

NPRI Database Structure

The following tables provide a breakdown of the structures of the fields within each of the NPRI MS Excel Spreadsheets and the MS Access database tables. The spreadsheets and tables included are:

- Address
- Chemcode
- Comments
- Contacts
- CSI2Code
- CSICCode
- Facility
- NAI2Code
- NAI4Code
- NAI6Code
- OffSites
- Other_ID
- ProvCode
- SDPeriod
- Stacks
- StatCode
- Streams
- SubsDisp
- SubsFlag
- SubsRele
- Substran

- All tables are constructed in the following manner:

Column 1 - (Field Name) provides the name of the field (column title) in the database table

Column 2 – (Type) identifies if the field is a text, number or Yes/No field

Column 3 – (Width) provides the number of characters that can fit into each field

Column 4 – (English Field Description) provides a description of the field identified in Column 1

Column 5 – (First year new fields....) provides the user with the year the field in question was added. If no year is indicated, the field has always been present. In cases where a field was added in a certain year, the field will still appear in the previous year's database files however there will be no data present.

- To facilitate performing queries on the data, the two most common fields for linking tables are "NPRI_ID" and "CAS_Number".

ENGLISH 2003 NPRI DATABASE STRUCTURE

| Table Name | Field Name | Type | Width | English Field Description | First year new fields were added to the Reporting Software |
|------------|------------|------|-------|---------------------------|--|
|------------|------------|------|-------|---------------------------|--|

| Address | | | | | |
|--------------------------|--------|-------|---|--|--|
| Field Name | Type | Width | English Field Description | First year new fields were added to the Reporting Software | |
| ReportYear | Text | 4 | The NPRI data reporting year. | | |
| NPRI_ID | Text | 10 | An assigned unique 10 digit number. | | |
| IDENTITY of ADDRESS TYPE | | | | | |
| Addr_Type | Text | 3 | Address Identifier Codes: FAC - Facility Address MED - Public Contact Address TEC - Technical Contact Address PAR - Parent Company address | | |
| Addr_Code | Number | 2 | A 2-digit code is assigned for each off-site/ Parent Company which is specific for each individual NPRI ID (i.e. the same code is used more than once but not for the same NPRI ID)(this code is equivalent to the Tran_Code in the Substran.mdb table) | | |
| D_B_DUNS | Text | 9 | Dun & Bradstreet (D-U-N-S) Number | 1999 | |
| Business | Text | 9 | Business Number | 2003 | |
| Percentage | Number | 3 | % of ownership (only completed for parent companies). | | |
| Canadian | Text | 1 | Is this a Canadian address? Y / N | 1996 | |
| Comp_Name | Text | 60 | Name of Company, Parent Company, Off-site or MSTP. | 1996 | |
| Faci_Name | Text | 60 | Name of Facility. | 1996 | |
| ADDRESS | | | | | |
| Rural_Addr | Text | 1 | Is this a rural address? 'Y' or '' | | |
| Address1 | Text | 40 | Address Line 1 | 1996 | |
| Address2 | Text | 40 | Address Line 2 | 1996 | |
| City | Text | 40 | City Name | | |
| Prov_State | Text | 2 | Province or state | 1996 | |
| Postal_Zip | Text | 40 | Postal code or zip code | 1996 | |
| Country | Text | 40 | Country | | |

| ChemCode | | | | | |
|------------|------|-------|---|--|--|
| Field Name | Type | Width | English Field Description | First year new fields were added to the Reporting Software | |
| ReportYear | Text | 4 | The NPRI data reporting year | | |
| CAS_Number | Text | 11 | List of Chemical Abstracts Service Registry Numbers identifying each specific substance. | | |
| Units | Text | 9 | This field displays the units of measure. The software determines what units will be used once a substance has been selected. | 2000 | |
| NPRI | Text | 1 | Is this a NPRI substance? | | |
| EPA | Text | 1 | Is this an EPA substance? 'Y' or '' | | |
| MOE | Text | 2 | Is this an MOE substance? Type will be identified. | | |
| NERM | Text | 1 | Is this a NERM substance? 'Y' or '' | | |
| AENV | Text | 1 | Is this an AENV substance? 'Y' or '' | | |
| Metal | Text | 1 | | | |
| Cepa_tox | Text | 1 | | | |
| Iarc | Text | 1 | | | |
| Tox_carc | Text | 1 | | | |
| ACID | Text | 1 | Is the substance an acid? | | |
| CAC | Text | 1 | Is this substance a Criteria Air Contaminant (CAC)? | 2002 | |
| PAH | Text | 1 | Is this a polycyclic aromatic hydrocarbon? | 2000 | |
| D_F | Text | 1 | Is this substance a polychlorinated dibenzo-p-dioxin or polychlorinated dibenzofuran? | 2002 | |
| HCB | Text | 1 | Is this substance hexachlorobenzene? | 2000 | |
| VOC | Text | 1 | Is this a VOC substance? 'A,B,C' or '' | | |
| VOC_ALL | Text | 1 | | | |
| EPA_Prgs | Text | 55 | Substance belongs to the following EPA agreements. | | |
| Sort_E | Text | 40 | English Character Sort Sequence | | |

ENGLISH 2003 NPRI DATABASE STRUCTURE

| | | | | |
|--------|------|----|--------------------------------|--|
| Chem_E | Text | 40 | English Substance Description | |
| Sort_F | Text | 40 | French Character Sort Sequence | |
| Chem_F | Text | 40 | French Substance Description | |

Comments

| Field Name | Type | Width | English Field Description | First year new fields were added to the Reporting Software |
|------------|------|-------|---|--|
| ReportYear | Text | 4 | The NPRI data reporting year. | |
| NPRI_ID | Text | 10 | An assigned unique 10 digit number. | |
| CAS_Number | Text | 11 | Chemical Abstract Service (CAS) Registry number (completed for comments related to substances only). | |
| Comm_Type | Text | 3 | Comment Type Identifier: FAC - Facility Comments PP2 - Pollution Prevention Activity Comments for the entire facility SDP - Shut down period comments REL - Release Comments VOC - VOC speciation comments DIS - Disposal Comments OFF - Offsite Transfer Comments REC - Recycling Comments P2A - Materials or Feedstock Substitution comments P2B - Product Design or Reformulation comments P2C - Equipment or Process Modifications comments P2D - Spill and Leak Prevention comments P2E - On-site Recovery, Re-use or Recycling comments P2F - Inventory Management or Purchasing Techniques comments P2G - Good Operating Practice or Training comments PPA - Pollution Prevention Comments | |
| Line_1 | Text | 75 | Maximum of 750 characters or 10 lines of comments in a memo format. | |
| Line_2 | Text | 75 | | |
| Line_3 | Text | 75 | | |
| Line_4 | Text | 75 | | |
| Line_5 | Text | 75 | | |
| Line_6 | Text | 75 | | |
| Line_7 | Text | 75 | | |
| Line_8 | Text | 75 | | |
| Line_9 | Text | 75 | | |
| Line_10 | Text | 75 | | |

