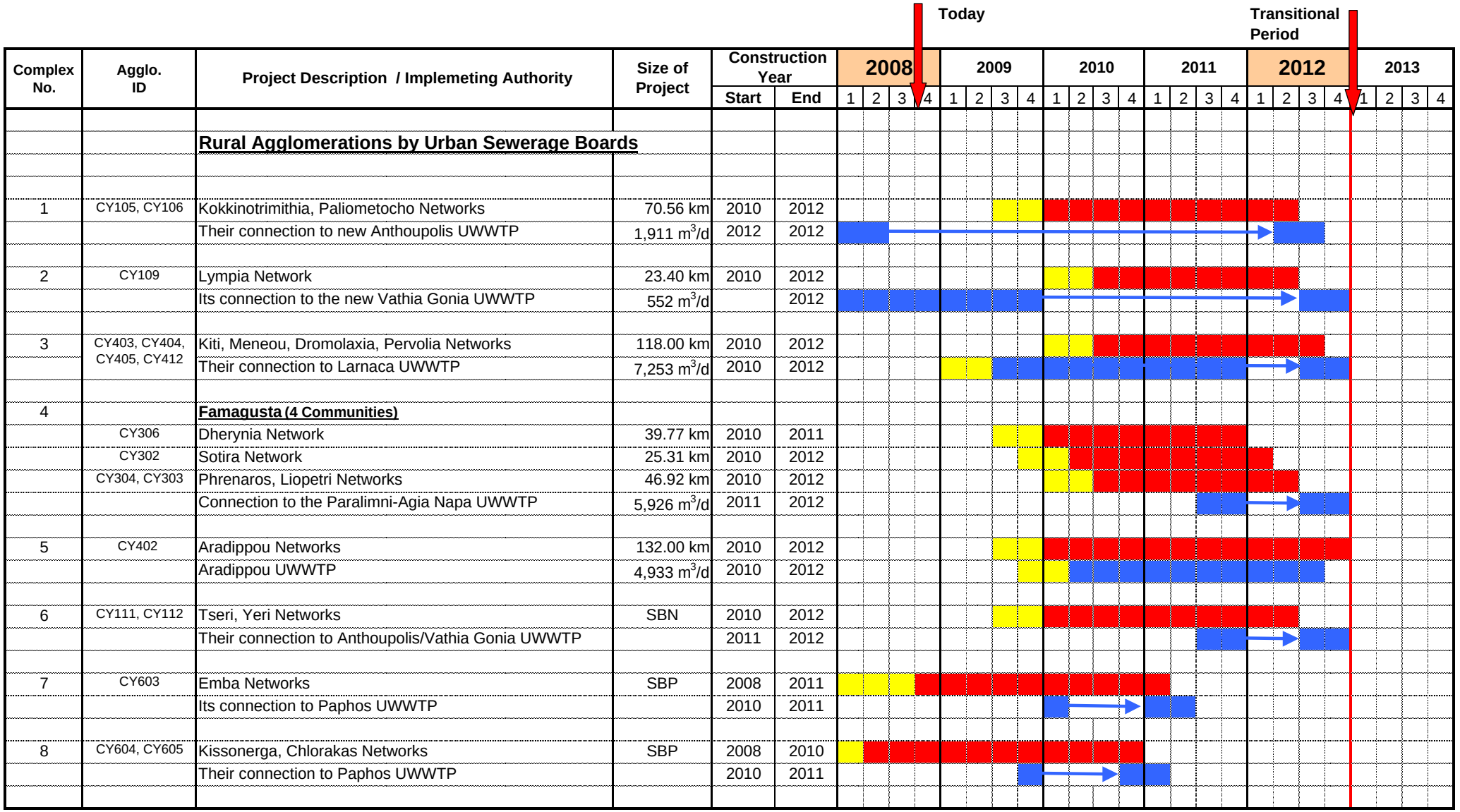
Construction Time-schedule for NIP-2008

CONSTRUCTION TIMESCHEDULE FOR THE NATIONAL IMPLEMETATION PROGRAMME [NIP-2008] OF THE UWWTD

Ref. No.	Agglo. ID	Project Description / Implemeting Authority	Size of Project	Construction Year Start	Construction Year End
		Urban Agglomerations by Urban Sewerage Boards			
1	CY11	Nicosia Networks			
		Anthoupolis B´ UWWTP		2006	2008
		Vathia Gonia B´ UWWTP		2007	2009
2	CY51	Limassol Networks		2007	2008
		Limassol phase B´ UWWTP			
3	CY52	Ayia Phyla Networks		2009	2012
		Its connection to Limassol phase B´ UWWTP		2012	2012
4	CY41	Larnaca Networks		2009	2012
		Larnaca phase B´ UWWTP		2009	2011
5	CY61	Paphos Networks		2008	2011
		Paphos phase B´ UWWTP		2007	2009

