

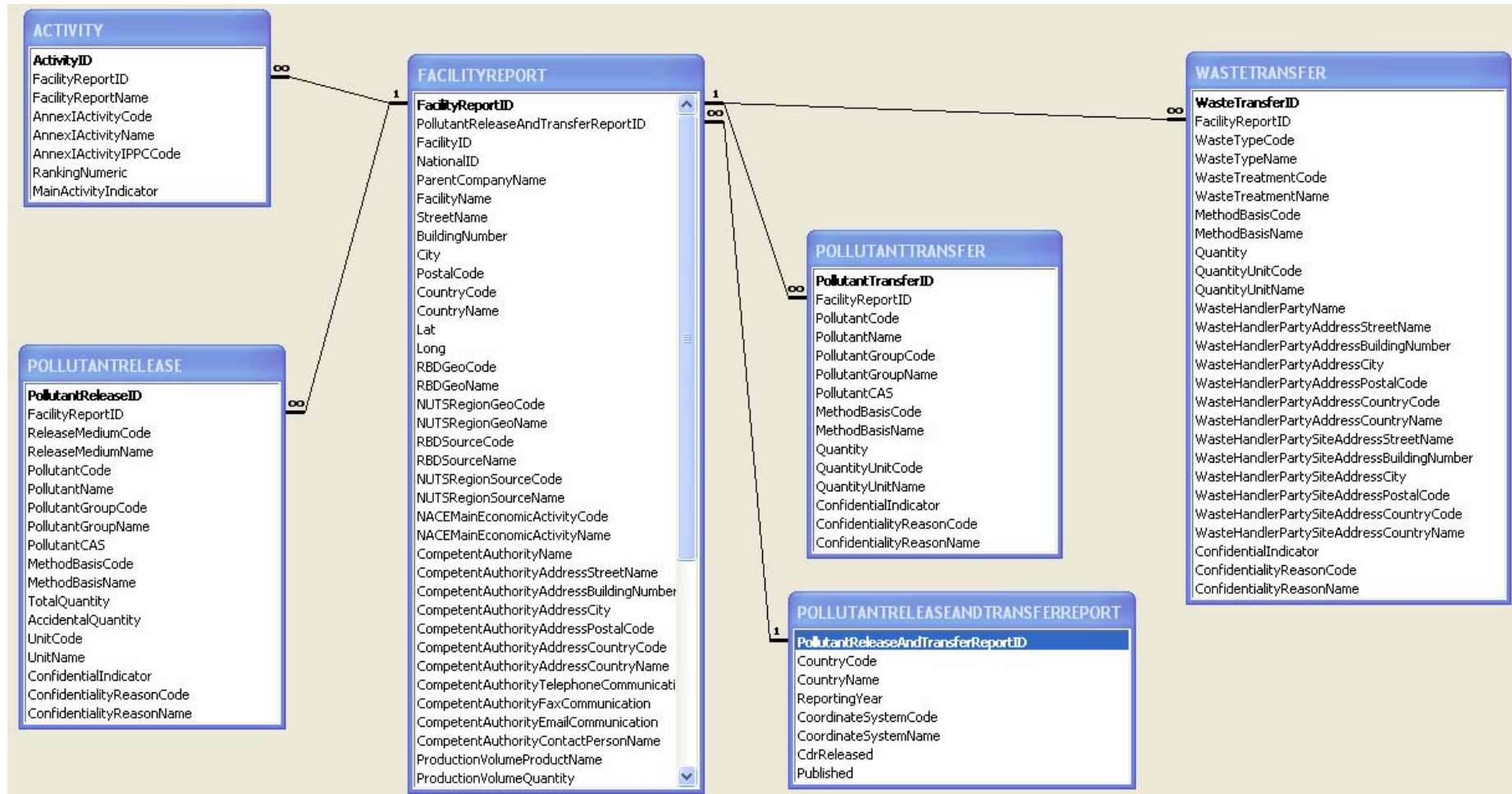
# E-PRTR dataset structure

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# 1. Database structure



## 2. Database tables

The database contains a view of all reported data from all countries with the exception of data below the threshold and the remarks on facility level.

