

MINISTRY OF AGRICULTURE , NATURAL RESOURCES AND ENVIRONMENT

Monitoring of the Implementation Plan in Cyprus

Current Status

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Environment

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Accession Treaty Commitments

- Transitional period negotiated in the accession treaty of Cyprus for the implementation of the UWWTD, Articles 3, 4 and 5(2)
 - · 31.12.2012
- Three interim deadlines concerning four agglomerations>15.000pe
 - 31.12.2008 2 agglomerations (Limassol and Paralimni)
 - 31.12.2009 1 agglomeration (Nicosia)
 - 31.12.2011 1 agglomeration (Paphos)



National Implementation Plan

National Implementation Plan2005

- Submitted to the EC in March 2005
- 6 Urban agglomerations 545.000pe
- 36 Rural agglomerations 130.000pe

National Implementation Plan2008

- Working Groups for Reporting and the EC Guidance Document
- Revised NIP-2008 (agglomeration methodology, new technical solutions, government policies and law amendments)
- 7 Urban agglomerations 630.000pe
- 50 Rural agglomerations 230.000pe

Article 17

A revised Implementation Plan is under preparation.

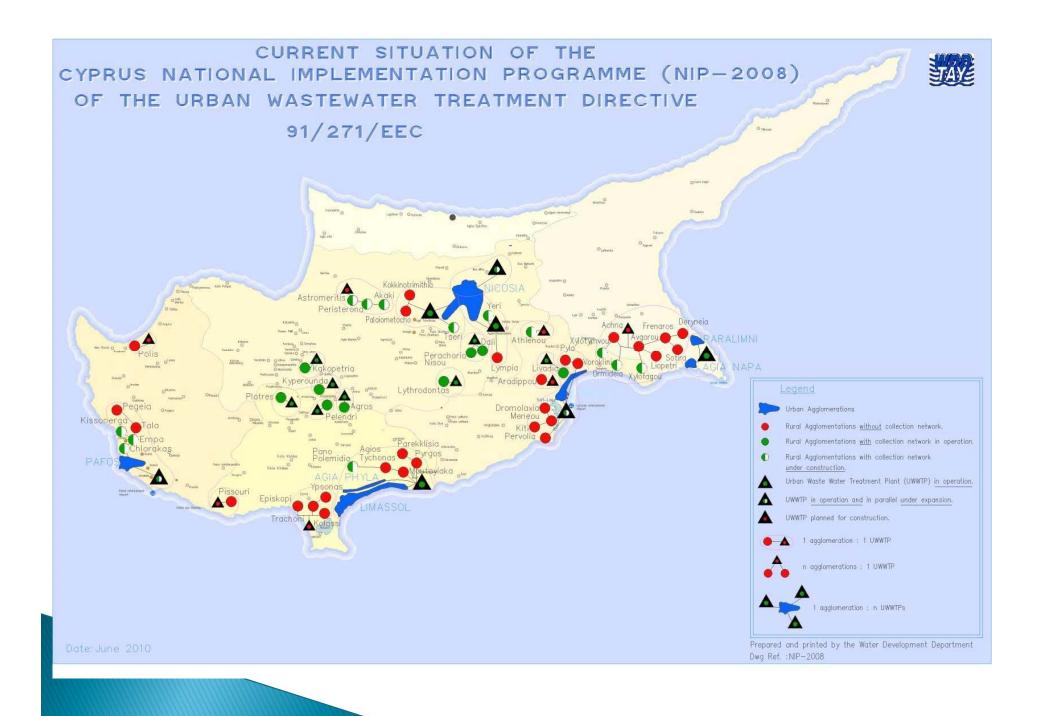


	INVENTORY OF		
	OF NIP-	-2008	
<u>7 L</u>	<u> Irban Agglomerations</u>	<u>50 F</u>	Rural Agglomerations
ID	Name	ID	Name
CY 11	Nicosia		Nicosia District
CY 51	Lefkosia Municipality Strovolos Municipality Lokatameia Municipality Aglantzia Municipality Egkomi Municipality Latsia Municipality Agios Dometios Municipality Limassol Limassol Municipality center Kato Polemidia Municipality lower area Mesa Getonia Municipality center Germasoyeia Municipality center Germasoyeia Municipality center Agios Athanasios Municipality center Pyrgos tourist area Parekklisia tourist area Mouttagiaka tourist area	CY 101 CY 102 CY 103 CY 104 CY 105 CY 106 CY 107 CY 108 CY 109 CY 110 CY 111 CY 112 CY 501 CY 502 CY 503 CY 504	Peristerona Astromeritis Akaki Lythrodontas Palaiometocho Kokkinotrimithia Dali Pera Chorio Nisou Lympia Kakopetria Tseri Yeri Limassol District Kyperounta Pano Platres Agros Pelendri
CY 52	Ayia Phyla Limassol Municipality upper area Kato Polemidia Municipality center Mesa Getonia Municipality upper area Germasoyeia Municipality upper area Agios Athonosios Municipality upper area	CY 504 CY 505 CY 506 CY 507 CY 508 CY 510 CY 511	Ypsonas Kolassi Episkopi Trachoni Pissouri Pano Polemidia
CY 41	Larnaka Larnaka Municipality Voroklini tourist area Livadhia tourist area Pyla tourist area	CY 512 CY 513 CY 514 CY 515	Ayios Tychonas center Moutagiaka center Parekklisia center Pyrgos center