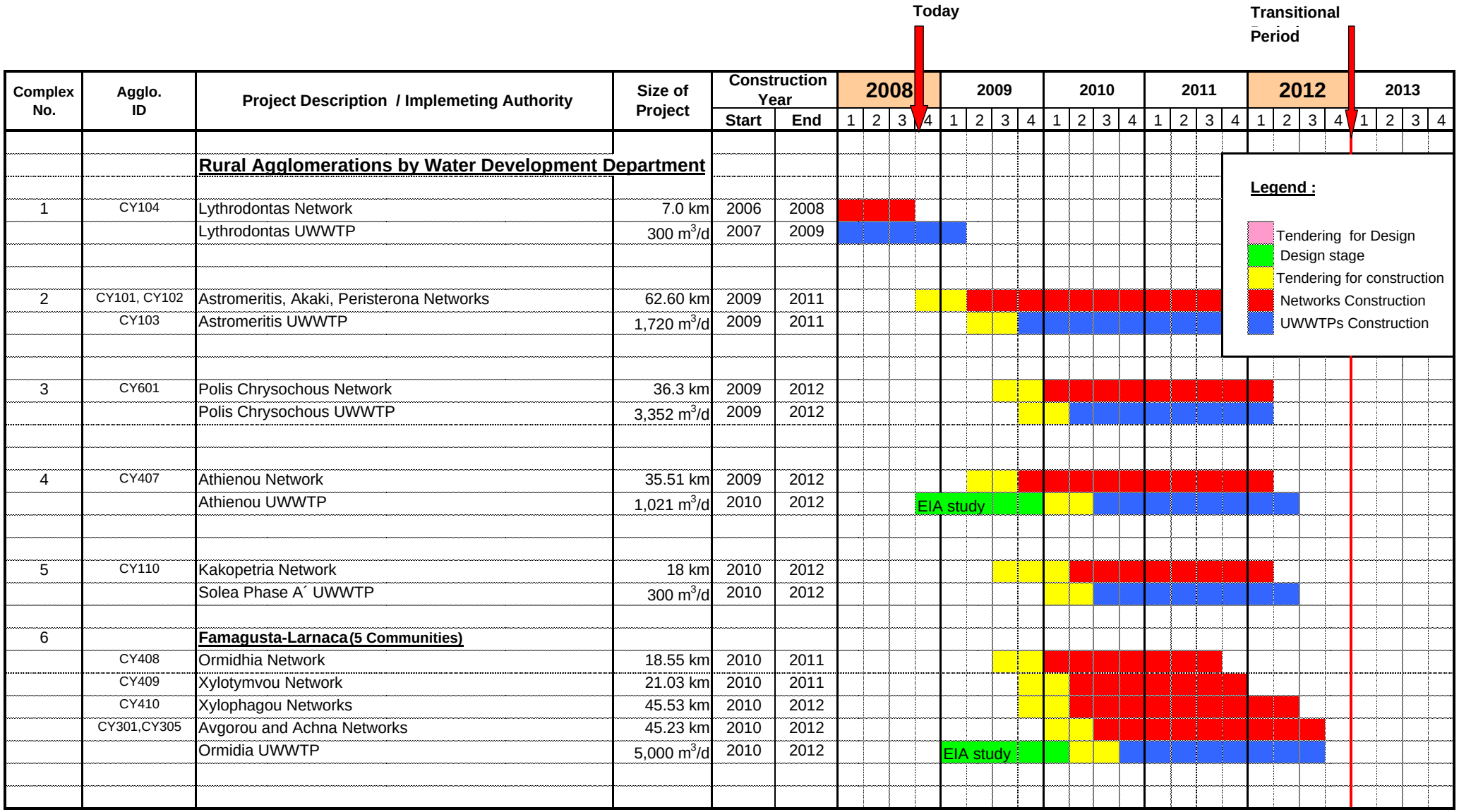


CONSTRUCTION TIMESCHEDULE FOR THE NATIONAL IMPLEMETATION PROGRAMME [NIP-2008] OF THE UWWTD



Complex No.	Agglo. ID	Project Description / Implemeting Authority	Size of Project	Construction Year Start	Construction Year End
		Rural Agglomerations by Urban Sewerage Boards			
1	CY105, CY106	Kokkinotrimithia, Paliometocho Networks	70.56 km	2010	2012
		Their connection to new Anthoupolis UWWTP	1,911 m^3/d	2012	2012
2	CY109	Lympia Network	23.40 km	2010	2012
		Its connection to the new Vathia Gonia UWWTP	552 m^3/d		2012
3	CY403, CY404, CY405, CY412	Kiti, Meneou, Dromolaxia, Pervolia Networks	118.00 km	2010	2012
		Their connection to Larnaca UWWTP	7,253 m^3/d	2010	2012
4		**Famagusta (4 Communities)**			
	CY306	Dherynia Network	39.77 km	2010	2011
	CY302	Sotira Network	25.31 km	2010	2012
	CY304, CY303	Phrenaros, Liopetri Networks	46.92 km	2010	2012
		Connection to the Paralimni-Agia Napa UWWTP	5,926 m^3/d	2011	2012
5	CY402	Aradippou Networks	132.00 km	2010	2012
		Aradippou UWWTP	4,933 m^3/d	2010	2012
6	CY111, CY112	Tseri, Yeri Networks	SBN	2010	2012
		Their connection to Anthoupolis/Vathia Gonia UWWTP		2011	2012
7	CY603	Emba Networks	SBP	2008	2011
		Its connection to Paphos UWWTP		2010	2011
8	CY604, CY605	Kissonerga, Chlorakas Networks	SBP	2008	2010
		Their connection to Paphos UWWTP		2010	2011

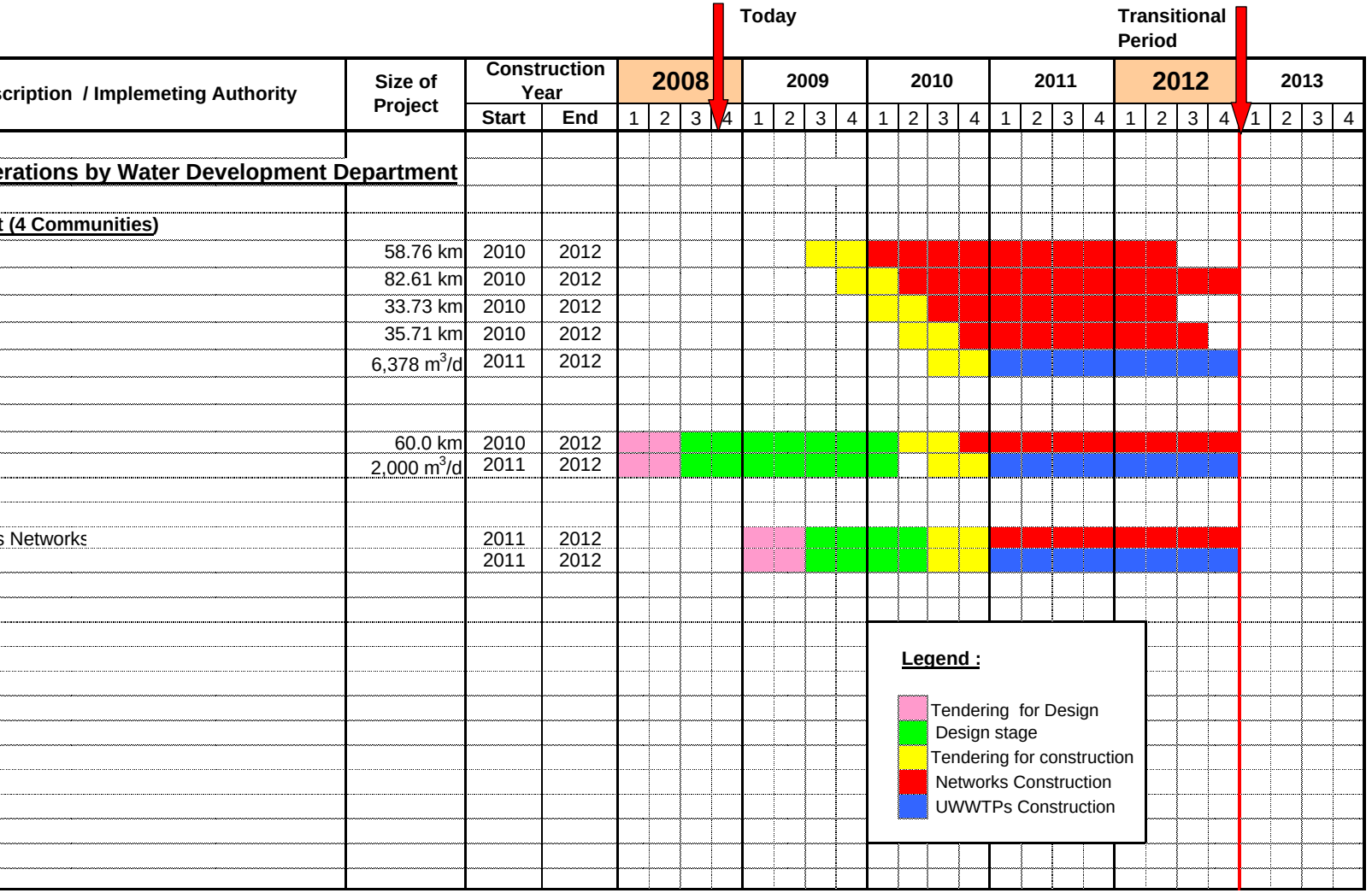
CONSTRUCTION TIMESCHEDULE FOR THE NATIONAL IMPLEMETATION PROGRAMME [NIP-2008] OF THE UWWTD



Complex No.	Agglo. ID	Project Description / Implemeting Authority	Size of Project	Construction Year Start	Construction Year End
		Rural Agglomerations by Water Development Department			
1	CY104	Lythrodontas Network	7.0 km	2006	2008
		Lythrodontas UWWTP	300 m^3/d	2007	2009
2	CY101, CY102	Astromeritis, Akaki, Peristerona Networks	62.60 km	2009	2011
	CY103	Astromeritis UWWTP	1,720 m^3/d	2009	2011
3	CY601	Polis Chrysochous Network	36.3 km	2009	2012
		Polis Chrysochous UWWTP	3,352 m^3/d	2009	2012
4	CY407	Athienou Network	35.51 km	2009	2012
		Athienou UWWTP	1,021 m^3/d	2010	2012
5	CY110	Kakopetria Network	18 km	2010	2012
		Solea Phase A´ UWWTP	300 m^3/d	2010	2012
6		**Famagusta-Larnaca (5 Communities)**			
	CY408	Ormidhia Network	18.55 km	2010	2011
	CY409	Xylotymvou Network	21.03 km	2010	2011
	CY410	Xylophagou Networks	45.53 km	2010	2012
	CY301,CY305	Avgorou and Achna Networks	45.23 km	2010	2012
		Ormidia UWWTP	5,000 m^3/d	2010	2012

CONSTRUCTION TIMESCHEDULE FOR THE NATIONAL IMPLEMETATION PROGRAMME [NIP-2008] OF THE UWWTD

Complex No.	Agglo. ID	Project Description / Implemeting Authority	Size of Project	Construction Year Start	Construction Year End
		Rural Agglomerations by Water Development Department			
7		**Limassol District (4 Communities)**			
	CY507	Episkopi Network	58.76 km	2010	2012
	CY505	Ypsonas Network	82.61 km	2010	2012
	CY508	Trachoni Network	33.73 km	2010	2012
	CY506	Kolossi Network	35.71 km	2010	2012
		Episkopi UWWTP	6,378 m^3/d	2011	2012
8	CY602	Peyia Network	60.0 km	2010	2012
		Peyia UWWTP	2,000 m^3/d	2011	2012
9	CY510	Pissouri & 7 others Networks		2011	2012
		Pissouri UWWTP		2011	2012



APPENDIX 6

Description of current situation per Agglomeration for NIP-2008

Description of Current Situation of the Urban Waste Water Infrastructure per Agglomeration

1.0 Introduction

Since 1984, the policy of the Cyprus Government has been to upgrade the sanitary facilities on the existing infrastructure that in many areas could no longer meet the sanitation needs. The sanitation problem was addressed first in the urban areas and tourist areas and to a lesser extent in the rural areas.