### 2.1. POLLUTANTRELEASEANDTRANSFERREPORT

The *POLLUTANTRELEASEANDTRANSFERREPORT* table holds common information about a report for a given reporting year. If a country has reported more than once then only the most recent report is shown.

The timestamp in the *ForReview* column contains time and date of the latest upload. If the *Published* timestamp is empty it means, that this report has yet to be published on the public web site. Else it contains the time and date of publishing.

**Table 1** **POLLUTANTRELEASEANDTRANSFERREPORT table**

Field	Data type	Description
PollutantReleaseAndTransferReportID	Int	Primary key. Required.
CountryCode	nvarchar(255)	The RS Code reporting. Required.
CountryName	nvarchar(255)	The RS Name reporting. Required.
ReportingYear	Int	The calendar year of which data on releases and transfers must be gathered. Required.
CoordinateSystemCode	nvarchar(255)	The coordinate system code used in reporting of coordinates.
CoordinateSystemName	nvarchar(255)	The coordinate system name used in reporting of coordinates.
CdrReleased	Datetime	The time when the report was released in Reportnet. Required.
Published	Datetime	The time when the report was released to public view

## 2.2. FACILITYREPORT

The FACILITYREPORT table holds the reported data for a given facility as part of a PollutantAndTransferReport for a given reporting year.

A unique E-PRTR identification of a facility is introduced by FacilityID, which is used to hold track of identical facilities across different reporting yeas, even though they might have changed their national identifier.

**Table 2 FACILITYREPORT table**

Field	Data type	Description
FacilityReportID	Int	Primary key. Required.
PollutantReleaseAndTransferReportID	Int	Identifies the report that the facility report is a part of. Required. References table POLLUTANTRELEASEANDTRANSFERREPORT.
FacilityID	Int	Unique identification of the facility. Required.
NationalID	nvarchar(255)	National Identification of the facility. Required.
ParentCompanyName	nvarchar(255)	Name of the parent company, i.e. the company that owns or controls the company operating the facility. Required unless confidentiality is claimed.
FacilityName	nvarchar(255)	Name of the facility (operator or owner).
StreetName	nvarchar(255)	The street name of the facility.
BuildingNumber	nvarchar(255)	The building number of the facility.
City	nvarchar(255)	Name of city, where facility is located
PostalCode	nvarchar(50)	The postal code of the facility.
CountryCode	nvarchar(255)	Country code
CountryName	nvarchar(255)	Country name
Lat	Float	Latitude
Long	Float	Longitude
RBDGeoCode	nvarchar(255)	Identifies the river basin district code computed by geo-coding

<b>Field</b>	<b>Data type</b>	<b>Description</b>
RBDGeoName	nvarchar(255)	Identifies the river basin district name computed by geo-coding
NUTSRegionGeoCode	nvarchar(255)	Identifies the NUTS region code at level 2 computed by geo-coding
NUTSREGIONGeoName	nvarchar(255)	Identifies the NUTS region name at level 2 computed by geo-coding
RBDSourceCode	nvarchar(255)	Identifies the river basin district code as reported by the RS
RBDSourceName	nvarchar(255)	Identifies the river basin district name as reported by the RS
NUTSRegionSourceCode	nvarchar(255)	Identifies the NUTS region code as reported by the RS
NUTSREGIONSourceName	nvarchar(255)	Identifies the NUTS region name as reported by the RS
NACEMainEconomicActivityCode	nvarchar(255)	Main economic activity Code for NACE reported as NACE Code
NACEMainEconomicActivityName	nvarchar(255)	Main economic activity Name for NACE reported as NACE Code
CompetentAuthorityName	nvarchar(255)	Name of competent authority party
CompetentAuthorityAddressStreetName	nvarchar(255)	Street of competent authority party
CompetentAuthorityAddressBuildingNumber	nvarchar(255)	Building number of competent authority party
CompetentAuthorityAddressCity	nvarchar(255)	City of competent authority party
CompetentAuthorityAddressPostalCode	nvarchar(255)	Postal code of competent authority party
CompetentAuthorityAddressCountryCode	nvarchar(255)	Country code of competent authority party
CompetentAuthorityAddressCountryName	nvarchar(255)	Country name of competent authority party
CompetentAuthorityTelefonCommunication	nvarchar(255)	Telephone number of competent authority party
CompetentAuthorityFaxCommunication	nvarchar(255)	Fax number of competent authority party
CompetentAuthorityEmailCommunication	nvarchar(255)	Email of competent authority party
CompetentAuthorityContactPersonName	nvarchar(255)	Contact person at competent authority party