Contacts

| Field Name | Type | Width | English Field Description | First year new fields were added to the Reporting Software |
|------------|--------|-------|--|--|
| ReportYear | Text | 4 | The NPRI data reporting year. | |
| NPRI_ID | Text | 10 | An assigned unique 10 digit number. | |
| Cont_Type | Text | 3 | MED - Public Contact Address | |
| | | | TEC - Technical Contact Address | |
| | | | FACILITY CONTACT | |
| Title | Text | 4 | Title: {Blank} Dr. M. Mr. Miss Mlle Mme Ms. Mrs. M. | |
| Name_First | Text | 60 | First Name and/or Initials | |
| Name_Last | Text | 60 | Last Name | |
| C_Position | Text | 60 | Position | |
| Voice_Area | Text | 3 | Telephone Number Area Code | |
| Voice_Numb | Text | 7 | Telephone Number | |
| Voice_Exte | Text | 6 | Telephone Extension | |
| Fax_Area | Text | 3 | Fax Number Area Code | |
| Fax_Numb | Text | 7 | Fax Number | |
| Email | Text | 60 | Email Address | |
| Address | Yes/No | 1 | Is there a separate mailing address from the facility address? | |

CSI2Code

ENGLISH 2003 NPRI DATABASE STRUCTURE

| Field Name | Type | Width | English Field Description | First year new fields were added to the Reporting Software |
|------------|------|-------|--|--|
| CSI2_Code | Text | 2 | List of 2 digit Standard Industrial Classification Codes identifying the types of businesses and industries. | |
| CSI2_DescE | Text | 80 | English Description | |
| CSI2_DescF | Text | 80 | French Description | |

| CSICCode | | | | |
|------------|------|-------|---|--|
| Field Name | Type | Width | English Field Description | First year new fields were added to the Reporting Software |
| CSIC_Code | Text | 4 | Canadian list of 4 digit Standard Industrial Classification Codes (SIC) identifying the types of businesses and industries. | |
| ASIC_Code | Text | 4 | The corresponding American 4 digit Standard Industrial Classification Codes identifying the type of business or industry. | |
| Fit | Text | 1 | A "*" indicates that a Canadian SIC Codes falls under more than one American SIC Code and/or vice versa. | |
| CSIC_DescE | Text | 40 | Canadian English SIC Description | |
| ASIC_DescE | Text | 40 | American English SIC Description | |
| CSIC_DescF | Text | 40 | Canadian French SIC Description | |
| ASIC_DescF | Text | 40 | American French SIC Description | |

| Facility | | | | |
|--|--------|----|--|------|
| ReportYear | Text | 4 | The NPRI data reporting year. | |
| NPRI_ID | Text | 10 | An assigned unique 10 digit number. | |
| FACILITY IDENTIFICATION | | | | |
| LanguageEF | Text | 1 | Language of submission E)nglish, F)rench | 1995 |
| Comp_Name | Text | 60 | The name of the reporting company. | |
| Faci_Name | Text | 60 | The name of the reporting facility. | |
| URL_Addres | Text | 80 | Company web-site address (http://Xxxxx) | |
| D_B_DUNS | Text | 9 | Dun & Bradstreet (D-U-N-S) Number | 1999 |
| Business | Text | 9 | Business Number | |
| City | Text | 40 | The city where the facility is located. | |
| Province | Text | 2 | The province/territory of the facility. | |
| Prov_ID | Text | 10 | Provincial ID for either: Facilities in 'ON': ON MOE (10 digits) or Facilities in 'AB': Alberta Approval # (8 digits) | |
| Cont_MED | Yes/No | 1 | MED - Public Contact Address | |
| Cont_TEC | Yes/No | 1 | TEC - Technical Contact Address | |
| STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODES | | | | |
| CN_S12 | Text | 2 | 2 Digit Canadian SIC Code | 1995 |
| CN_SIC | Text | 4 | 4 Digit Canadian SIC Code | |
| US_SIC | Text | 4 | 4 Digit Amercian SIC Code | |
| NORTH AMERICAN INDUSTRIAL CLASSIFICATION SYSTEM (NAICS) CODE | | | | |
| NAICS_2 | Text | 5 | 2 Digit NAICS Code | 1998 |
| NAICS_4 | Text | 4 | 4 Digit NAICS Code | 1998 |
| NAICS_6 | Text | 6 | 6 Digit NAICS Code | 1998 |
| ACTIVITIES FOR WHICH THE 20 000 HOUR EMPLOYEE THRESHOLD DOES NOT APPLY | | | | |
| Employees | Number | 6 | Number of Full Time Employees at the facility | |
| Was the facility used for: | | | | |
| R_Used_A | Yes/No | 1 | Non-hazardous solid waste incineration (>=100 tonnes/year) | 2000 |
| R_Used_B | Yes/No | 1 | Biomedical or hospital waste incineration (>=100 tonnes/year) | 2000 |
| R_Used_C | Yes/No | 1 | Hazardous waste incineration | 2000 |
| R_Used_D | Yes/No | 1 | Sewage sludge incineration | 2000 |
| R_Used_E | Yes/No | 1 | Wood preservation | 2000 |
| R_Used_F | Yes/No | 1 | Terminal Operations | 2000 |
| R_Used_G | Yes/No | | Discharge of treated or untreated wastewater (>= 10,000 m3/day) | 2002 |
| R_Used_H | Yes/No | | None of the above | 2002 |

ENGLISH 2003 NPRI DATABASE STRUCTURE

| ACTIVITIES RELEVANT TO REPORTING DIOXINS/FURANS AND HEXACHLOROBENZENE | | | | |
|---|--------|---|---|------|
| Was the facility engaged in: | | | | |
| R_Enga_A | Yes/No | 1 | Non-hazardous solid waste incineration (>=100 tonnes/year) | 2000 |
| R_Enga_B | Yes/No | 1 | Biomedical or hospital waste incineration (>=100 tonnes/year) | 2000 |
| R_Enga_C | Yes/No | 1 | Hazardous waste incineration | 2000 |
| R_Enga_D | Yes/No | 1 | Sewage sludge incineration | 2000 |
| R_Enga_E | Yes/No | 1 | Base metals smelting (including copper, lead, nickel, and zinc) | 2000 |
| R_Enga_F | Yes/No | 1 | Smelting of secondary lead | 2000 |
| R_Enga_G | Yes/No | 1 | Smelting of secondary aluminum | 2000 |
| R_Enga_H | Yes/No | 1 | Manufacturing of iron using a sintering process | 2000 |
| R_Enga_I | Yes/No | 1 | Operation of electric arc furnaces in steel manufacturing | 2000 |
| R_Enga_J | Yes/No | 1 | Operation of electric arc furnaces in steel foundries | 2000 |
| R_Enga_K | Yes/No | 1 | Production of magnesium | 2000 |
| R_Enga_L | Yes/No | 1 | Manufacturing of Portland cement | 2000 |
| R_Enga_M | Yes/No | 1 | Production of chlorinated organic solvents or monomers | 2000 |
| R_Enga_N | Yes/No | 1 | Combustion of fossil fuel in a boiler unit to produce electricity (>=25 MW) | 2000 |
| R_Enga_O | Yes/No | 1 | Combustion of salt laden logs in pulp and paper sector | 2000 |
| R_Enga_P | Yes/No | 1 | Combustion of fuel in kraft liquor boilers in pulp and paper sector | 2000 |
| R_Enga_Q | Yes/No | 1 | None of the above | 2000 |
| R_Enga_R | Yes/No | | | 2002 |
| ACTIVITY RELEVANT TO THE REPORTING OF PAHs | | | | |
| Wood_Creo | Yes/No | 1 | Was the facility used for wood preservation using creosote? | 2000 |
| CRITERIA AIR CONTAMINANTS | | | | |
| CACS | Yes/No | 1 | Are you required to report for one or more criteria air contaminants? | |
| FACILITY OPERATION SCHEDULE (TEMPORAL VARIATION) | | | | |
| Days of Operation | | | | |
| Days_Sun | Yes/No | 1 | Sunday | |
| Days_Mon | Yes/No | 1 | Monday | |
| Days_Tue | Yes/No | 1 | Tuesday | |
| Days_Wed | Yes/No | 1 | Wednesday | |
| Days_Thu | Yes/No | 1 | Thursday | |
| Days_Fri | Yes/No | 1 | Friday | |
| Days_Sat | Yes/No | 1 | Saturday | |
| Hours of Operation | | | | |
| Hours_24 | Yes/No | 1 | 24 hours / day | |
| Hours_16 | Yes/No | 1 | 16 hours / day | |
| Hours_8 | Yes/No | 1 | 8 hours / day | |
| Hours_Oth | Yes/No | 1 | Other | |
| Hours_Ave | Text | 5 | Average total daily hours of operation (99:99 HH:MM) | |
| Start_Time | Text | 5 | Daily start time of operation | |
| POLLUTION PREVENTION | | | | |
| PP_Plan | Yes/No | 1 | Did your facility prepare or implement any pollution prevention plans? If so, | |
| PP_CEPA | Yes/No | 1 | a) were any pollution prevention plans required by notice under the Canadian Environmental Protection Act, 1999? | |
| PP_Othe | Yes/No | 1 | b) were any pollution prevention plans prepared or implemented for another government or under another Act of Parliament? | |
| PP_Volu | Yes/No | 1 | c) were any pollution prevention plans prepared or implemented on a voluntary basis? | |
| COMMENTS | | | | |
| Comm_Fac | Yes/No | 1 | Are there any comments on the facility? | |
| Comm_PP2 | Yes/No | 1 | Are there any comments on the pollution prevention activities for the facility? | 1997 |
| Comm_SDP | Yes/No | 1 | Are there any Shut Down Period comments? | |
| ALBERTA ENVIRONMENT APPROVAL REPORTING | | | | |
| AENV_App | | | Are you reporting for an Alberta Approval? | |
| | | | | |
| OTHER | | | | |