Presently, the Urban areas, that is the 4 major towns, are provided partially with centralized collection systems and treatment facilities , whilst the 2 tourist resorts (Ayia Napa and Paralimni) are provided fully with centralized collection systems and treatment facilities. For the Urban areas there is an on-going programme for the expansion/ upgradation of the systems in the 4 towns and for the newly formed and fast-growing urban agglomeration of Ayia Phyla.

Furthermore, 6 Rural agglomerations with more than 2.000 p.e. are provided fully with centralized collection systems and treatment facilities and there is an on-going programme for the further installation of centralized systems in 48 rural agglomerations.

2.0 Seven (7) Urban Agglomerations (> 15.000 p.e.)

2.1 Nicosia [CY11-Agglo]

Transitional period 31-12-2009

The first phases of the sewerage system, which have been completed prior to the beginning of the Greater Nicosia Sewerage Project in 2000, included the installation of 380km of sewers, 130km of house connections serving a population equivalent of 129.000. The collected wastewater was treated by two wastewater treatment plants, one located at Anthoupolis (west of Nicosia) and the other located at Mia Milia (a community located north-east of Nicosia, in an area that Cyprus Government does not exercise effective control).

In line with the Greater Nicosia Sanitary Sewerage Project, the sewerage system will serve the entire Greater Nicosia area, which by the year 2009 is expected to be in the range of 220.000 p.e. The Greater Nicosia Sanitary Sewerage Project provides for the design and construction of two new Urban Waste Water Treatment Plants (UWWTP), one west and one east of Nicosia, collection system of a total length of 820km and eight main pumping stations, with associate forcemains and main gravity sewers.

The contract for the design, construction, operation and maintenance, of the UWWTP at Anthoupolis (west of Nicosia) to serve a population of 80.000, was awarded in October 2005, its construction commenced in March 2006 and was completed in February 2008.

Tenders were also called in June 2006 for the design, construction, operation and maintenance of Phase 1 for the UWWTP at Vathia Gonia (east of Nicosia) to serve a population of approximately 130.000. The contract for the new Vathia Gonia UWWTP was awarded end of 2006 and the construction commenced in March 2007 and is expected to be completed by mid 2009.

The existing plant at Mia Milia, with capacity of 19.300 m^3/day and which is in operation since the 1980s, will remain in operation. Efforts are also being made for a new bi-communal wastewater treatment plant to be constructed in Mia Milia in the near future, provided that the required financing is secured.

Award of contracts for the collection system and construction are ongoing. Since 2003, 380km of the collection system has been completed. At present another 140km are under construction. The collection system for the Greater Nicosia Sewerage Project is expected to be completed by the end of 2009. The contract for the construction of the pumping stations, forcemains and main gravity sewers has been signed in June 2006 and it is expected to be completed by end of 2008.

2.2 Limassol [CY51-Agglo]

Transitional period 31-12-2008

The first and second phases of the sewerage system, which were completed in 1995 and 2004 respectively, included the construction of a central sewerage system of approximately 350 km of sewers and a wastewater treatment plant located at Moni area, serving a population equivalent of 113.000. The third phase, with a view to serving the whole of the Limassol area of 145.000 p.e and the sub-urban agglomerations, requires the construction of additional 500km of sewers, as well as an expansion of the capacity of the wastewater treatment plant from the current 22.000m^3/day to 40.000m^3/day.

The tenders for the extension of the existing wastewater treatment plant to serve the remaining additional 47.000 population were submitted in January 2006, the contract was awarded in July 2006 and work commenced in August 2006. Construction was completed in October 2008.

Sewerage networks third phase staged tendering commenced in 2007.

European Banks have agreed to finance 70% of the whole project (sewerage networks and Sewage Treatment Plant).

2.3 Ayia Phyla [CY52-Agglo]

Transitional period 31-12-2008

Its sewerage system will be served by the Limassol UWWTP expansion of 40,000 m^3/day total capacity. The system will serve a population equivalent of 55.000 and its design has been completed.

The tender for the construction of the designed sewerage network will be out in late 2008. The contract is expected to be awarded by mid-2009 and to be completed by 2012.

The project financing is succeeded through European Banks.

2.4 Larnaca [CY41-Agglo]

Transitional period 31-12-2012

The first phase of the Larnaca sewerage system started in 1993 and was completed in March 2000, with the construction of approximately 100 km of sewers and a wastewater treatment plant serving a population equivalent of 42.500 (or permanent population of 30.800 out of a total population of 61.500 for the Greater Larnaca area). So as to serve the whole of Larnaca area, the second phase of the master plant is being implemented, which comprises approximately the construction of additional 217km sewers and the expansion of the capacity of the present wastewater treatment plant from 8.500 m^3/day to 17.000 m^3/day. The EIA study covering the UWWTP and the pumping stations was completed in August 2006 and was approved by the appropriate authorities.

The contract for the design and supervision of Phase B´ Project was awarded on June 2007. The design is expected to be completed in 4 packs from mid 2007 to mid 2009, whereas the first tender documents to be ready for tendering by end 2008.

Staged construction of the sewerage networks is expected to start in 2008 with staged completion by 2012.

The UWWTP expansion contract is expected to be signed in 2009 and construction to be completed by 2011.

Finance negotiations for the whole project, i.e. sewerage and drainage networks and sewage treatment plant, with the European Investment Bank (EIB) are completed and the loan agreement signed. Negotiations with the co-financier the Development Bank of the Council of Europe (CEB) are underway and the loan agreement expected to be signed in 2008.

2.5 Paphos [CY61-Agglo]

Transitional period 31-12-2011

The first phase of the sewerage network of Paphos municipality, which serves a population of approximately 35,000 thousands was completed in July 2003. This comprised approximately 115 km of sewers and a wastewater treatment plant treating 8,100 m^3/day. The second phase, which will cover the remaining population of 17,000 thousand, requires the construction of approximately 90 km sewers as well as the expansion of the total capacity of the current wastewater treatment plant from 8,100 m^3/day to 19,500 m^3/day. The staged design contract for sewerage networks and the wastewater treatment plant for the second phase was awarded in May 2005. The design for the sewerage networks and the UWWTP expansion is now completed.

The tender of the designed sewerage networks was out in August 2006; the contract was awarded in March 2007 and construction commenced in June 2007 with 30 months completion time, that is by the end of 2009.

For the UWWTP expansion, the tenders were out in September 2006, the contract was awarded in November 2007 and construction commenced in January 2008 with 24 months completion time, that is by the end of 2009.

The project financing is succeeded through European Banks.

2.6 Ayia Napa [CY31-Agglo] & Paralimni [CY32-Agglo]

CY31 : Transitional period 31-12-2012

CY32 : Transitional period 31-12-2008

The 2 Municipalities have formed a Joint Venture of their Sewerage Boards and have constructed a common UWWTP.

The first phase of the sewerage network and urban waste water treatment plant of Ayia Napa and Paralimni Municipalities, which serves a population equivalent of 73.000 was completed in 2001. This comprises of approximately 145km of gravity sewers, 50km force mains, 100km re-use water mains and a wastewater treatment plant treating 12.000m^3/day.

In order to serve the whole of the area of these Municipalities, 41 km of sewers are still needed, as well as an expansion of the capacity of the water treatment plant from the current 12.000m^3/day to 16.000m^3/day, as well as upgradation. Over the past twelve months 16 km of sewers were constructed, while only 25 remain for the completion of the whole project. These sewers are expected to be constructed by 2007. The tender procedure for the UWWTP expansion was completed in December 2005 and the contract was awarded in February 2006. The expansion of the water treatment plant was completed in February 2007.