<b>Field</b>	<b>Data type</b>	<b>Description</b>
ProductionVolumeProductName	nvarchar(255)	Name of primary product
ProductionVolumeQuantity	float	Production quantity of primary product
ProductionVolumeUnitCode	nvarchar(255)	Unit code of quantity.
ProductionVolumeUnitName	nvarchar(255)	Unit name of quantity.
TotalIPPCInstallationQuantity	int	The total number of IPPC installations covered by the facility.
OperatingHours	int	The number of operating hours in reporting year
TotalEmployeeQuantity	int	Number of employees.
WebsiteCommunication	nvarchar(255)	The website address of Facility.
PublicInformation	nvarchar(max)	Textual information. Additional information to be published on web site as-is (e.g. e-mail, contact person etc.).
ConfidentialIndicator	bit	Indicates if confidentiality for mandatory data is claimed or not. Required.
ConfidentialityReasonCode	nvarchar(255)	Identifies the reason Code for confidentiality. Required if confidentiality is claimed for mandatory data.
ConfidentialityReasonName	nvarchar(255)	Identifies the reason Name for confidentiality. Required if confidentiality is claimed for mandatory data.
ProtectVoluntaryData	bit	Indicates if voluntary data should be protected or not
MainIASectorCode	nvarchar(255)	Sector Code of main industrial activity
MainIASectorName	nvarchar(255)	Sector Name of main industrial activity
MainIAActivityCode	nvarchar(255)	Activity Code of main industrial activity
MainIAActivityName	nvarchar(255)	Activity Name of main industrial activity
MainIASubActivityCode	nvarchar(255)	Subactivity Code of main industrial activity
MainIASubActivityName	nvarchar(255)	Subactivity Name of main industrial activity

### 2.3. ACTIVITY

This table holds a summary of all industrial activities that a facility is operating with.

**Table 3 ACTIVITY table**

Field	Data type	Description
ActivityID	int	Primary key. Required.
FacilityReportID	nvarchar(255)	Facility report unique identifier. References table FULL_FACILITYREPORT.
FacilityReportName	float	Name of reporting facility
AnnexIActivityCode	nvarchar(255)	Industrial activity code
AnnexIActivityName	nvarchar(255)	Industrial activity name
AnnexIActivityIPPCCode	nvarchar(255)	Industrial activity IPPC code
RankingNumeric	Int	Importance ranking of respective activity
MainActivityIndicator	Bit	Indicator whether this activity is the facilities main activity

### 2.4. POLLUTANTRELEASE

The POLLUTANTRELEASE table holds the reported releases of pollutants for a facility. It covers both releases to air, water and land. This is indicated by the medium selected. Transfers to waste-water are stored in the table POLLUTANTTRANSFER as described later.

**Table 4 POLLUTANTRELEASE table**

Field	Data type	Description
PollutantReleaseID	Int	Primary key. Required.
FacilityReportID	Int	Identifies the facility report that the data belongs to. Required. References table FULL_FACILITYREPORT.
ReleaseMediumCode	nvarchar(255)	Identifies the environmental medium (air, water etc) code.
ReleaseMediumName	Nvarchar(255)	Identifies the environmental medium name.
PollutantCode	Nvarchar(255)	Identifies pollutant code
PollutantName	Nvarchar(255)	Identifies pollutant name



<b>Field</b>	<b>Data type</b>	<b>Description</b>
PollutantGroupCode	Nvarchar(255)	Identifies pollutant group code
PollutantGroupName	Nvarchar(255)	Identifies pollutant group name
PollutantCAS	Nvarchar(255)	Pollutant CAS description
MethodBasisCode	Nvarchar(255)	Identifies the method basis code of the main method used (M/C/E).
MethodBasisName	Nvarchar(255)	Identifies the method basis name of the main method used.
TotalQuantity	Float	Total quantity including accidental quantity [t/year].
AccidentalQuantity	Float	Accidental quantity [t/year].
UnitCode	Nvarchar(255)	Identifies the unit code of the quantity
UnitName	Nvarchar(255)	Identifies the unit name of the quantity
ConfidentialIndicator	Bit	Indicates if confidentiality is claimed. Required.
ConfidentialityReasonCode	Nvarchar(255)	Identifies the reason code for confidentiality. Required if confidentiality is claimed for mandatory data.
ConfidentialityReasonName	Nvarchar(255)	Identifies the reason name for confidentiality. Required if confidentiality is claimed for mandatory data.
RemarkText	Nvarchar(max)	Textual remark, e.g. elaboration on the reason for confidentiality.

