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# Structured Implementation and Information Framework (SIIF) Towards a new EU urban waste water INSPIRE data organisation



European Commission  
Directorate General for the Environment  
unit C.2 - Marine Environment & Water Industry  
Bruno Rakedjian



## CORE OF THE UWWTD REPORTING TABLES

**Reporter/ReportPeriod/Contact/Agglomerations/BigCity  
\_bidDischarger/UWWTPs/UwwtpAgglo/DischargePOints  
/Industrie/MSLevel/UWWTPS\_Add-  
on/Agglomerations\_Add-on/MSLevel\_Add-on**

Will remain as they are for the next reporting exercise  
2016 starting work on INSPIRE compliance for preparation of  
the 10th reporting.

**New ReceivingAreas table** due to shortcomings which  
generate mistakes in the assessment (different dates of  
designation depending from the parameters or deadlines of  
compliance which are not seven year after the date of  
designation)

First draft established in May 2015

Will be used for the 9th reporting exercise prefilled by the  
Commission

## CORE OF THE UWWTD REPORTING TABLES

- **Article 17 tables FLAagglo/FLAUWWTP/InvestmentsJob.**

UWWTP and AGGLOMERATION forward looking aspect tables and SOCIOECONOMIC MS table.

First draft established in May 2015

Will be used for the 9th reporting exercise prefilled by the Commission

- **Eurostat Waste Water Table**

No proposal established yet. Has to be done for the 10th reporting

→ all MS will use the same XML file for the next reportings

# FINALISATION OF INSPIRE HARMONISATION TO BE LAUNCHED IN 2016

Three tables targeted

INSPIRE parameters compulsory to be added under the INSPIRE directive

INSPIRE Agglomeration table

INSPIRE UWWTP table

INSPIRE discharge point table

Proposal of parameters to be added at the end of the tables or in new tables in order not to disturb the existing organisation of data at MS level.

### Addition of new **optional parameters** for **national use** and **interconnection** of data

#### **Creation of new specific tables**

- AGGLO/municipality table (link municipalities and agglomerations)
- UWWTP/municipality table
- AGGLO/water utility table
- UWWTP/water utility table
- AGGLO/Permit table
- UWWTP/Permit table
- Discharge points/Permit table
- Collecting System/Permit table ( for all the industrial discharges in the collecting systems)
- AGGLO/storage tank
- UWWTP/storage tank
- UWWTP/water reuse table
- UWWTP/water and sludge treatment type table
- UWWTP sludge table
- UWWTP waste table
- UWWTP energy table
- UWWTP collecting system table
- Sensitive area/water body (already created under the WFD/protected area register)

...

Some of these tables will be tested under the new phase of the SIIF depending from the interest of MS and SIIF partners.

## QUESTIONS

**IS EACH PROPOSAL**

**PERTINENT?**

**SUFFICIENT?**

**INSPIRE COMPLIANT?**



## Objective

Link agglomeration to the municipality to know the municipalities concerned by this waste water system but also to give opportunities from the waste water website to have access to municipality information

Fieldname	Label/Explanation	Remarks
aggCode	ID of the UWWTD agglomeration	According to coding rules
MSCodeCity	Member State where the LAU2 is located	
LAU2	Use LAU2 Eurostat code	
Date of connection		
Date of disconnection		

There might be several municipalities per agglomeration and several agglomerations per municipality



## Objective

Link the UWWTP to the municipality to know the municipality where the UWWTP is located but also to give opportunities from the waste water website to have access to municipality information

Fieldname	Label/Explanation	Remarks
uwwCode	ID of UWWTP/ collecting system without treatment	
MSCodeCity	Member State where the LAU2 is located	
LAU2	Use LAU2 Eurostat code	
Date of connection		
Date of disconnection		

There might be several municipalities per agglomeration and several agglomerations per municipality



## Objective

Link the agglomeration to the water utility to know the water utility owner(s) of the urban waste water collecting system but also to give opportunities from the waste water website to have access to detailed information on them

Fieldname	Label/Explanation	Remarks
aggCode	ID of the UWWTD agglomeration	According to coding rules
MSCodeUtility	Member State where the water utility is located	
WUCode	National ID code of the water utility	
Date of connection		
Date of disconnection		

There might be several water utilities per agglomeration and several agglomerations per water utility



## Objective

Link the UWWTP to the water utility to know the water utility owner of the UWWTP but also to give opportunities from the waste water website to have access to detailed information on them

Fieldname	Label/Explanation	Remarks
uwwCode	ID of UWWTP/ collecting system without treatment	
MSCodeUtility	Member State where the water utility is located	
WUCode	National ID code of the water utility	
Date of connection		
Date of disconnection		

Normally there is one water utility per treatment but the opportunity is given to have several water utility per UWWTP.



## Objective

Link the UWWTP to the permit associated to give opportunities from the waste water website to have access to detailed information on the permit. A permit content lost of useful information.

Fieldname	Label/Explanation	Remarks
uwwCode	ID of UWWTP/ collecting system without treatment	
PermitCode	National ID code of the permit	
Date of connection		Each time there is a new permit there is a connection to the new one and deconnection to the old one
Date of deconnection		

Normally there is one permit per treatment but the opportunity is given to have several permits per UWWTP.



## Objective

Link the discharge point to the permit associated to give opportunities from the waste water website to have access to detailed information on the permit. A permit content lost of useful information.