3.0 Rural agglomerations (> 2.000 p.e.)

3.1. Summary of current situation

Transitional period : 31-12-2012

According to the revised NIP-2008, collection networks and wastewater treatment plants have to be installed in 50 agglomerations with a population equivalent above 2.000 by the Cyprus transitional period of 31-12-2012.

In summary the current state of affairs of the 50 rural agglomerations is follows:

- 6 are provided fully with centralized collection systems and treatment facilities
- 1 its centralized collection system and treatment facilities are under construction (Lythrodontas)
- 27 have been designed by consultants on behalf of WDD, with pre-accession co-funding by EC. They are ready for the preparatory works of the construction.
- 6 have been designed by independent consultants on behalf of the Urban Sewerage Boards and are ready for the preparatory works of the construction (Tseri, Yeri, Pano Polemidia, Kissonerga, Chlorakas, Emba).
- 1 has been designed by the WDD and is ready for the preparatory works of the construction (Kakopetria).
- 1 has been tendered for selecting the consultants to carry out the feasibility and environmental studies, financial study and detailed design. Its design is underway (Peyia).
- 8 will be tendered for their design and techno-economical studies.

Σ 50

3.2 6 rural agglomerations fully provided with centralised systems

The sewerage networks and wastewater treatment plants have been installed in 6 agglomerations from 1999-2007 as follows:

- Dali (CY107-Agglo)
- Pera Chorio Nísou (CY108-Agglo)
- Kyperounda (CY501-Agglo)
- Platres (CY502- Agglo)
- Agros (CY503-Agglo)
- Pelendri (CY504-Agglo)

3.3 1 rural agglomeration under construction

Lythrodontas [CY104-Agglo]

The tender for the construction of the sewerage network for Lythrodondas was awarded in July 2006, construction commenced in September 2006 and was completed mid 2008 (20 months construction period). The tender for its uwwtp was announced in early 2007, construction commenced in September 2007 and its completion is anticipated in March 2009.

3.4 27 rural agglomerations : designed by Consultants on behalf of WDD, with pre-accession co-funding by EC

The scope of the Consultant's scope was to carry out :

- Feasibility studies (including examining various scenarios for the location of the uwwtp, and mergence of administrative entities in complexes with shared infrastructure, public consultation)
- Environmental Impact Assessment study on the selected scenario and the selected site of the uwwtp
- Detailed design of the sewerage networks, pumping stations and conveyance pipelines to the uwwtp (construction drawings, Bill of Quantities)
- Typical tender documents for the sewerage networks on a supply and build basis
- Typical tender documents for the uwwtp, on a Design-Build–Operate basis
- Financial studies (cost-estimates, including deriving the sewer tariffs and affordability analysis)

The final studies were delivered to WDD in mid 2005. The 27 rural agglomerations studied, were grouped by the consultants in **9 complexes,** as described further below.

Since 2005, WDD, being the implementing authority, was co-ordinating the ¨**preparation for construction**¨ phase, which includes various administrative, legal, financial and organizational stages, such as:

- Carrying out meetings with the local authorities for receiving the public acceptance of the works
- Resolving issues on non-public acceptance of the selected technical scenario
- Proposing new technical solutions, in the case of non-acceptance by the public and designing and carrying out any additional studies (EIA) for the same

- Co-ordinating the administrative issues such as
  - Establishing the organization (Sewerage Board)
  - Establishing the set-up for the organization (Regulations, tariffs, computers, software, personnel)
  - Securing the required land
- Preparing individual time-schedules, with all pending activities for the each complex.
- Co-coordinating with the Ministry of Finance for securing the finance from European banks
- Preparing individual tender documents for each complex
- Carrying out meetings with Urban Sewerage Boards, for the handing over of the rural or sub-urban agglomerations that the studies indicated that should have common wastewater treatment facilities with the Urban uwwtps
- Promoting the adaptation of the sewerage Systems Law to allow for the mergence of administrative entities into merged Sewerage Boards.
- Promoting the recent government's policy (2005) for subsidies the rural sanitation project
- Amending all cost-estimates according to the new governmental policies and assisting the established rural sewerage boards to apply for their finance
- Promoting the co-funding of some Rural sanitation projects from the Structural Funds and Cohesion Fund for 2007-2013, in co-operation with the Managing Authority, the Planning Bureau, under the Operational Programme ¨Sustainable Development and Competitiveness¨

3.4.1 Peristerona [CY101]- Astromeritis [CY102] – Akaki [CY103]

The results of the feasibility studies and detailed design carried out in 2005 indicated a common wastewater facility in Astromeritis. There were public objections for the location of the uwwtp from a portion of Astromeritis residents. Through a Ministerial Decision in mid 2006 the location of the plant remained unchanged. Three separate sewerage boards were established in 2005, but since then, the Sewerage Systems Law was amended in 2007, making provisions for unified Sewerage Boards. Therefore, the three separate boards agreed to be dissolved and the unified Sewerage Board was established in early 2008. The unified Sewerage Board is in the process of securing the finance for the project.

WDD submitted in October 2008 its application for the co-funding of the project from the Structural Funds and Cohesion Fund for 2007-2013, under the Operational Programme ¨Sustainable Development and Competitiveness¨.

In parallel, WDD is in the process of obtaining all the required certificates for compliance with the European and National Environmental policy and Public Tendering policy, according to the Structural Fund and Cohesion policy.

WDD called for tenders for the collection system in October 2008, and it is estimated that contract will be signed by early 2009 with completion by 2011. The tender for the uwwtp will be called out by mid 2009.

3.4.2 Paliometocho [CY105] –Kokkinotrimithia [CY106]

The results of the feasibility studies and detailed design carried out in 2005 indicated that the agglomeration collection systems should be served by the wastewater treatment facility of Anthoupolis B´ plant, which is already constructed by the Sewerage Board of Nicosia (SBN). The SBN has already widened its sewerage boarders to incorporate the two agglomerations. The construction drawings for the sewerage network are handed over from WDD to the SBN, as well as the responsibility for securing the finance and implementing the works. SBN intends to employ consultants to review and update the sewerage networks construction drawings of 2005 and start tendering for their construction by 2009.

3.4.3 Lympia [CY109]

The results of the feasibility studies and detailed design carried out in 2005 indicated that the agglomeration collection system should be served by the wastewater treatment facility of Vathia Gonia, which will be constructed by the Sewerage Board of Nicosia (SBN) by 2009. The SBN is in the process to further widen its sewerage boarders to incorporate the agglomeration. The construction drawings for the sewerage network are handed over from WDD to the SBN, as well as the responsibility for securing the finance and implementing the works. SBN intends to employ consultants to review and update the sewerage network construction drawings of 2005 and start tendering for its construction by 2010.

3.4.4 Ypsonas [CY505]- Kolossi [CY506]- Episkopi [CY507]- Trachoni [CY508]

The results of the feasibility studies and detailed design carried out in 2005 indicated that the 4 agglomerations collection systems should be served by a common wastewater treatment facility located at Episkopi. Based on the recent government policy of unifying the Sewerage Boards as far as possible, negotiations are under way between the Government, the urban Sewerage Board of Limassol Amathous (SBLA) and the 4 agglomerations, whether SBLA can undertake the responsibility of implementing their works and hence merging them in their sewerage boarders. Negotiations are expected to be completed by early 2009.

3.4.5 Aradippou [CY402] - Livadia Center [CY406]

The results of the feasibility studies and detailed design carried out in 2005 indicated that the 2 agglomerations collection systems should be served by a common wastewater treatment facility located at Aradippou. Based on the recent government policy of unifying the Sewerage Boards as far as possible, negotiations are under way between the Government, the Urban Sewerage and Drainage Board of Larnaca (SDBL) and the 2 agglomerations, whether SDBL can undertake the responsibility of implementing their works, hence merging them in their sewerage boarders.