ENGLISH 2003 NPRI DATABASE STRUCTURE

| | | | | |
|----------------------|--------|---|---|------|
| Parent | Text | 1 | Are there parent companies identified? (where a parent company is the highest level of company or group of companies that directly control the facility) | |
| C_Parents | Number | 2 | Number of identified Parent Companies. | 1996 |
| SDPeriod | Yes/No | 1 | Was the facility ever shut down (one week or longer)? | |
| C_SDPeriod | Number | 2 | Number of Shut Down Periods. | |
| Other_ID | Text | 1 | Are there other regulations or permits for the facility? | |
| C_Other_ID | Number | 2 | Number of other regulations or permits. | |
| WASTE SENT TO | | | | |
| Stacks | Yes/No | 1 | Is the facility sending waste out of Stacks? | |
| C_Stacks | Number | 2 | Number of Stacks | |
| Streams | Yes/No | 1 | Is the facility sending waste into water streams? | |
| C_Streams | Number | 2 | Number of identified Streams. | |
| Off_Sites | Yes/No | 1 | Is the facility sending waste Off Site? | |
| C_OffSites | Number | 2 | Number of identified Off-sites. | |

| NAI2Code | | | | | |
|-----------------|------------|------|-------|---|--|
| | Field Name | Type | Width | English Field Description | First year new fields were added to the Reporting Software |
| | NAICS_Code | Text | 5 | List of 2 digit North American Industrial Classification System Codes identifying the types of businesses and industries. | 1998 |
| | | | | | |
| | NAICS_E | Text | 50 | English Description | 1998 |
| | NAICS_F | Text | 50 | French Description | 1998 |

| NAI4Code | | | | | |
|-----------------|------------|------|-------|---|--|
| | Field Name | Type | Width | English Field Description | First year new fields were added to the Reporting Software |
| | NAICS_Code | Text | 4 | List of 4 digit North American Industrial Classification System Codes identifying the types of businesses and industries. | 1998 |
| | | | | | |
| | NAICS_E | Text | 50 | English Description | 1998 |
| | NAICS_F | Text | 50 | French Description | 1998 |

| NAI6Code | | | | | |
|-----------------|------------|------|-------|---|--|
| | Field Name | Type | Width | English Field Description | First year new fields were added to the Reporting Software |
| | NAICS_Code | Text | 6 | List of 2 digit North American Industrial Classification System Codes identifying the types of businesses and industries. | 1998 |
| | | | | | |
| | NAICS_E | Text | 50 | English Description | 1998 |
| | NAICS_F | Text | 50 | French Description | 1998 |

| OffSites | | | | | |
|-----------------|------------|--------|-------|--|--|
| | Field Name | Type | Width | English Field Description | First year new fields were added to the Reporting Software |
| | ReportYear | Text | 4 | The NPRI data reporting year. | 2000 |
| | NPRI_ID | Text | 10 | | |
| | OffS_Code | Text | 5 | A unique Off-site facility code | 2000 |
| | OffS_Name | Text | 60 | Name of the Off-site facility | 2000 |
| | | | | | |
| | Canadian | Yes/No | 1 | Is this a Canadian address? Y / N | 2000 |
| | | | | | |
| | Address1 | Text | 40 | Address Line 1 | 2000 |
| | Address2 | Text | 40 | Address Line 2 | 2000 |
| | City | Text | 40 | City name of the Off-site facility | 2000 |
| | Prov_State | Text | 2 | Province or state of the Off-site facility | 2000 |
| | Postal_Zip | Text | 40 | Postal code or zip code of the Off-site facility | 2000 |
| | Country | Text | 40 | Country of the Off-site facility | 2000 |
| | F_NPRI_ID | Text | 10 | Link into the facility table | 2002 |

| Other-ID | | | | | |
|-----------------|------------|------|-------|-------------------------------------|--|
| | Field Name | Type | Width | English Field Description | First year new fields were added to the Reporting Software |
| | ReportYear | Text | 4 | The NPRI data reporting year. | |
| | NPRI_ID | Text | 10 | An assigned unique 10 digit number. | |

ENGLISH 2003 NPRI DATABASE STRUCTURE

| | | | IDENTIFICATION OF OTHER REGULATIONS or PERMITS | |
|-----------|------|-----|---|--|
| ID_Number | Text | 15 | Identification Number or Permit Number | |
| Program | Text | 120 | Government Department, Agency, or Program Name | |

| ProvCode | | | | | |
|----------|------------|------|-------|------------------------------------|--|
| | Field Name | Type | Width | English Field Description | First year new fields were added to the Reporting Software |
| | Prov_Code | Text | 2 | List of 2 character Province Codes | |
| | Prov_NameE | Text | 30 | English Description | |
| | Prov_NameF | Text | 30 | French Description | |

| SDPeriod | | | | | |
|----------|------------|------|-------|-------------------------------------|--|
| | Field Name | Type | Width | English Field Description | First year new fields were added to the Reporting Software |
| | REPORTYEAR | Text | 4 | The NPRI data reporting year. | 2002 |
| | NPRI_ID | Text | 10 | An assigned unique 10 digit number. | 2002 |
| | Start_Date | Text | 10 | Start date of shutdown period | 2002 |
| | End_Date | Text | 10 | End date of shutdown period | 2002 |