CY 61	Pafos Pafos Municipality Geroskipou Municipality	CY 402 CY 403	Larnaka District Aradippou Kiti
CY 31	Ayia Napa	CY 404 CY 405	Pervolia Dromolaxia
CY 32	<u>Paralimni</u>	CY 406 CY 407 CY 408 CY 409 CY 410 CY 412 CY 413 CY 414	Livadia center Athienou Ormideia Xylatymvou Xylatgagu Pyla center Meneou Voroklini center
		CY 301 CY 302 CY 303 CY 304 CY 305 CY 306	Ammochostos District Avgorou Sotira Liopetri Frendros Achna Deryneia
		CY 601 CY 602 CY 603 CY 604 CY 605 CY 606	Pafos District Polis Chrysochous Pegeia Emba Chlorakas Kissonerga Tala





Prepared and printed by the Water Development Department Date: June 2010



Stakeholders in the Implementation Plan

- Council of Ministers (overall responsibility for the Implementation Plan)
- Ministry of Agriculture, Natural Resources and Environment
- Ministry of Interior
- Ministry of Finance
- Planning Bureau
- Sewerage Boards (Established and operate under the "Sewerage Systems Laws 1971 to 2004")
 - Urban Sewerage Boards
 - Rural Sewerage Boards



Sewerage Boards Organizational Setup

Urban Sewerage Boards

- Autonomous organizations (technically and administratively competent)
- Carry out their own design, tendering, construction and operation of their sewerage systems.
- An urban sewerage board may serve one or more agglomerations.



Sewerage Boards Organizational Setup

Rural Sewerage Boards

- A rural sewerage board may serve one or more agglomerations.
- Lack of technical and administrative setup. The Water Development Department acts as technical advisor.
- Water Development Department undertakes design, tendering, construction and operation of the sewerage systems for 3-5 years. From there onwards operation is undertaken by the Sewerage Boards.



Information and Data Sources for the Preparation of the Implementation Plan

- Information and data are obtained from
 - Sensus
 - Cyprus Tourist Organization
 - Sewerage Boards

Data collected

 Data regarding the progress of the design, tendering, construction works and cost.

Data are necessary and helpful for better planning due to the long procedures and periods required until construction, thus are updated regularly.



Information and Data Sources for the Preparation of the Implementation Plan

Data collected (cont)

 Data arising from the operation of the sewerage systems (e.g. flows, loads, population equivalents etc.), are obtained on demand for reporting purposes, according to the frequencies and the requirements of the Directive.

Data keeping

- In tabular form
- Currently expanded to the newly installed GIS system.