## 2.5. POLLUTANTRELEASEMETHODUSED

The POLLUTANTRELEASEMETHODUSED table holds a list of methods used for measuring quantities of pollutant releases.

**Table 5 POLLUTANTRELEASEMETHODUSED table**

Field	Data type	Description
PollutantReleaseMethodUsedID	Int	Primary key. Required.
PollutantReleaseID	Int	Identifies the pollutant report that the data belongs to. Required. References table FULL_POLLUTANTRELEASE.
MethodTypeCode	nvarchar(255)	Identifies the method type code
MethodTypeName	Nvarchar(255)	Identifies the method type name
MethodDesignation	Nvarchar(255)	Identifies the method designation

## 2.6. POLLUTANTTRANSFER

The POLLUTANTTRANSFER table holds all reported pollutant transfers for a facility. This covers all releases into waste-water.

**Table 6 POLLUTANTTRANSFER table**

Field	Data type	Description
PollutantTransferID	Int	Primary key. Required.
FacilityReportID	Int	Identifies the facility report that the data belongs to. Required. References table FULL_FACILITYREPORT.
PollutantCode	Nvarchar(255)	Identifies pollutant code
PollutantName	Nvarchar(255)	Identifies pollutant name
PollutantGroupCode	Nvarchar(255)	Identifies pollutant group code
PollutantGroupName	Nvarchar(255)	Identifies pollutant group name
PollutantCAS	Nvarchar(255)	Pollutant CAS description
MethodBasisCode	Nvarchar(255)	Identifies the method basis code of the main method used (M/C/E).
MethodBasisName	Nvarchar(255)	Identifies the method basis name of the main method used.
Quantity	Float	Total quantity of reported pollutant [t/year]

Field	Data type	Description
QuantityUnitCode	Nvarchar(255)	Identifies the unit code of the quantity
QuantityUnitName	Nvarchar(255)	Identifies the unit name of the quantity
ConfidentialIndicator	Bit	Indicates if confidentiality is claimed. Required.
ConfidentialityReasonCode	Nvarchar(255)	Identifies the reason code for confidentiality. Required if confidentiality is claimed for mandatory data.
ConfidentialityReasonName	Nvarchar(255)	Identifies the reason name for confidentiality. Required if confidentiality is claimed for mandatory data.

## 2.7. POLLUTANTTRANSFERMETHODUSED

The POLLUTANTTRANSFERMETHODUSED table holds a list of methods used for measuring quantities of pollutant transfers.

**Table 7 POLLUTANTTRANSFERMETHODUSED table**

Field	Data type	Description
PollutantTransferMethodUse dID	Int	Primary key. Required.
PollutantTransferID	Int	Identifies the pollutant report that the data belongs to. Required. References table FULL_POLLUTANTTRANSFER
MethodTypeCode	nvarchar(255)	Identifies the method type code
MethodTypeName	Nvarchar(255)	Identifies the method type name
MethodDesignation	Nvarchar(255)	Identifies the method designation

## 2.8. WASTETRANSFER

The WASTETRANSFER table holds the reported data on off-site transfers of waste for a facility, except transfers of pollutants in waste-water, which is stored in the PollutantTransfer table. As for pollutants more than one method could be used for determination of the quantity.

Data classified as confidential are included in this table and will be shown either with the reported value by the RS or as NULL value. Voluntarily reported waste transfers with values below threshold are also included in the table.