| Stacks | | | | | |
|--------|------------|--------|-------|-------------------------------------|--|
| | Field Name | Type | Width | English Field Description | First year new fields were added to the Reporting Software |
| | REPORTYEAR | Text | 4 | The NPRI data reporting year. | 2002 |
| | NPRI_ID | Text | 10 | An assigned unique 10 digit number. | 2002 |
| | STAC_CODE | Text | 5 | An assigned unique 5 digit number | 2002 |
| | NAME | Text | 60 | How stack is identified at facility | 2002 |
| | HEIGHT | Number | 6, 2 | Height of stack above grade (m) | 2002 |
| | DIAMETER | Number | 5, 2 | Equivalent diameter of stack (m) | 2002 |
| | EXIT_VELO | Number | 5, 1 | Average exit velocity (m/s) | 2002 |
| | EXIT_TEMP | Number | 4 | Average exit temperature (°C) | 2002 |
| | LATITUDE | Text | 6 | Latitude of stack (optional) | 2002 |
| | LONGITUDE | Text | 7 | Longitude of stack (optional) | 2002 |

| StatCode | | | | | |
|----------|------------|------|-------|---------------------------------|--|
| | Field Name | Type | Width | English Field Description | First year new fields were added to the Reporting Software |
| | Stat_Code | Text | 2 | List of 2 character State Codes | |
| | Stat_NameE | Text | 30 | English Description | |
| | Stat_NameF | Text | 30 | French Description | |

| Streams | | | | | |
|---------|------------|------|-------|--|--|
| | Field Name | Type | Width | English Field Description | First year new fields were added to the Reporting Software |
| | ReportYear | Text | 4 | The NPRI data reporting year. | |
| | NPRI_ID | Text | 10 | | |
| | Wate_Code | Text | 5 | A unique surface water body code | |
| | Wate_Prov | Text | 2 | The province of the surface water body | |
| | Wate_NameE | Text | 50 | Name of the surface water body (English) | |
| | Wate_NameF | Text | 50 | Name of the surface water body (French) | |

| SubsDisp | | | | | |
|----------|------------|--------|-------|--|--|
| | Field Name | Type | Width | English Field Description | First year new fields were added to the Reporting Software |
| | ReportYear | Text | 4 | The NPRI data reporting year. | |
| | NPRI_ID | Text | 10 | An assigned unique 10 digit number. | |
| | CAS_Number | Text | 11 | Chemical Abstracts Service Registry Number of the substance. | |
| | Units | Text | 9 | Quantities were entered in: tonnes, kg, grams, g TEQ | In 2000 the quantity entered changed from only tonnes to the units specified |
| | Disposal | Yes/No | 1 | For Final Disposal? If the substance is disposed of then one of the following must be selected: OLan OFar OUnd Land | |

ENGLISH 2003 NPRI DATABASE STRUCTURE

| | | | | |
|------------|--------|----|--|---|
| | | | Farm Unde Stor Physical Chemical Biological Incineration MSTP | |
| Disp_On | Yes/No | 1 | Are there disposals on-site? | |
| Disp_Off | Yes/No | 1 | Are there disposals off-site? | |
| Disp_Trea | Yes/No | 1 | Are there disposals for treatment? | |
| Recycling | Text | 1 | For Recycling? If the Substance is recycled then one of the following must be selected: Energy Recovery Recovery of Solvents Recovery of Organic substances (not solvents) Recovery of metals and metal compounds Recovery of inorganic materials (not metals) Recovery of acids or bases Recovery of Catalysts Recovery of pollution abatement residues Refining or re-use of used oil Other | Recycling was made mandatory in 1998, prior to 1998 facilities may not have reported Recycling activities, however that does not mean they did not carry out such activities. |
| | | | CODES FOR THE NEXT 2 SECTIONS (TRANSFERS FOR DISPOSAL AND TRANSFERS FOR RECYCLING), WHERE xxxxxx = THE DIFFERENT FIELDS IN THE NEXT 2 SECTIONS | |
| xxxx_Est | Text | 2 | Basis of Estimate Code {M, C, E, O, NA} where: M - Monitoring or Direct Measurement M1 - Continuous Emission Monitoring M2 - Predictive Emission Monitoring M3 - Source Testing C - Mass Balance E - Emission Factors E1 - Site Specific Emission Factors E2 - Published Emission Factors O - Engineering Estimates NI - No Information Available NA - Not Applicable | 1998 2002 and prior 2003 2003 2003 2002 and prior 2003 2003 |
| xxxx_Det | Text | 2 | For 2000 - Detail Code {bb, AL, BL, BQ} where: bb - Not Applicable AL - Above LoQ BL - Below LoQ (No quantity entered) BQ - Below LoQ (Quantity entered) | 2000 Only applies for dioxins/furans and hexachlorobenzene |
| xxxx_Val | Number | 12 | Amount transferred. | |
| xxxx_Cnt | Number | 2 | Number of Off-site entries. | |
| | | | ON-SITE and OFF-SITE DISPOSALS - On-site Disposal | |
| OLan_Est | Text | 2 | Containment (Landfill) | |
| OLan_Det | Text | 2 | Containment (Landfill) | |
| OLan_Val | Number | 18 | Containment (Landfill) | |
| OFar_Est | Text | 2 | Land Treatment (Farm) | |
| OFar_Det | Text | 2 | Land Treatment (Farm) | |
| OFar_Val | Number | 18 | Land Treatment (Farm) | |
| OUnd_Est | Text | 2 | Underground Injection | |
| OUnd_Det | Text | 2 | Underground Injection | |
| OUnd_Val | Number | 18 | Underground Injection | |
| Total_On_S | Number | 18 | Total Amount Disposed of On-Site | |
| | | | ON-SITE and OFF-SITE DISPOSALS - Off-Site Disposal | |