3.4.6 Kiti [CY403]- Pervolia [CY404]- Dromolaxia [CY405]- Meneou [CY412]

The results of the feasibility studies and detailed design carried out in 2005 indicated that the 4 agglomerations collection systems should be served by the expansion of the wastewater treatment facility of the Larnaca Urban agglomeration. Negotiations took place between the Government, the Urban Sewerage and Drainage Board of Larnaca (SDBL) and the 4 agglomerations, whether SDBL can undertake the responsibility of implementing their works, hence merging them in their sewerage boarders. In July 2008 negotiations were concluded with positive results. SDBL is now in the process of widening its boarders to merge the 4 agglomerations. Furthermore, SBN intends to employ consultants in early 2009 to review and update the sewerage networks construction drawings of 2005. Tendering for their construction is anticipated by late 2009.

3.4.7 Athienou [CY407]

The results of the feasibility studies and detailed design carried out in 2005 indicated that the agglomeration collection system should be served by its own wastewater treatment facility at Athienou. Since then, WDD faced objections for the selected location of the plant by the Municipality. Relocation design in an area within the buffer zone was completed by WDD in 2008 Certain technical problems regarding this new location were resolved with the United Nations Peacekeeping Force in Cyprus (UNFICYP). WDD tendered in late 2008 for the Environmental Impact Assessment study for the new location of the plant.

The Sewerage Board of Athienou (SBA) was established and its regulations enforced in late 2007. The SBA is in the process of securing the finance.

WDD submitted in October 2008 its application for the co-funding of the project from the Structural Funds and Cohesion Fund for 2007-2013, under the Operational Programme ¨Sustainable Development and Competitiveness¨. In parallel, WDD will obtain all the required certificates for compliance with the European and National Environmental policy and Public Tendering policy, according to the Structural Fund and Cohesion policy.

It is expected that the tender for the construction of the collection system will be out by WDD by mid 2009 and for its uwwtp (after the completion of the EIA study) by late 2009.

3.4.8 Ormideia [CY408] – Xylotymvou [CY409] – Xylophagou [CY410] – Avgorou [CY301] – Achna [CY305] – Sotira [CY302] – Liopetri [CY303] – Phrenaros [CY304] – Derynia [CY306]

The results of the feasibility studies and detailed design carried out in 2005 indicated that the 9 agglomerations collection systems should be served by a common wastewater treatment facility located in Achna. WDD faced many objections for the selected location of the uwwtps by various communities and NGO´s. A lot of other schemes were examined by WDD in the period of 2006 to 2007. The scheme that was finally accepted by all parties is the following:

- 4 communities will be served by the existing plant of Paralimni- Ayia Napa. For this new complex, the existing sewerage boards of Paralimni and Ayia Napa agreed in mid 2008 to be dissolved and to form a unified Sewerage Board, including these 4 agglomerations. It is expected that the new unified Sewerage

Boards will be established by early 2009 and it will undertake the tendering for the construction of the 4 collection systems by end of 2009.

- 5 communities will be served by a new uwwtp in Ormideia. For this new location, WDD is in the process of tendering for the Environmental Impact Assessment study. The 5 existing sewerage boards have, in mid 2008, agreed to be dissolved and to form a unified Sewerage Board, including these 5 agglomerations. WDD intents to submit by mid 2009 an application for the co-funding of the project from the Structural Funds and Cohesion Fund for 2007-2013, under the Operational Programme ¨Sustainable Development and Competitiveness¨. In parallel, WDD will obtain all the required certificates for compliance with the European and National Environmental policy and Public Tendering policy, according to the Structural Fund and Cohesion policy. It is expected that the tender for the construction of the collection systems will be out by WDD by late 2009 and for its uwwtp (after the completion of the EIA study) by mid 2010.

3.4.9 Polis Chrysochous [CY601]

The results of the feasibility studies and detailed design carried out in 2005 indicated that the agglomeration collection system should be served by its own wastewater treatment facility at Polis.

The Sewerage Board of Polis Chrysochous (SBPC) was established and its regulations enforced in late 2007. The SBPC is in the process of securing the finance. WDD is in the process of preparing all required tender documents on behalf of the sewerage board. It is expected that tender for the construction of the collection system will be out by mid 2009 and for its uwwtp by late 2009.

3.5 6 agglomerations designed by the consultants of the Urban Sewerage Boards

Emba [CY603] – Chlorakas [CY604] – Kissonerga [CY605] - Pano Polemidia [CY510]- Tseri [CY111] - Yeri [CY112]

Emba (CY603)

This sewerage system is designed, so as to be interconnected with the Paphos network. The system will serve a population of 6,000 thousand and requires the construction of approximately 40 km sewers. The sewerage network will be served by the Paphos UWWTP of 19,500 m^3/day total capacity. The design contract is included in the second phase of Paphos that was awarded in May 2005. The design for sewerage networks has been completed. The tender of the designed sewerage networks was out in January 2008. The contract was awarded in September 2008 and the construction commenced in November 2008 with 30 months completion time. The project financing is succeeded through European Banks.

Chlorakas (CY604)

This sewerage system is designed, so as to be interconnected with the Paphos network. The system will serve a population of 10,000 thousand and requires the construction of approximately 45 km sewers. The sewerage network will be served by the Paphos UWWTP of 19,500 m^3/day total capacity. The design contract is included in the second phase of Paphos that was awarded in May 2005. The design for sewerage networks has been completed. The tender of the designed sewerage networks was out in June 2007; the contract was awarded in January 2008 and construction commenced in March 2008 with 30 months completion time. The project financing is succeeded through European Banks.

Kissonerga (CY605)

This sewerage system is designed to be interconnected with the Paphos network. The system will serve a population of 6,500 thousand and requires the construction of approximately 35 km sewers. The sewerage network will be served by the Paphos UWWTP of 19,500 m^3/day total capacity. The design contract is included in the second phase of Paphos that was awarded in May 2005. The design for sewerage networks has been completed. The tender of the designed sewerage networks was out in June 2007; the contract was awarded in January 2008 and construction commenced in March 2008 with 30 months completion time. The project financing is succeeded through European Banks.

Pano Polemidia (CY510)

Its sewerage system will be served by the Limassol UWWTP expansion of 40,000 m^3/day total capacity. The system will serve a population equivalent of 3,500 and its design has been completed.
The tender for the construction of the designed sewerage network was out late 2008. The contract is expected to be awarded by mid-2009 and to be completed by 2012.

Tseri (CY111)

The sewerage system of Tseri will be served by the Anthoupolis uwwtp. The design contract was included in the second phase of Nicosia design. The Sewerage Board of Nicosia (SBN) has already widened its sewerage boarders to incorporate the agglomeration. The SBN called for tenders for the Tseri collection system in mid 2008, its contract was awarded in September 2008 and its construction is underway.

Yeri (CY112)

The sewerage system of Yeri will be served by the Vathia Gonia uwwtp. The design contract was included in the second phase of Nicosia design. The SBN has already widened its sewerage boarders to incorporate the agglomeration. SBN will call for tenders for the construction of the collection system of Yeri by early 2009.

3.6 1 Agglomeration designed by the WDD

Kakopetria [CY110]

WDD has completed the design of the sewerage network and EIA study for the uwwtp for the Solea area, (that will serve other 9 smaller communities) since 2005. Due to public objections for the selected location of the plant, other technical scenarios were examined by WDD during 2006-2007. However, in mid 2008 the political decision of the Project Ministerial Committee was that the location of the uwwtp will remain unchanged. Hence the 10 communities that will share the common uwwtp are now in the process of establishing their unified Sewerage Board and securing finance. It is expected that tender for the Kakopetria collection system will be out by late 2009 and for the common uwwtp of Solea, 6 months later.

3.7 1 agglomeration under Design

Peyia [CY602]

WDD launched a tender in February 2008 for selecting the consultants who will carry out the techno-economical studies and design. The tender was awarded in September 2008, with 18 months duration and the studies are underway.

3.8 8 agglomerations will be tendered for their design

Pyla Center [CY411] - Voroklini Center [CY413] – Tala [CY606] – Pissouri [CY509] - Ayios Tychonas Center [CY511] - Mouttagiaka Center [CY512] - Parekklisia Center [CY513] - Pyrgos Center [CY514]

For these new agglomerations, WDD is currently in negotiations with the respective Urban Sewerage Boards, whether the design will be undertaken by them or by WDD. The negotiations are expected to be completed towards the end of 2008 and the tender for the design to be called early 2009 with 12 months duration.