**Table 8 WASTETRANSFER table**

Field	Data type	Description
WasteTransferID	Int	Primary key. Required.
FacilityReportID	Int	Identifies the facility report that the data belongs to. Required. References table FULL_FACILITYREPORT.
WasteTypeCode	Nvarchar(255)	Identifies the type of waste code (NON-HW, HWIC, HWOC etc.). Required.
WasteTypeName	Nvarchar(255)	Identifies the waste type name (non hazardous, hazardous within country etc.).
WasteTreatmentCode	Nvarchar(255)	Identifies the waste treatment code (R, D). Required unless confidentiality is claimed.
WasteTreatmentName	Nvarchar(255)	Identifies the waste treatment operation name (recovery or disposal).
MethodBasisCode	Nvarchar(255)	Identifies the basis code of the main method used (M/C/E). Required unless confidentiality is claimed.
MethodBasisName	Nvarchar(255)	Identifies the basis name of the main method used.
Quantity	Float	Quantity [t/year] Required unless confidentiality is claimed.
QuantityUnitCode	Nvarchar(255)	Identifies the unit code of the quantity (Must correspond to ton) Required unless confidentiality is claimed.
QuantityUnitName	Nvarchar(255)	Identifies the unit name of the quantity.
WasteHandlerPartyName	Nvarchar(255)	Identifies the recoverer/disposer of the waste. Required for transfer of hazardous waste outside the country unless confidentiality is claimed.
WasteHandlerPartyAddressStreetName	Nvarchar(255)	The street name of the WHP

<b>Field</b>	<b>Data type</b>	<b>Description</b>
WasteHandlerPartyAddressBuildingNumber	Nvarchar(255)	The building number of the WHP
WasteHandlerPartyAddressCity	Nvarchar(255)	Name of city, where WHP is located
WasteHandlerPartyAddressPostalCode	Nvarchar(50)	The postal code of the WHP
WasteHandlerPartyAddressCountryCode	Nvarchar(255)	Country code of WHP
WasteHandlerPartyAddressCountryName	Nvarchar(255)	Country name of WHP
WasteHandlerPartySiteAddressStreetName	Nvarchar(255)	Site street name of the WHP
WasteHandlerPartySiteAddressBuildingNumber	Nvarchar(255)	Site building number of the WHP
WasteHandlerPartySiteAddressCity	Nvarchar(255)	Name of city, where WHP site is located
WasteHandlerPartySiteAddressPostalCode	Nvarchar(50)	The postal code of the WHP site
WasteHandlerPartySiteAddressCountryCode	Nvarchar(255)	Country code of WHP site
WasteHandlerPartySiteAddressCountryName	Nvarchar(255)	Country name of WHP site
ConfidentialIndicator	Bit	Indicates if confidentiality is claimed. Required.
ConfidentialityReasonCode	Nvarchar(255)	Identifies the reason code for confidentiality. Required if confidentiality is claimed.
ConfidentialityReasonName	Nvarchar(255)	Identifies the reason name for confidentiality.

## 2.9. WASTETRANSFERMETHODUSED

The table WASTETRANSFERMETHODUSED holds a list of methods used for measuring waste quantities.

**Table 9 WASTETRANSFERMETHODUSED table**

Field	Data type	Description
WasteTransferMethodUsed ID	Int	Primary key. Required.
WasteTransferID	Int	Identifies the waste transfer report that the data belongs to. Required. References table WASTETRANSFER
MethodTypeCode	nvarchar(255)	Identifies the method type code
MethodTypeName	Nvarchar(255)	Identifies the method type name
MethodDesignation	Nvarchar(255)	Identifies the method designation

## 3. General info

### 3.1. Reporting format

The reporting format used by countries for the datasubmissions is provided on the following Eionet page: <http://www.eionet.europa.eu/schemas/eprtr>.

### 3.2. Code lists and threshold values

The data reported by countries has to comply with a number of code lists which are available on the following Eionet webpage:

<http://www.eionet.europa.eu/schemas/eprtr/listOfValues>. The codes used in the downloadable database are therefore in line with these code lists.

The lists with thresholds for reporting are also provided on the above Eionet webpage.

### 3.3. Bit data

With regards to data with the Bit data type -1 = 1 and 0 = 0. E.g. the confidentiality indicators are "-1" instead of "1", meaning confidential. This is Microsoft Access' way of handling data with the Bit data type (only -1 and 0 are valid values).