ENGLISH 2003 NPRI DATABASE STRUCTURE

| | | | | |
|------------|--------|----|---|---|
| Land_Est | Text | 2 | Containment (Landfill) | |
| Land_Det | Text | 2 | Containment (Landfill) | |
| Land_Val | Number | 12 | Containment (Landfill) | |
| Land_Cnt | Text | 2 | Containment (Landfill) | |
| Farm_Est | Text | 2 | Land Treatment (Farm) | |
| Farm_Det | Text | 2 | Land Treatment (Farm) | |
| Farm_Val | Number | 12 | Land Treatment (Farm) | |
| Farm_Cnt | Text | 2 | Land Treatment (Farm) | |
| Unde_Est | Text | 2 | Underground Injection | |
| Unde_Det | Text | 2 | Underground Injection | |
| Unde_Val | Number | 12 | Underground Injection | |
| Unde_Cnt | Text | 2 | Underground Injection | |
| Stor_Est | Text | 2 | Containment (Other Storage) | |
| Stor_Det | Text | 2 | Containment (Other Storage) | |
| Stor_Val | Number | 12 | Containment (Other Storage) | |
| Stor_Cnt | Text | 2 | Containment (Other Storage) | |
| Total_OffS | Number | 18 | Total Amount Disposed Off-Site | |
| | | | ON-SITE and OFF-SITE DISPOSALS - Off-site Transfers for Treatment Prior to Final Disposal | |
| Phys_Est | Text | 2 | Physical Treatment | |
| Phys_Det | Text | 2 | Physical Treatment | |
| Phys_Val | Number | 12 | Physical Treatment | |
| Phys_Cnt | Text | 2 | Physical Treatment | |
| Chem_Est | Text | 2 | Chemical Treatment | |
| Chem_Det | Text | 2 | Chemical Treatment | |
| Chem_Val | Number | 12 | Chemical Treatment | |
| Chem_Cnt | Text | 2 | Chemical Treatment | |
| Biol_Est | Text | 2 | Biological Treatment | |
| Biol_Det | Text | 2 | Biological Treatment | |
| Biol_Val | Number | 12 | Biological Treatment | |
| Biol_Cnt | Text | 2 | Biological Treatment | |
| Inci_Est | Text | 2 | Incineration / Thermal | |
| Inci_Det | Text | 2 | Incineration / Thermal | |
| Inci_Val | Number | 12 | Incineration / Thermal | |
| Inci_Cnt | Text | 2 | Incineration / Thermal | |
| MSTP_Est | Text | 2 | Municipal Sewage Treatment Plants | |
| MSTP_Det | Text | 2 | Municipal Sewage Treatment Plants | |
| MSTP_Val | Number | 12 | Municipal Sewage Treatment Plants | |
| MSTP_Cnt | Text | 2 | Municipal Sewage Treatment Plants | |
| Total_Trea | Number | 18 | Total Amount Transferred for Treatment | |
| Total_Disp | Number | 14 | Amount disposed of on-site, for treatment, and off-site | |
| | | | ANTICIPATED DISPOSALS [Anticipated Releases for the next three to five reporting years (-0.0000001 means Not Applicable)] | |
| A_Disp_1 | Number | 16 | First Year | |
| A_Disp_2 | Number | 16 | Second Year | |
| A_Disp_3 | Number | 16 | Third Year | |
| A_Disp_4 | Number | 16 | Fourth Year | |
| A_Disp_5 | Number | 16 | Fifth Year | |
| | | | OFF-SITE TRANSFERS FOR RECYCLING - Recycling Method | Recycling was made mandatory in 1998, prior to 1998 facilities may not have reported Recycling activities, however that does not mean they did not carry out such activities. |
| Ener_Est | Text | 2 | Energy recovery | |
| Ener_Det | Text | 2 | Energy recovery | |
| Ener_Val | Number | 12 | Energy recovery | |
| Ener_Cnt | Text | 2 | Energy recovery | |
| Solv_Est | Text | 2 | Recovery of solvents | |
| Solv_Det | Text | 2 | Recovery of solvents | |
| Solv_Val | Number | 12 | Recovery of solvents | |
| Solv_Cnt | Text | 2 | Recovery of solvents | |
| Orga_Est | Text | 2 | Recovery of organic substances (not solvents) | |
| Orga_Det | Text | 2 | Recovery of organic substances (not solvents) | |
| Orga_Val | Number | 12 | Recovery of organic substances (not solvents) | |
| Orga_Cnt | Text | 2 | Recovery of organic substances (not solvents) | |
| Meta_Est | Text | 2 | Recovery of metals and metal compounds | |
| Meta_Det | Text | 2 | Recovery of metals and metal compounds | |
| Meta_Val | Number | 12 | Recovery of metals and metal compounds | |

ENGLISH 2003 NPRI DATABASE STRUCTURE

| | | | | |
|------------|--------|----|--|---|
| Meta_Cnt | Text | 2 | Recovery of metals and metal compounds | |
| Inor_Est | Text | 2 | Recovery of inorganic materials (not metals) | |
| Inor_Det | Text | 2 | Recovery of inorganic materials (not metals) | |
| Inor_Val | Number | 12 | Recovery of inorganic materials (not metals) | |
| Inor_Cnt | Text | 2 | Recovery of inorganic materials (not metals) | |
| Acid_Est | Text | 2 | Recovery of acids or bases | |
| Acid_Det | Text | 2 | Recovery of acids or bases | |
| Acid_Val | Number | 12 | Recovery of acids or bases | |
| Acid_Cnt | Text | 2 | Recovery of acids or bases | |
| Cata_Est | Text | 2 | Recovery of catalysts | |
| Cata_Det | Text | 2 | Recovery of catalysts | |
| Cata_Val | Number | 12 | Recovery of catalysts | |
| Cata_Cnt | Text | 2 | Recovery of catalysts | |
| Abat_Est | Text | 2 | Recovery of pollution abatement residues | |
| Abat_Det | Text | 2 | Recovery of pollution abatement residues | |
| Abat_Val | Number | 12 | Recovery of pollution abatement residues | |
| Abat_Cnt | Text | 2 | Recovery of pollution abatement residues | |
| UOil_Est | Text | 2 | Refining or re-use of used oil | |
| Uoil_Det | Text | 2 | Refining or re-use of used oil | |
| UOil_Val | Number | 12 | Refining or re-use of used oil | |
| UOil_Cnt | Text | 2 | Refining or re-use of used oil | |
| Othe_Est | Text | 2 | Other | For 1995 and 1996 all quantities were in the Other categories |
| Othe_Det | Text | 2 | Other | |
| Othe_Val | Number | 12 | Other | |
| Othe_Cnt | Text | 2 | Other | |
| Total_Recy | Number | 14 | Amount recycled off-site. | |
| | | | ANTICIPATED RECYCLING [Anticipated recycling for the next three to five reporting years (NULL means Not Applicable)] | Recycling was made mandatory in 1998, prior to 1998 facilities may not have reported Recycling activities, however that does not mean they did not carry out such activities. |
| A_Recy_1 | Number | 16 | First year | |
| A_Recy_2 | Number | 16 | Second year | |
| A_Recy_3 | Number | 16 | Third year | |
| A_Recy_4 | Number | 16 | Fourth year | |
| A_Recy_5 | Number | 16 | Fifth year | |

| SubsFlag | | | | | |
|------------|--------|-------|---|--|------|
| Field Name | Type | Width | English Field Description | First year new fields were added to the Reporting Software | |
| ReportYear | Text | 4 | The NPRI data reporting year. | | |
| NPRI_ID | Text | 10 | An assigned unique 10 digit number. | | |
| CAS_Number | Text | 11 | Chemical Abstract Service (CAS) Registry Number of the substance. | | |
| Exp_to_All | Yes/No | 1 | Report to All Selected Inventory Programs | | |
| Exp_NPRI | Text | 1 | NPRI - EC | | |
| Exp_EPA | Text | 1 | EPA - EC | | |
| Exp_MOE | Text | 1 | MOE | | |
| Exp_NERM | Text | 1 | NERM | | |
| Exp_AENV | Text | 1 | AENV | | |
| Province | Text | 2 | Province/Territory | | 1995 |
| City | Text | 40 | City | | |
| CN_SIC | Text | 2 | 2 Digit Canadian SIC Code | | 1995 |
| CN_SIC | Text | 4 | 4 Digit Canadian SIC Code | | 1995 |
| US_SIC | Text | 4 | 4 Digit U.S. SIC Code | | 1995 |
| NAICS2 | Text | 2 | 2 Digit NAICS Code | | |
| NAICS4 | Text | 4 | 4 Digit NAICS Code | | 1998 |
| NAICS6 | Text | 6 | 6 Digit NAICS Code | | |
| | | | NATURE OF THE FACILITY ACTIVITY FOR THE SUBSTANCE SPECIFIED | | |
| Manu_A | Yes/No | 1 | On-site use/processing | | 1997 |
| Manu_B | Yes/No | 1 | Sale/Distribution | | 1997 |
| Manu_C | Yes/No | 1 | By-Product | | 1997 |
| Manu_D | Yes/No | 1 | Impurity | | 1997 |
| Proc_A | Yes/No | 1 | Reactant | | 1997 |
| Proc_B | Yes/No | 1 | Formulation Component | | 1997 |
| Proc_C | Yes/No | 1 | Article Component | | 1997 |
| Proc_D | Yes/No | 1 | Repacking Only | | 1997 |