APPENDIX 7

Model Table 2
Inventory of Food Processing Industries
for NIP-2008

Model Table 2 : Inventory and status of food-processing industries falling under the requirements of the Directive 91/271/EEC

No.	ID of food- processing industrial plant	Name of the plant	Generated Load/ organic design capacity, p.e	Description of the status of the collecting system	Description of the status of tretment level	Description of permit system and emission limit values	Capital investments planned	Name of EU fund planeed to be used
1	2	3	4	5	6	7	8	9
1	**Milk processing sector**							
1	CYMP 1-CHAR	Charalambides Dairies Public Company Ltd	20.000	N.A	Secondary	**Waste Discharge Permit :** 31.1.2008 - 30.1.2012 **Emission Limit Values :** pH: 6,5 - 8,5, Temp: same as the environment, Colourless, Odourless, SS: 30 mg/L, BOD_5: 20 mg/L, COD: 125 mg/L, Conductivity: 2900 µS/cm, FOG: 5 ppm, Fecal Coliforms: 200/ 100 ml, Eggs of Intestinal Worms/ L : 0.	N.A.	N.A.
2	**Breweries sector**							
2	CYB 1-CARL	Photos Photiades Breweries Ltd.	22.000	N.A	Secondary	**Waste Discharge Permit** : 15.1.2008-14.1.2012 **Emmision Limit Values** : pH: 6,5 - 8,5, Temp: that of the environment, Colourless, Odourless, SS: 30 mg/L, BOD5: 20 mg/L, COD: 125 mg/L, Conductivity: 3000 µS/cm, TN: 20 mg/L, TP: 5 mg/L, FOG: 5 ppm, Fecal Coliforms: 200/ 100 ml, Eggs of Intestinal Worms/ L : 0.	N.A	N.A

Model Table 2 : Inventory and status of food-processing industries falling under the requirements of the Directive 91/271/EEC

No.	ID of food- processing industrial plant	Name of the plant	Generated Load/ organic design capacity, p.e	Description of the status of the collecting system	Description of the status of tretment level	Description of permit system and emission limit values	Capital investments planned	Name of EU fund planeed to be used
1	2	3	4	5	6	7	8	9
3	**Meat industry sector**							
3	CYMI 1-KOM	Comet Farm Ltd (Poultry processing plant)	5.000	N.A	Tertiary	**Waste Discharge Permit:** 1.1.2005 - 1.1.2009 **Emission Limit Values:** pH: 6-9, SS: 30 mg/L, BOD_5: 30 mg/L, COD: 120 mg/L, FOG: 5 mg/L, Fecal Coliforms: 200/ 100mL, Eggs of Intestinal Worms/ L: 0	N.A	N.A
4	CYMI 2 -MIN	A.Mintikis Farm Ltd (Poultry processing plant)	4.200	N.A	Tertiary	**Renewed Waste Discharge Permit:** 1.5.2005 - 1.5.2009 **Emission Limit Values:** pH: 6-8, SS: 30 mg/L, BOD_5: 20 mg/L, COD: 90 mg/L, FOG: 5 mg/L, Fecal Coliforms: 200/ 100mL, Eggs of Intestinal Worms/ L: 0	N.A	N.A
5	CYMI 3-PIP	Pipis Farm Ltd (Poultry processing plant)	10.000	N.A	Tertiary	**Waste Discharge Permit:** 1.4.2008 - 1.4.2012 **Emission Limit Values:** pH: 6-9, SS: 30 mg/L, BOD5: 20 mg/L, COD: 90 mg/L, FOG: 5 mg/L, E.C.: 3000 µS/cm, Fecal Coliforms: 200/ 100mL, Eggs of Intestinal Worms/ L: 0	N.A	N.A
6	CYMI 4-KOF	Central Slauhgterhouse of Kofinou	30.000	N.A.	Tertiary	**Waste Discharge Permit:** 1.10.2007 - 1.10.2011 **Emission Limit Values:** pH: 6-9, SS: 70 mg/L, BOD_5: 50 mg/L, COD: 200 mg/L, FOG: 5 mg/L, E.C.: 3000 µS/cm, Fecal Coliforms: 300/ 100mL, Eggs of Intestinal Worms/ L : 0 **N**	N.A	N.A
7	CYMI 5-ATR	Community Slauhgterhouse of Agioi Trimithias	9.000	N.A.	Tertiary	**New Waste Discharge Permit:** 30.07.2006 - 30.7.2010 **Emission Limit Values:** pH: 6-9, SS: 45 mg/L, BOD5: 30 mg/L, COD: 125 mg/L, FOG: 5 mg/L, Conductivity: 3000 µS/cm, Ammonia: (N-NH4): 10 mg/L, Fecal Coliforms : 5000/ 100mL, Eggs of Intestinal Worms/ L : 0	N.A.	N.A.

Model Table 2 : Inventory and status of food-processing industries falling under the requirements of the Directive 91/271/EEC

No.	ID of food- processing industrial plant	Name of the plant	Generated Load/ organic design capacity, p.e	Description of the status of the collecting system	Description of the status of tretment level	Description of permit system and emission limit values	Capital investments planned	Name of EU fund planeed to be used
1	2	3	4	5	6	7	8	9
8	CYMI 6-CYP	CYPRA Ltd. (meat slaughterhouse)	5.000	N.A.	Tertiary	**New Waste Discharge Permit:** 9.10.2006 - 9.10.2010 **Emission Limit Values:** pH: 6.5-8.5, SS: 30 mg/L, BOD5: 20 mg/L, COD: 125 mg/L, FOG: 5 mg/L, Conductivity: 3000 µS/cm, Total Nitrogen: 20 mg/L, Total Phoshorous: 5 mg/L, Fecal Coliforms : 1000/ 100mL, Eggs of Intestinal Worms/ L : 0	N.A.	N.A.

APPENDIX 8

Communication with the European Commission regarding the NIP-2008

Ioanna Stylianou

To:<Sophie.BREUL-BUSSON@ec.europa.eu>
cc:
bcc:
13/11/2007 14:40 Subject:RE: Request for clarifications : UWWTD 91/271/EEC - Article 17

Dear Sophie,

Thank you for your prompt reply upon your travel return. Your reply clarifies the issue fully.

Cyprus information for the Questionnaire 2007, which is at the final stages of completing, so as to be sent electronicaly to the Commission by 29/11/2007, is based on the First Implemetation Programme of Cyprus submitted in March 2005 and incorporating the slight modifications, as reported in the clarifications sent to the EC on 11 December 2006.

Preparation of our updated Implemetation Programme has just started. I believe it will have quite a few modifications on the agglomerations, since the methodology of their delineation is changing. I estimate it will be ready for submission to the EC by May-June 2008.

I look forward to meeting you in person in the near future, as I shall be replacing in the Working group for Reporting, Dr. Maria Dodou who has now retired.

Once again thank you for your assistance.

Best Regards

Ioanna Stylianou
Sanitary Engineer
Water Development Department

<Sophie.BRETUL-BUSSON@ec.europa.eu>

To <stylianou@wdd.moa.gov.cy>
cc:
bcc:

13/11/2007 10:56 CET Subject:RE: Request for clarifications : UWWTD 91/271/EEC - Article 17

Dear Ioanna

Please accept my apologize for late reply

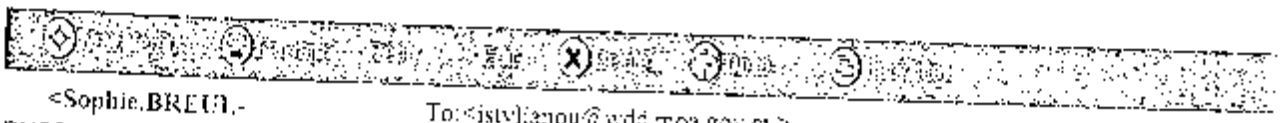
According to my file
Cyprus has sent an Implementation Programme on 26 February 2006 / 11 March 2006
Commission commented on it in the letter dated 31 December 2006, inviting to provide further detailed information
Cyprus sent the updated information on 11 December 2006

I believe that the modifications you are referring to are taken into account in the information provided in the reporting exercise (Questionnaire 2007).
It is important to have both the reported data and the implementation programme in line

Therefore I would recommend for an update to be submitted upon readiness (which would however be only slightly in advance of the 30/6/2008 deadline)

Kind regards

Sophie



<Sophie.BREUIL-BUSSON@ec.europa.eu>

12/11/2007 10:00 CET

To:<istylianou@wdd.moa.gov.cy>
cc:
bcc:
Subject:Out of Office AutoReply: Request for clarifications : UWWTD 91/271/EEC - Article 17

I am out of office this Monday and will be back Tuesday 13 November
In case of urgent matter, please contact Zanna Otisone 00.32.2.2980836

Ioanna Stylianou

To:<Sophie.BREUL-BUSSON@ec.europa.eu>
cc:
bcc:
12/11/2007 10:59 Subject:RE: Request for clarifications : UWWTD 91/271/EEC - Article 17

Dear Sophie,

Could I please have a reply to our e-mail of 25/10/2007, as below?