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		Limassol																					
2	CY51	Limassol Networks (Limassol center, Kato Polemidia lower area, Mesa Geitonia center, Germasogeia center, Agios Athanasios center, Pyrgos Tourist Area, Parekklisia Tourist Area, Agios Tychonas Tourist Area,	460km		2010																		
		Limassol Networks time schedule of NIP 2008	100%	2007	2008	22	+	++															
		Limassol Moni phase A' UWWTP	22,000 m ³ /d		1995			+-+	-														
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6	CY 101,102	Astromeritis, Akaki, Peristerona Networks	59 km 100%	05-2009	08-2011	26	\vdash						-		┼╌			\vdash	_					+	mh	+	-	+++
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7	CY 103	Astromeritis UWWTP (sign of contract: 7/9/2012)	1,770 m ³ /d	10-2012	10-2014	24																						
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9	CY 105,106	Kokkinotrimithia Network	57 km	02/2011	07/2013	30	\Box	\top	\dagger	\dashv	十	\top														1111		
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11	CY109	Lympia Network	30 km	10/2012	09/2014	24	\vdash	+	+	₩	+	₩	Ш	₩	╫	Ш			+++	-							+++	+++
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9	CY 105 106	Kokkinotrimithia Network	57 km	02/2011	07/2013	30	\vdash	+	\vdash		\dashv	+	-	+	+										-		111		+++++
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12	CY 110	Kakopetria -Galata Networks	27,7 km	08-2011	02-2013	18	\vdash		-									_						-		-	-		
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20	CY 407	Athienou Network	39,7 km	12-2009	10-2011	22																							
		Additional LINANACTO	2	0010	0045					Ш																			
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21	CY 410	Xylophagou Network	43.8 km	03-2010	02-2012	23			\vdash	77	\vdash	_		-								+		1		+		++	+
22	CY 408,409	Xylotymvou - Ormidia Networks	47.2 km	06-2010	06-2012	24																							士
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23	CY 301,305	Avgorou - Achna Networks	51.6 km	11-2010	12-2012	24																							
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24	CY 303.302	Liopetri - Sotira Networks	61.3 km	01-2014	11-2015	22	-	-	-	-	-	+	444		4		Ш		1			+					-		
25	CY 302	Sotira (Tourist Area) Network	~16.0 km	04-2014	04-2014	10									\perp														
		Sotira Network [NIP 2008]	42.0	10.0010	00.0044	20			\Box																		1	\Box	\perp
26	CY 304	Phrenaros - Acheritou Networks (sign of contract: 27/8/2012)	43.2 km	10-2012	06-2014	20				-																			
		Phrenaros - Liopetri Networks [NIP 2008]										\Box																	\top
		Achna UWWTP	10,644 m ³ /d	2014	2015	30	-		\vdash		-	+	-	-	-	-	\vdash	-	-		-						_		
27	CY 306	Dherynia Network	45.0 km	09-2011	06-2013	22	-	+	-	_		+				+								-			+	++	+
																													Ш
		Limassol District							\vdash			+++	+				\vdash		1			$+\cdots$				+++		++	