ENGLISH 2003 NPRI DATABASE STRUCTURE

| | | | | |
|------------|--------|---|--|---|
| Proc_E | Yes/No | 1 | By-Product | 1997 |
| Othe_A | Yes/No | 1 | Chemical Processing Aid | 1997 |
| Othe_B | Yes/No | 1 | Manufacturing Aid | 1997 |
| Othe_C | Yes/No | 1 | Other Use | 1997 |
| Othe_D | Yes/No | 1 | By-Product | 1997 |
| | | | REASONS FOR CHANGES IN QUANTITIES RELEASED FROM PREVIOUS YEAR | |
| R_Rele_A | Yes/No | 1 | Changes in Production Levels | 1997 |
| R_Rele_B | Yes/No | 1 | Changes in Estimation Methods | 1997 |
| R_Rele_C | Yes/No | 1 | Pollution Prevention Activities | 1997 |
| R_Rele_D | Yes/No | 1 | Changes in On-site Treatment | 1997 |
| R_Rele_E | Yes/No | 1 | Changes in Off-site Transfers for Final Disposal | 1997 |
| R_Rele_F | Yes/No | 1 | Changes in Off-site Transfers for Recycling | 1997 |
| R_Rele_G | Yes/No | 1 | Other (specify in comments field B14.2) | 1997 |
| R_Rele_H | Yes/No | 1 | No Significant Change (i.e. < 0 - 10%) | 1997 |
| R_Rele_I | Yes/No | 1 | Not Applicable (First year reporting this substance) | 1997 |
| | | | REASONS WHY SUBSTANCE WAS TRANSFERRED OFF-SITE for DISPOSAL or RECYCLING. | |
| R_Tran_A | Yes/No | 1 | Production Residues | |
| R_Tran_B | Yes/No | 1 | Off-specification products | |
| R_Tran_C | Yes/No | 1 | Expiration date passed | |
| R_Tran_D | Yes/No | 1 | Contaminated materials | |
| R_Tran_E | Yes/No | 1 | Unusable parts or discards | |
| R_Tran_F | Yes/No | 1 | Pollution abatement residues | |
| R_Tran_G | Yes/No | 1 | Machining or finishing residues | |
| R_Tran_H | Yes/No | 1 | Site remediation residues | |
| R_Tran_I | Yes/No | 1 | Other | |
| | | | REASONS FOR CHANGES IN QUANTITIES DISPOSED FROM PREVIOUS YEAR | |
| R_Disp_A | Yes/No | 1 | Changes in Production Levels | |
| R_Disp_B | Yes/No | 1 | Changes in Estimation Methods | |
| R_Disp_C | Yes/No | 1 | Pollution Prevention Activities | |
| R_Disp_D | Yes/No | 1 | Changes in On-site Treatment | |
| R_Disp_E | Yes/No | 1 | *** Option (e) is not used here. *** | |
| R_Disp_F | Yes/No | 1 | Changes in Off-site Transfers for Recycling | |
| R_Disp_G | Yes/No | 1 | Other (specify in comments field B23.2) | |
| R_Disp_H | Yes/No | 1 | No Significant Change (i.e. < 0 - 10%) | |
| R_Disp_I | Yes/No | 1 | Not Applicable (First year reporting this substance) | |
| | | | REASONS FOR CHANGES IN QUANTITIES RECYCLED FROM PREVIOUS YEAR | Recycling was made mandatory in 1998, prior to 1998 facilities may not have reported Recycling activities, however that does not mean they did not carry out such activities. |
| R_Recy_A | Yes/No | 1 | Changes in Production Levels | |
| R_Recy_B | Yes/No | 1 | Changes in Estimation Methods | |
| R_Recy_C | Yes/No | 1 | Pollution Prevention Activities | |
| R_Recy_D | Yes/No | 1 | Changes in On-site Treatment | |
| R_Recy_E | Yes/No | 1 | Changes in Off-site Transfers for Final Disposal | |
| R_Recy_F | Yes/No | 1 | *** Option (f) is not used here. *** | |
| R_Recy_G | Yes/No | 1 | Other (specify in comments field B26.2) | |
| R_Recy_H | Yes/No | 1 | No Significant Change (i.e. < 0 - 10%) | |
| R_Recy_I | Yes/No | 1 | Not Applicable (First year reporting this substance) | |
| | | | POLLUTION PREVENTION ACTIVITIES (P2) | |
| R_PPA2_A | Yes/No | 1 | Materials or Feedstock Substitution | 1997 |
| R_PPA2_B | Yes/No | 1 | Product Design or Reformulation | 1997 |
| R_PPA2_C | Yes/No | 1 | Equipment or Process Modifications | 1997 |
| R_PPA2_D | Yes/No | 1 | Spill and Leak Prevention | 1997 |
| R_PPA2_E | Yes/No | 1 | On-site Recovery, Re-use or Recycling | 1997 |
| R_PPA2_F | Yes/No | 1 | Improved Inventory Management or Purchasing Techniques | 1997 |
| R_PPA2_G | Yes/No | 1 | Good Operating Practice or Training | 1997 |
| R_PPA2_H | Yes/No | 1 | Other (specify in comments field B30.2) | 1997 |
| R_PPA2_I | Yes/No | 1 | No Pollution Prevention Activities | 1997 |
| R_PPA2_A_1 | Yes/No | 1 | Increased purity of materials | 2002 |
| R_PPA2_A_2 | Yes/No | 1 | Substituted Materials | 2002 |
| R_PPA2_A_3 | Yes/No | 1 | Other (Specify in comments field B30.1a-iv) | 2002 |
| R_PPA2_B_1 | Yes/No | 1 | Changed product specification | 2002 |
| R_PPA2_B_2 | Yes/No | 1 | Modified design or composition | 2002 |