Thanking you in advance.

Dear Sophie,

Thank you for your reply. However, my actual question still remains unanswered and I apologize that I did not expressed it properly. So if you allow me to rephrase the question:

It was clearly stated in Mr. Patrick Murphy's letter ref. ENV.D.2.PMM/CP/rl D(2004) 522528 dated 14-10-2004 that:

a) Under Article 17 new Member States (EU10) had to set up the Implementation Programmes (IP) by the date of accession - 01/05/2004.

b) EU10 had to submit the first IP to the Comission 6 months later - 1/11/2004.

c) the first update of the IP, if necessary, to be reported to the Commssiion every two years - 1/11/2006.

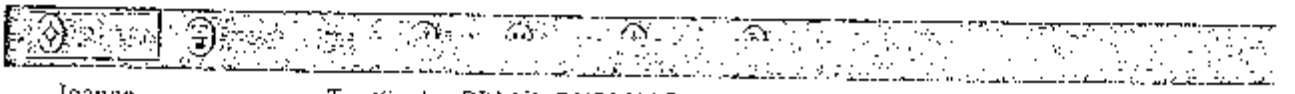
d) In order to harmonise the reporting cycle with the EU15, the Commission asked EU10 to report the first updates of the IP, when necessary, by 30/6/2006.

Based on the above, Cyprus did not judge that it was necessary to submit any update of the IP by 30/6/2006 (as there were not any significant changes or progress). However, after the issuance of the Guidance Documnet from the Working Group for Reporting in January 2007, we found that some of our design methodolgy and approach may needs revision and hence the IP to be updated. So the actual question is : do we wait until 30/6/2008 (2 years after the 30/6/2006) to submit the first update of the IP ? or do we submit upon readiness (let's say in 2-3 months time when we are ready)?

Thanking you in advance.

Joanna Stylianou
Sanitary Engineer
Water Development Department
Ministry of Agriculture, Natural Resources and Environment
Nicosia - Cyprus
Tel : 22404548
Fax : 22304726

<Sophie.BREUL-BUSSON@ec.europa.eu>



Ioanna Stylianou

To:<Sophie.BRECL-BUSSON@ec.europa.eu>
cc:
bcc:
25/10/2007 17:08 Subject:RE: Request for clarifications : UWWTD 91/271/EEC - Article 17

Dear Sophie,

Thank you for your reply. However, my actual question still remains unanswered and I apologize that I did not expressed it properly. So if you allow me to rephrase the question:

It was clearly stated in Mr. Patrick Murphy's letter ref. ENV.D.2/PMM CP'd D(2004) 522528 dated 14-10-2004 that:

a) Under Article 17 new Member States (EU10) had to set up the Implemetnation Programmes (IP) by the date of accession - 01/05/2004.

b) EU10 had to submit the first IP to the Commission 6 months later - 1/11/2004.

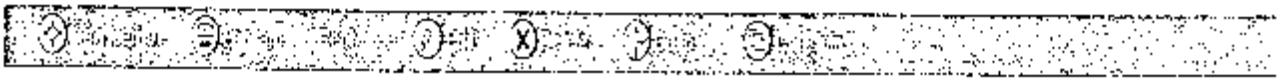
c) the first update of the IP, if necessary, to be reported to the Commssion every two years - 1/11/2006.

d) In order to harmonise the reporting cycle with the EU15, the Commission asked EU10 to report the first updates of the IP, when necessary, by 30/6/2006.

Based on the above, Cyprus did not judge that it was necessary to submit any update of the IP by 30/6/2006 (as there were not any significant changes or progress). However, after the issuance of the Guidance Documnet from the Working Group for Reporting in January 2007, we found that some of our design methodolgy and approach may needs revision and hence the IP to be updated. So the actual question is : do we wait until 30/6/2008 (2 years after the 30/6/2006) to submit the first update of the IP ? or do we submit upon readiness (let's say in 2-3 months time when we are ready)?

Thanking you in advance.

Ioanna Stylianou
Sanitary Engineer
Water Development Department
Ministry of Agriculture, Natural Resources and Environment
Nicosia - Cyprus
Tel : 22404548
Fax : 22304726



<Sophie.BREUL-BUSSON@ec.europa.eu>

To:<stylianou@wdd.moa.gov.cy>
cc:
bcc:
24/10/2007 16:47
Subject RE: Request for clarifications : UWWTD 91/271/EEC - Article 17

Dear Ioanna

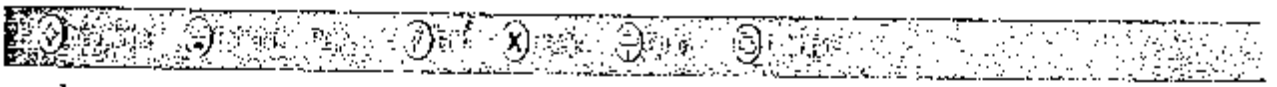
The requirements for reporting under UWWT Directive are explained in our website http://ec.europa.eu/environment/water/water-urbanwaste/implementation/reportingrequirements_en.htm

Update of Article 17 should be submitted every 2 years if necessary.

I hope this helps

Kind regards

Sophie



Ioanna Stylianou

To:<Sophie BRETL-BUISSON@ec.europa.eu>
cc:
bcc:
19/10/2007 14:01 Subject:RE: Request for clarifications : UWWTD 91/271/EEC - Article 17

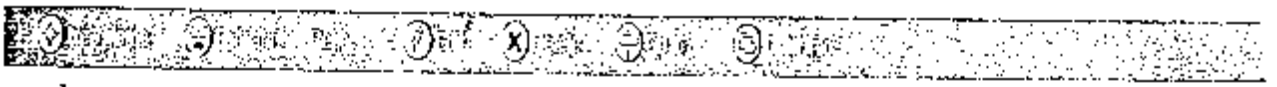
Dear Sophie,

Thank you kinldy for your reply.

I have another question regarding the new dates for submitting Article 17 Report. There were discussions and proposals for harmonising the dates of submissions of all reports under Articles 15, 16 and 17 and these were proposed to the UWWTDCommittee meeting of March 2006. Has the harmonisation of dates been approved? In any case, what is the expected date for submitting revised Implementation Programme under Article 17, for new Member States?

Thanking you in advance.

Ioanna Stylianou
Sanitary Engineer
Water Development Department
Ministry of Agriculture, Natural Resources and Environment
Nicosia - Cyprus
Tel : 22404548
Fax : 22304726



Ioanna Stylianou

To:<Sophie BRETL-BUISSON@ec.europa.eu>
cc:
bcc:
19/10/2007 14:01 Subject:RE: Request for clarifications : UWWTD 91/271/EEC - Article 17

Dear Sophie,

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Thanking you in advance.

Ioanna Stylianou
Sanitary Engineer
Water Development Department
Ministry of Agriculture, Natural Resources and Environment
Nicosia - Cyprus
Tel : 22404548
Fax : 22304726

<Sophie.BREUL-BUSSON@ec.europa.eu>
27/09/2007 05:44 [illegible]

To: [illegible]

cc:

bcc:

Subject: RE: Request for clarifications : UWWTD 91/271/EEC - Article 17

Dear Ioanna

Please find hereafter some replies to your questions.