		Rural Agglomerations By Water Development Depart	ment and Mu	nicipalitie	s				-	111		11				+	\vdash	1	1	111	+	1111			***	+++		1	++++
28	CY 501	Kyperounta Network	17,00 km	2001	2001	12																							
	0)/ 500	Its connection to Kyperounta UWWTP Pano Platres Network	300 m ³ /d 8,00 km	1999 1998	2001 1998	36 12																1		+					
29	CY 502	Its connection to Pano Platres UWWTP	300 m ³ /d	2003	2004	24			-										1			1		+					
30	CY 503	Agros Network	17,00 km	2003	2003	12								\exists															
		Its connection to Agros UWWTP	450 m ³ /d	2002	2003	12																							
31	CY 504	Pelendri Network Its connection to Pelendri UWWTP	10,00 km 360 m ³ /d	2005 2006	2005 2008	12 24																-		-					
		its connection to Pelendin OVVVIP	360 m /d	2000	2000	2-7				TT		П		mi				Tim		T					min.				
		Rural Agglomerations By Urban Sewerage Boards										Ш		Ш				Ш	m	Ш						IIII			
		Sewerage Board of Limassol - Amathus (SBLA)								Щ		Ш																Ш	Ш
32	CY507	Episkopi-Limassol (5 Communities) Erimi, Episkopi Networks	62.00 km	2014	2015	36	-	-	-				+				\vdash		+										
		Episkopi timeschedule of NIP 2008																											
33	CY505	Ypsonas Network	79.00 km	2014	2015	36		-	H	44	Щ	ЩΠ		Ш															
34	CY508,506	Ypsonas timeschedule of NIP 2008 Trachoni, Kolossi Network	75.00 km	2014	2015	36	+	+-	\vdash	╫	₩	++																	
		Trachoni, Kolossi timeschedule of NIP 2008							口	Ш	Ш																		
		Episkopi UWWTP	6,000 m ³ /d	2014	2015	36	+	-	\vdash	44	Щ.	##			Щ	Ш			Ш										1111
		Episkopi UWWTP timeschedule of NIP 2008			1	1	+	+-	\vdash	+++	++	##		+++								1	++++	++++		+	1	++++	++++
		Rural Agglomerations By Water Development Depart	ment and Mu								Ш	Щ			ш	Ш			Ш	Щ								ш	ш
35	CY510	Pissouri Network & UWWTP time schedule of NIP 2008 Pissouri Network & UWWTP		2011 2014	2012 2015	24	-	+-	H					-										Щ	ЩП				
				2014	2013		= $+$	\perp	\vdash	##				#					<u> </u>										
111111		Rural Agglomerations By Urban Sewerage Boards																											
		Sewerage Board of Limassol - Amathus (SBLA)			06:17				耳	Щ		Щ		П				Щ											
36	CY511	Pano Polemidia Network Its connection to Limassol West UWWTP	4,00 km 161 m3/d	2014	2015	24	+	+	\vdash	+++	##	+++		₩		+	HH	++++	+++	+++									
37	CY512	Agios Tychonas Center Network	14,50 km	2014	2015	24	= $+$	+-	\vdash	##				#					<u> </u>										
64.00		Its connection to Limassol Moni UWWTP	1.071 m3/d		0617				П	\Box	Ш	Ш		П	Ш			Ш	Ш	Ш							_		
38	CY513	Mouttagiaka Center Network Its connection to Limassol Moni UWWTP	14,50 km 174 m3/d	2014	2015	24	+	+	\vdash	++-	##	##				+	-	+++	\mathbb{H}	+++									
39	CY514	Parekklisia Center Network	33,76 km	2014	2015	28		+	\vdash					#															
MININ	HELLINE TO THE	Its connection to Limassol Moni UWWTP	1.090 m3/d					\perp	\Box	П	П	Щ		П	Щ			Щ		Щ									
40	CY515	Pyrgos Center Network	30,86 km	2014	2015	28			-	444	44	Щ	\mathbf{H}	44	444	44		444	+	444	ЩЦ								