Fieldname	Label/Explanation	Remarks
dcpCode	ID of the discharge point	
PermitCode	National ID code of the permit	
Date of connection		Each time there is a new permit there is a connection to the new one and deconnection to the old one
Date of deconnection		Each time there is a new permit there is a connection to the new one and deconnection to the old one

Normally there is one permit per treatment but the opportunity is given to have several permits per UWWTP.





## Objective

Link the Agglomeration to the permit of discharges in collecting systems to give opportunities from the waste water website to have access to detailed information on the permit. A permit content lost of useful information.

Fieldname	Label/Explanation	Remarks
aggCode	ID of the UWWTD agglomeration	According to coding rules
PermitCode	National ID code of the permit	
Date of connection		Each time there is a new permit there is a connection to the new one and deconnection to the old one
Date of deconnection		Each time there is a new permit there is a connection to the new one and deconnection to the old one

Normally there are several permits per collecting system





## Objective

Link the Agglomeration to the storage tanks along collecting systems and provide basic information about them.

Fieldname	Label/Explanation	Remarks
aggCode	ID of the UWWTD agglomeration	According to coding rules
STankCode	National ID code of the storage Tank	
Sname	National name of the storage Tank	
STLatitude	Latitude	
STLongitude	Longitude	
STVolume	Volume of storage	
Date of connection		The date of connection has to be the date of building of the storage tank.
Date of disconnection		The date of disconnection is when the storage tank is no more used

There might be several storage tanks per agglomeration and several agglomerations per water utility



## Objective

Link the UWWTP to the storage tank associated and provide basic information about it.

Fieldname	Label/Explanation	Remarks
uwwCode	ID of UWWTP/ collecting system without treatment	
StCode	National ID code of the storage Tank	
Stname	National name of the storage Tank	
StLatitude	Latitude	
StLongitude	Longitude	
StVolume	Volume of storage	
Date of connection		The date of connection has to be the date of building of the storage tank.
Date of disconnection		The date of disconnection is when the storage tank is no more used

Normally there is one storage tank per UWWTP but the opportunity is given to have several permits per UWWTP.



# Objective

To have more information about water reused from a specific treatment plant

Fieldname	Label/Explanation	Remarks
uwwCode	ID of UWWTP	
UWWTPReusePerc	Rate of treated waste water re-used (% of total volume treated)	Has to be calculated as regards the yearly volume of waste water produces
UWWTPReuseAgri	Re-use of treated waste water in: Agriculture	Y/N
UWWTPReuseInd	Re-use of treated wastewater in: Industry	Y/N
UWWTPReuseOther	Re-use of treated waste water in: Others	Y/N
UWWTPReuseTreatment	Level of treatment of the treated waste water	<b>1:</b> primary, <b>2:</b> secondary, <b>3N:</b> more stringent nitrogen removal, <b>3P:</b> more stringent phosphorus removal, <b>3m:</b> more stringent disinfection, <b>3NP:</b> more stringent nitrogen and phosphorus removal, <b>3Nm:</b> more stringent nitrogen removal and disinfection, <b>3Pm:</b> more stringent phosphorus removal and disinfection, <b>3NPm:</b> more stringent nitrogen and phosphorus removal and disinfection, <b>3other:</b> any other more stringent treatment (please provide an explanation in the Comments case)
UWWTPReusestorage	Volume of treated waste water that could be store in a storage tank before being used	
UWWTPReuseExplain	Re-use of treated waste water: Please explain others	
Date of connection	When the activity has started	
Date of disconnection	When the activity has ended	



# Objective

To have more information about water reused from a specific treatment plant

Fieldname	Label/Explanation	Remarks
uwwCode	ID of UWWTP	
UWWTPReusePerc	Rate of treated waste water re-used (% of total volume treated)	Has to be calculated as regards the yearly volume of waste water produces
UWWTPReuseAgri	Re-use of treated waste water in: Agriculture	Y/N
UWWTPReuseInd	Re-use of treated wastewater in: Industry	Y/N
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UWWTPReuseTreatment	Level of treatment of the treated waste water	<b>1:</b> primary, <b>2:</b> secondary, <b>3N:</b> more stringent nitrogen removal, <b>3P:</b> more stringent phosphorus removal, <b>3m:</b> more stringent disinfection, <b>3NP:</b> more stringent nitrogen and phosphorus removal, <b>3Nm:</b> more stringent nitrogen removal and disinfection, <b>3Pm:</b> more stringent phosphorus removal and disinfection, <b>3NPm:</b> more stringent nitrogen and phosphorus removal and disinfection, <b>3other:</b> any other more stringent treatment (please provide an explanation in the Comments case)
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Date of connection	When the activity has started	
Date of disconnection	When the activity has ended	



## Objective

To have more information about water reused from a specific treatment plant

Fieldname	Label/Explanation	Remarks
uwwCode	ID of UWWTP	
UWWTPmainwatertreatment	Main water treatment type implemented	List has to be established
UWWTPmainsludgetreatment	Main sludge treatment type implemented	List has to be es established

There is one main water treatment type and one main sludge treatment type per treatment plant



## Objective

To have more information about water reused from a specific treatment plant

Fieldname	Label/Explanation	Remarks
uwwCode	ID of UWWTP	
UWWTPotherwatertreatment	other water treatment type implemented	Same list than for the main treatment type table

There might be several water treatment types per treatment plant.



## Objective

To have more information about water reused from a specific treatment plant

Fieldname	Label/Explanation	Remarks
uwwCode	ID of UWWTP	
UWWTPothersludgetreatment	other sludge treatment type implemented	Same list than for the main treatment type table

There might be several sludge treatment types per treatment plant.



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