- The transitional periods are set up in the Accesion Treaty, i.e. they have been approved at the highest European level. Therefore they can not be changed
It means that, by 31 December 2012, all the agglomerations reported (by this date) with a load of more than 2000 p.e. will have to be compliant.(at the exception of the larger agglo with tighter deadlines)

- The purpose of the safety margin in the calculation of the load is rather an anticipative measure aiming at avoiding any gap in the implementation of the directive, more precisely to avoid any situation of non-compliance by 31 December 2012.
For example, in the case of a fast growing agglomeration which accounts today for 1900 p.e. It may be safe to consider a safety margin early enough in order to make sure that this agglomeration will be compliant by 31 december 2012.
The safety margin has to be seen as a tool for the MS to manage the implementation of the directive.

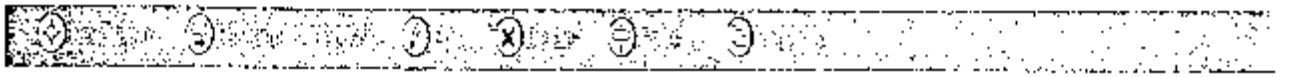
Its calculation is up to the MS. I don't have any experience with the other EU-10Member States for the time being.

- In case the load of an agglomeration falls under 2000 p.e., the agglomeration can be removed from the Implementation Programme with appropriate justification.
(That happens, for example, when an industry gets equipped with its own industrial waste water treatment plant and stops discharging intothe municipal collecting system.)

I hope this will help. Don't hesitate to contact me if you need some further clarification.

Best regards

Sophie



<Sophie.BREUL-BUSSON@ec.europa.eu>

To: <isylianou@wdd.moa.gov.cy>
cc: <Benilde.BUJARRABAL-FERNANDEZ@ec.europa.eu>
bcc
27/09/2007 09:54
Subject: RE: Request for clarifications : UWWTD 91/271/EEC - Article 17

Dear Ioanna

We confirm reception of your mail and will reply before the week-end.

Kind regards

Sophie Breul-Busson
European Commission - DG Environment
Unit D.2. Water and Marine
Urban Waste Water Treatment Directive
Tel. +32-2-2994313, Fax: +32-2-7968825
e-mail: Sophie.Breul-Busson@ec.europa.eu
http://europa.eu.int/comm/environment/water

From: Ioanna Stylianou mailto:istylianou@wdd.moa.gov.cy
Sent: Thursday, September 27, 2007 9:37 AM
To: Benilde.BUJARRABAL-FERNANDEZ@ec.europa.eu; BREUL-BUSSON Sophie (ENV)
Subject: Request for clarifications : UWWTD 91/271/EEC - Article 17

Dear Mrs. Sophie, M. Benilde,

I have been informed by Mrs. Rita Lazar that my e-mail message of 13/9/07 below, has been forwarded to you.

Please confirm safe receipt and advise on the expected date of your reply.

Best regards,

Ioanna Stylianou
Sanitary Engineer
Water Development Department
Ministry of Agriculture, Natural Resources and Environment
Nicosia - Cyprus
Tel : 22404548
Fax : 22304726

<Rita.LAZAR@ec.europa.eu>

18/09/2007 09:53

To:<istylianou@wdd.moa.gov.cy>
cc:<cosmosphos@wdd.moa.gov.cy>
bcc:
Subject:RE: Request for clarifications : UWWTD 91/271/EEC - Article 17

Dear Ms Stylianou,

Your message dated 13/09/2007 was forwarded to my colleagues, Sophie Breu-Busson and Benilde Bujarrabal Fernandez (see attachement).

kind regards
Rita Lazar

Rita Lazar

Secretariat of Directorate ENV. D - Water, Chemicals & Cohesion

European Commission

BU-5, 4/38 - B-1049 Brussels

Tel: +32-2-2969105 - Fax: +32-2-2968826

New email address : rita.lazar@ec.europa.eu

Ioanna Stylianou 18/09/2007 10:35	To Rita.LAZAR@ec.europa.eu cc ecomorphou@wdd.moa.gov.cy bcc Subject Request for clarifications : UWWTD 91/271/EEC - Article 17

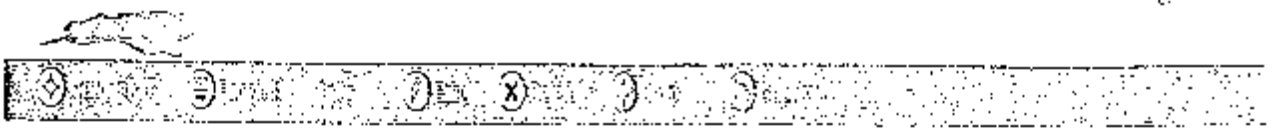
Dear Ms. Rita,

Following my e-mail of 13/9/07, please advise if you have forwarded the message below to Ms. Violeta, or whom I should be

contacting for the clarifications requested.

Best regards,

Ioanna Stylianou
Sanitary Engineer
Water Development Department
Ministry of Agriculture, Natural Resources and Environment
Nicosia - Cyprus
Tel : 357 22404548
Fax : 357 22304726



Ioanna Stylianou

13/09/2007 12:45

To:Rita LAZAR@ec.europa.eu

cc

b.c

Subject:Request for clarifications : UWWTD 91/271/EEC - Article 17

Dear Ms. Rita,

I have been trying unsuccessfully to send this e-mail to Ms. Violeta. Could you pls forward to her"

Ioanna Stylianou
Sanitary Engineer
Water Development Department
Ministry of Agriculture, Natural Resources and Environment
Nicosia - Cyprus
Tel : 22404648
Fax : 22304726

Ioanna Stylianou

13/09/2007 16:57

To:Violeta VINCEVICIENE@ec.europa.eu

cc:

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Subject: Request for clarifications : UWWTD 91/271/EEC - Article 17

Dear Ms. Violeta,

We are in the process of reviewing and updating the Implementation Programme (IP) of Article 17 of the UWWTD, with a target to incorporate the "Terms and Definitions" of the Guidance Document published on 16/01/2007.

Our first step is the delineation of agglomerations and the calculation of their generated load, so as to examine if they fall under the provisions of the Directive (above 2.000 p.e).

Paragraph 1.1.6 of the Guidance Document refers "For purpose of planning, including updating Implementation Programmes under Article 17, due attention is also to be paid to future extensions of an agglomeration, for example due to population growth and or increased economic activity. Therefore, the generated load and limits/delineation of an agglomeration should be regularly reviewed and updated."

Paragraph 1.3.7 also refers " the estimated generated load of an agglomeration must also include a safety margin in order to be able to comply with the Directive at all times."

The old method that Member States (MS) used for the estimation of the generated load of agglomerations, especially in areas where no UWWT plant exists, (described for each country in the 6th UWWTD REP meeting, of 10-11th March 2005, Annex 1 of the paper "The generated load of an agglomeration and its calculation") was mainly based on the permanent population and tourist data of past years as published by the Statistics Departments of the Members States and did not allow for any future extensions. The safety margins were allowed on the Organic Design Capacity (ODC) of the UWWT plants.

With the new proposed method in the Guidance Document of allowing future extensions on the size of agglomerations, the matter that arises is that new agglomerations may fall under the provisions of the Directive, when updating the IP's. For example, if an agglomeration based on the old method had a size of 1.850 p.e, with the new method and allowing a safety margin of say 10%, then its size becomes 2.035 p.e. and it now falls under the provisions of the Directive. This matter concerns only "small" agglomerations of size 2.000 p.e. For this category of "small" agglomerations, the opposite may also occur, i.e. a decrease of the size of the agglomeration may render the agglomeration not to fall under the provisions of the Directive.

There are 3 matters in question:

1. What would be the Transitional period of the new agglomerations, which are indentified during the process of updating the IP? We presume that the newly identified agglomerations will receive a sufficient extension of time to the Transitional period of the Member State.

2. The suggested safety margin that needs to be applied to the size of agglomerations, so that they can comply with the Directive at all times, must have a design horizon (or a period of future projection). Should that be the same with the transitional period of the Member State (for EU 10) or

is it up to each MS to decide?

3. If a "small" agglomeration, that has already been reported in the first submitted IP, now with the process of updating the IP and re-calculating its size ceases to fall under the provisions of the Directive, can this be removed from the updated IP (with the appropriate justification)?

Please let us have your views on the above matters and share with us any similar experiences you had with the other EU-10 Member States.

Has these matters been discussed in any of the UWWTD REP meetings? Or are they scheduled to be discussed in the near future in special workshops for the EU-10 or EU-12?

Best Regards
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