ENGLISH 2003 NPRI DATABASE STRUCTURE

| | | | | |
|------------|--------|---|---|------|
| R_PPA2_B_3 | Yes/No | 1 | Modified packaging | 2002 |
| R_PPA2_B_4 | Yes/No | 1 | Other (Specify in comments field B30.1b-v) | 2002 |
| R_PPA2_C_1 | Yes/No | 1 | Modified equipment, layout, or piping | 2002 |
| R_PPA2_C_2 | Yes/No | 1 | Used different process catalyst | 2002 |
| R_PPA2_C_3 | Yes/No | 1 | Instituted better controls on operating bulk containers | 2002 |
| R_PPA2_C_4 | Yes/No | 1 | Changed from small volume containers to bulk containers | 2002 |
| R_PPA2_C_5 | Yes/No | 1 | Modified stripping/cleaning equipment | 2002 |
| R_PPA2_C_6 | Yes/No | 1 | Changed to mechanical stripping/cleaning devices | 2002 |
| R_PPA2_C_7 | Yes/No | 1 | Changed to aqueous cleaners | 2002 |
| R_PPA2_C_8 | Yes/No | 1 | Modified or installed rinse system | 2002 |
| R_PPA2_C_9 | Yes/No | 1 | Improved rise equipment design | 2002 |
| R_PPA2_C10 | Yes/No | 1 | Improved rinse equipment operation | 2002 |
| R_PPA2_C11 | Yes/No | 1 | Modified spray systems or equipment | 2002 |
| R_PPA2_C12 | Yes/No | 1 | Improved application techniques | 2002 |
| R_PPA2_C13 | Yes/No | 1 | Changed from spray to other system | 2002 |
| R_PPA2_C14 | Yes/No | 1 | Other (Specify in comments field B30.1c-xv) | 2002 |
| R_PPA2_D_1 | Yes/No | 1 | Improved storage or stacking procedures | 2002 |
| R_PPA2_D_2 | Yes/No | 1 | Improved procedures for loading, unloading, and transfer operations | 2002 |
| R_PPA2_D_3 | Yes/No | 1 | Installed overflow alarms or automatic shut-off valves | 2002 |
| R_PPA2_D_4 | Yes/No | 1 | Installed vapour recovery systems | 2002 |
| R_PPA2_D_5 | Yes/No | 1 | Implemented inspection or monitoring program of potential spill or leak sources | 2002 |
| R_PPA2_D_6 | Yes/No | 1 | Modified containment procedures | 2002 |
| R_PPA2_D_7 | Yes/No | 1 | Improved draining procedures | 2002 |
| R_PPA2_D_8 | Yes/No | 1 | Other (Specify in comments field B30.1d-ix) | 2002 |
| R_PPA2_E_1 | Yes/No | 1 | Instituted recirculation within a process | 2002 |
| R_PPA2_E_2 | Yes/No | 1 | Other (specify in comments field B30.1e-iii) | 2002 |
| R_PPA2_F_1 | Yes/No | 1 | Instituted procedures to ensure that materials do not stay in inventory beyond shelf-life | 2002 |
| R_PPA2_F_2 | Yes/No | 1 | Instituted testing of outdated material | 2002 |
| R_PPA2_F_3 | Yes/No | 1 | Eliminated shelf-life requirements for stable material | 2002 |
| R_PPA2_F_4 | Yes/No | 1 | Instituted better labelling procedures | 2002 |
| R_PPA2_F_5 | Yes/No | 1 | Instituted clearinghouse to exchange materials | 2002 |
| R_PPA2_F_6 | Yes/No | 1 | Instituted improved purchasing procedures | 2002 |
| R_PPA2_F_7 | Yes/No | 1 | Other (specify in comments field B30.1f-viii) | 2002 |
| R_PPA2_G_1 | Yes/No | 1 | Improved maintenance scheduling, record keeping or procedures | 2002 |
| R_PPA2_G_2 | Yes/No | 1 | Changed production schedule to minimize equipment and feedstock changeovers | 2002 |
| R_PPA2_G_3 | Yes/No | 1 | Training related to pollution prevention | 2002 |
| R_PPA2_G_4 | Yes/No | 1 | Other (Specify in comments section B30.1g-v) | 2002 |
| Comm_VOC | Yes/No | 1 | VOC Speciation comments | |
| Comm_REL | Yes/No | 1 | Release comments | |
| Comm_DIS | Yes/No | 1 | Disposal Transfer comments | |
| Comm_REC | Yes/No | 1 | Recycling Transfer comments | |
| COMM_P2A | Yes/No | 1 | Comments (specific to B30.1a) | 2002 |
| COMM_P2B | Yes/No | 1 | Comments (specific to B30.1b) | 2002 |
| COMM_P2C | Yes/No | 1 | Comments (specific to B30.1c) | 2002 |
| COMM_P2D | Yes/No | 1 | Comments (specific to B30.1d) | 2002 |
| COMM_P2E | Yes/No | 1 | Comments (specific to B30.1e) | 2002 |
| COMM_P2F | Yes/No | 1 | Comments (specific to B30.1f) | 2002 |
| COMM_P2G | Yes/No | 1 | Comments (specific to B30.1g) | 2002 |
| Comm_PPA | Yes/No | 1 | Are there Pollution Prevention Comments present? | 1997 |

SubsRele

| Field Name | Type | Width | English Field Description | First year new fields were added to the Reporting Software |
|------------|------|-------|---|--|
| ReportYear | Text | 4 | The NPRI data reporting year. | |
| NPRI_ID | Text | 10 | An assigned unique 10 digit number. | |
| CAS_Number | Text | 11 | Chemical Abstract Service (CAS) Registry Number of the substance. | |
| Chem_Name | Text | 120 | Name of substance | 2002 |

ENGLISH 2003 NPRI DATABASE STRUCTURE

| | | | | |
|------------|--------|----|---|--|
| Units | Text | 9 | Quantities were entered in: tonnes, kg, grams, g TEQ | In 2000 the quantity entered changed from only tonnes to the units specified |
| | | | NATURE OF THE FACILITY ACTIVITY FOR THE SUBSTANCE SPECIFIED | |
| Release | Yes/No | 1 | Is this substance released on-site? | |
| Less_1_Ton | Yes/No | 1 | Are releases less than one tonne and reported as a total? | Only applies for dioxins/furans and hexachlorobenzene |
| | | | * If releases are greater than one tonne then data must be provided for Air Releases, Underground Injection, Releases to Surface Waters OR Releases to Land in the following section. | |
| | | | * If less than one tonne then data for Total Releases must be provided in the following section. | |
| | | | CODES FOR THE NEXT 5 SECTIONS (RELEASES TO AIR, UNDERGROUND INJECTION, SURFACE WATER, LAND, AND TOTAL RELEASES), WHERE xxxxxx = THE DIFFERENT FIELDS IN THE NEXT 5 SECTIONS | |
| xxxxxx_E | Text | 2 | Basis of Estimate Code {M, C, E, O, NA} where: M - Monitoring or Direct Measurement M1 - Continuous Emission Monitoring M2- Predictive Emission Monitoring M3 - Source Testing C - Mass Balance E - Emission Factors E1 - Site Specific Emission Factors E2 - Published Emission Factors O - Engineering Estimates NI - No Information Available NA - Not Applicable | 2002 and prior 2003 2003 2003 2002 and prior 2003 2003 |
| xxxxxx_D | Text | 2 | For 2000 - Detail Code {bb, AL, BL, BQ} where: bb - Not Applicable AL - Above LoQ BL - Below LoQ (No quantity entered) BQ - Below LoQ (Quantity entered) For 1995-1999, this field lists a quantity Code {A, B, C, D, E, NA } where: A - 0.001 - 0.199 Tonnes B - 0.002 - 0.399 Tonnes C - 0.004 - 0.599 Tonnes D - 0.006 - 0.799 Tonnes E - 0.008 - 0.999 Tonnes NA - Manually entered tonnes | Only applies for dioxins/furans and hexachlorobenzene |
| xxxxxx_V | Number | 12 | Amount of the substance released. | |
| xxxxxx_N | Number | 2 | Number of Water Body entries. | |
| | | | ON-SITE AIR RELEASES | |
| AirSta_E | Text | 2 | Stack / Point | |
| AirSta_D | Text | 2 | Stack / Point | |
| AirSta_V | Number | 18 | Stack / Point | |
| AirSta_N | Number | 2 | | |
| AirSto_E | Text | 2 | Storage / Handling | |
| AirSto_D | Text | 2 | Storage / Handling | |
| AirSto_V | Number | 18 | Storage / Handling | |
| AirFug_E | Text | 2 | Fugitive | |
| AirFug_D | Text | 2 | Fugitive | |
| AirFug_V | Number | 18 | Fugitive | |
| AirSpi_E | Text | 2 | Spills | |
| AirSpi_D | Text | 2 | Spills | |