Its connection to Limassol Moni UWWTP

Date: 26	November 2	2012																		-	Γoday	1	Com	the							
0			Size of Project	Constru	ction Year	Duration	:	200	8		200	09		201	10	T	20	11		20)12		direc 2	tive 013		2	2014	1	2	015	<u> </u>
Complex No.	Agglo. ID	Project Description / Implemeting Authority	% completed as at 30/6/2012	Start	End	(months)	1	2 :	3 4	1	2	3 4	1	2	3 4	1	2	3 4	1	2	3	4	1 2	2 3	4	1 2	2 3	4	1 2	3	4
		Paphos District					П	T	Т	ПП	П	П	ПП	П	П	T	Ш	П	ПП	П	П	П	Ш	Т	Ш	П	Ш				
		Rural Agglomerations By Water Development Depar	tment and Mu	nicipalitie	<u>s</u>													Ш			\prod										
41	CY 601	Polis Chrysochous Network		2014	2015									Ш									Ш								
		Polis Chrysochous Network (NIP 2008)	36,3 km	2009	2012	27					Ш	Ш									Ш	Ш	Ш		Ш	Ш	Ш	Щ	Ш	Ш	Щ
		Polis Chrysochous UWWTP (NIP 2008)	3,352 m ³ /d	2009	2012	24		4	-	Ш	Щ		Ш								Ш	Щ	Щ.	4	Ш	Щ		Щ	4	Ш.	Ш
		Rural Agglomerations By Urban Sewerage Boards						+	+		\top			+				+					+	+	Н		+	\top	+	₩	
		Paphos Sewerage Board					\Box	\top	\top	Ш			Ш				Ш				Ш		Ш	\top	111	Ш					П
42	CY602	Pegeia Network	70,0 km	2013	2015	24	П	\top	T	Ш	П		Ш	П	Т	П	Ш	Ш	Ш	т	Ш	Ш	Ш	Т							
		Its connection to new Pegeia and Tala UWWTP	5070 m ³ /d										Ш					Ш		П	П		Ш			П	\Box	П	Ш	\square	П
		Pegeia time schedule of NIP 2008						1			Щ		Ш	\Box			П		П	\blacksquare	Ш										
43	CY603	Empa Network	43.1 km	2009	2012	40	\vdash	-	-										Ш			Н	-	+	₩			$\dashv \vdash$	+	+-	H
	0.000	Its connection to Paphos UWWTP	807 m ³ /d				\vdash	T	_														##	+	т	#	++	T	+++	++	H
		Empa timeschedule of NIP 2008	007 111 70																						Ш		Ш				
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44	CY604	Kissonerga Network	21,1 km	2008	2011	39													+	+	Н	+		+	Н		+++	+		+	H
		Its connection to Paphos UWWTP	946 m ³ /d											П				Ш	т		Ш		Ш	T	\parallel	\Box	1111			Π	П
		Kissonerga timeschedule of NIP 2008			1												Ш	Ш	\top	\top	Ш		\Box		$\parallel \parallel$	111	+	\top	111	\square	
45	CY605	Chlorakas Network	36,9 km	2008	2011	39												Ш	\top	\top	Ш		\Box	T	\Box	$\top\!\!\!\!\top$	\Box			\square	П
		Its connection to Paphos UWWTP	1193 m ³ /d															Ш	т	П	Ш	П	Ш	Т	\prod	Ш		\square	\prod	\prod	П
		Chlorakas timeschedule of NIP 2008						\top	\top	Ш		Ш	Ш	\Box	\top		Ш	Ш	\top	\top	Ш		Ш	T	\Box	\Box				\Box	П
46	CY606	Tala Network	40,0 km	2013	2015	24																									
		Its connection to new Pegeia and Tala UWWTP	5070 m ³ /d																												
		Pegeia time schedule of NIP 2008					П	T	T	\prod			Ш	П			\prod	ПП	П	\prod	Ш										







Implementation - current status

- According to NIP-2008
 - Dates / progress reported in NIP-2008 have not been fully met.
 - There is an increase in the required infrastructure compared to what was anticipated in the Accession Treaty.
- There is a substantial progress in the installation of infrastructure relating to works in all 57 agglomerations.
- According to the data for the year 2010, the overall compliance is 62% (Article 4).



Work to be Done (not including projects under construction)

- Studies/ Design
 - only one left
- Construction of collecting systems
 - Urban: 0
 - Rural: 23 out of 50
- Construction of UWWTPs
 - Urban: 1 out of 9
 - Rural: 7 out of 14



Difficulties in Implementation

- The compliance dates set at the Accession Treaty were based on assumptions and prerequisites as to
 - Communities acceptance of the Projects.
 - Financial availability
- Difficulties encountered
 - Administrative and legislative procedures (time consuming)
 - Objections of Communities
 - Limited human resources
 - Financial constraints



Concluding Remarks

- Cyprus is positive in entering a dialogue with EC that could lead to a Partnership Implementation Agreement regarding the UWWTD.
- Current Financial situation creates major concerns.