ENGLISH 2003 NPRI DATABASE STRUCTURE

| | | | | |
|------------|--------|----|---|--|
| AirSpi_V | Number | 18 | Spills | |
| AirOth_E | Text | 2 | Other Non-Point | |
| AirOth_D | Text | 2 | Other Non-Point | |
| AirOth_V | Number | 18 | Other Non-Point | |
| Total_Air | Number | 18 | | |
| | | | VOC SPECIATION | |
| VOC_Spec | Yes/No | 1 | Are you required to report any VOC specie(s)? | |
| | | | RELEASES TO SURFACE WATERS | |
| WatDis_E | Text | 2 | Direct Discharges | |
| WatDis_D | Text | 2 | Direct Discharges | |
| WatDis_V | Number | 18 | Direct Discharges | |
| WatDis_N | Number | 2 | Direct Discharges | |
| WatSpi_E | Text | 2 | Spills | |
| WatSpi_D | Text | 2 | Spills | |
| WatSpi_V | Number | 18 | Spills | |
| WatSpi_N | Number | 2 | Spills | |
| WatLea_E | Text | 2 | Leaks | |
| WatLea_D | Text | 2 | Leaks | |
| WatLea_V | Number | 18 | Leaks | |
| WatLea_N | Number | 2 | Leaks | |
| Total_Wate | Number | 18 | | |
| | | | RELEASES TO LAND | |
| LanSpi_E | Text | 2 | Spills | |
| LanSpi_D | Text | 2 | Spills | |
| LanSpi_V | Number | 18 | Spills | |
| LanLea_E | Text | 2 | Leaks | |
| LanLea_D | Text | 2 | Leaks | |
| LanLea_V | Number | 18 | Leaks | |
| LanOth_E | Text | 2 | Other | |
| LanOth_D | Text | 2 | Other | |
| LanOth_V | Number | 18 | Other | |
| Total_Land | Number | 18 | | |
| | | | TOTAL RELEASES (AIR, WATER, & LAND) | This is a manual entry that can ONLY be made when total releases are less than 1 tonne for part 1 substances. The field Less_1_tonn in the SubsRele.mdb table should indicate Yes (Y) if there are data in this field. |
| TotRel_E | Text | 2 | | |
| TotRel_D | Text | 2 | | |
| Total_Rele | Number | 18 | Total Release (without Road Dust) | |
| | | | ROAD DUST | |
| AirRoa_E | Text | 2 | | |
| AirRoa_D | Text | 2 | | |
| AirRoa_V | Number | 18 | | |
| Total_Road | Number | 18 | Total Releases including Road Dust | |
| | | | YEARLY BREAKDOWN OF RELEASES BY PERCENTAGE (Quarterly Percentages are required if the substance is released; Monthly amounts are required for CACs) | |
| Rele_Q1 | Number | 6 | First quarter | |
| Rele_Q2 | Number | 6 | Second quarter | |
| Rele_Q3 | Number | 6 | Third quarter | |
| Rele_Q4 | Number | 6 | Fourth quarter | |
| Rele_Jan | Number | 6 | January | 2002 |
| Rele_Feb | Number | 6 | February | 2002 |
| Rele_Mar | Number | 6 | March | 2002 |
| Rele_Apr | Number | 6 | April | 2002 |
| Rele_May | Number | 6 | May | 2002 |
| Rele_Jun | Number | 6 | June | 2002 |
| Rele_Jul | Number | 6 | July | 2002 |
| Rele_Aug | Number | 6 | August | 2002 |
| Rele_Sep | Number | 6 | September | 2002 |
| Rele_Oct | Number | 6 | October | 2002 |
| Rele_Nov | Number | 6 | November | 2002 |
| Rele_Dec | Number | 3 | December | 2002 |
| SmogSeason | Number | 18 | SMOG SEASON (May - Sept.) | |
| | | | ANTICIPATED RELEASES [Anticipated Releases for the next three to five reporting years (-0.0000001 means Not Applicable)] | |
| A_Rele_1 | Number | 16 | First year | required |
| A_Rele_2 | Number | 16 | Second year | required |

ENGLISH 2003 NPRI DATABASE STRUCTURE

| | | | | |
|-----------|--------|----|--|-----------------|
| A_Rele_3 | Number | 16 | Third year | required |
| A_Rele_4 | Number | 16 | Fourth year | optional |
| A_Rele_5 | Number | 16 | Fifth year | optional |
| | | | PRODUCTION RATIO / ACTIVITY INDEX (OPTIONAL) | |
| Act_Index | Number | 15 | Production Ratio / Activity Index | 1997 (optional) |

SubsTran

| Field Name | Type | Width | English Field Description | First year new fields were added to the Reporting Software |
|-------------|------|-------|---|---|
| ReportYear | Text | 4 | The NPRI data reporting year. | |
| NPRI_ID | Text | 10 | An assigned unique 10 digit number. | |
| CAS_Number | Text | 11 | Chemical Abstracts Service Registry Number of the substance. | |
| Tran_Type * | Text | 4 | <p>Type of Release, Disposal or Recycling: Surface Water Bodies (note these are actually releases and not transfers): "AirS" = Stack releases to Air "VOCg", "VOCs" - Other Sources / Stack "WatD" = Direct Discharge to a water body "WatS" = Spill to a water body "WatL" = Leak to a water body</p> <p>Disposals On-site: "Olan", "Ofar", "Ound"</p> <p>Disposal Offsite: "Land" = Containment (Other storage) "Farm" = Land treatment (Farm) "Unde" = Underground injection "Stor" = Containment (storage)</p> <p>Disposals Treatment: "Phys" = Physical treatment "Chem" = Chemical treatment "Biol" = Biological treatment "Inci" = Incineration/thermal "MSTP" = Municipal Sewage Treatment Plants</p> <p>Recycling: "Ener" = Energy Recovery "Solv" = Recovery of Solvents "Orga" = Recovery of organic substances (not solvents) "Meta" = Recovery of metals and metal compounds "Inor" = Recovery of inorganic materials (not metals) "Acid" = Recovery of acids or bases "Cata" = Recovery of catalysts "Abat" = Recovery of pollution abatement residues "Uoil" = Refining or re-use of used oil "Othe" = Other</p> | These 3 codes have no off-sites and therefore will not appear in this table |
| Tran_Code | Text | 5 | <p>A unique 5-digit code identifying the stack (this code is equivalent to the Stac_Code in the Stacks table) OR A unique 5-digit code identifying the surface water body (this code is equivalent to the Wate_Code in the Streams table) AND For 2000: A unique 5-digit code identifying the Off-site facility (this code is equivalent to the OffS_Code in the OffSites table) OR For 1995 - 1999: A 2-digit code is assigned for each off-site which is specific for each individual NPRI ID (i.e. the same code is used for more than one off-site but not for the same NPRI ID)</p> | |

ENGLISH 2003 NPRI DATABASE STRUCTURE

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| | | | (this code is equivalent to the Addr_Code in the Address table) | |
| Tran_Prov | Text | 2 | Province of Stack, Water Body or Off-site | |
| Tran_CAS | Text | 11 | CAS Registry number of the identified VOC substance (could be up to 60 of them) | |
| Tran_Value | Number | 12 | Amount released or transferred. | |
| Units | Text | 9 | Quantities were entered in: tonnes, kg, grams, g TEQ | |