

Demo of How to Pull TRI Data from EPA's Envirofacts

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Method

- Envirofacts
 - Free, public data query tool
 - <https://www3.epa.gov/enviro/>
 - Use the Form R & A Download feature
- Example data pulls
 - How to find the method of calculation for air release estimate
 - How to find waste treatment method for gaseous waste streams

Method

- Elements to pull
 - Chemical information
 - Facility information
 - Air release information (stack and fugitive releases)
 - Release calculation estimation method code
 - Waste stream treated
 - Waste treatment method

Form R & A Download

Envirofacts

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Form R & A Download

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TRI



Disclaimer: Preliminary 2016 TRI Dataset

Envirofacts provides access to individual 2016 TRI reporting forms that EPA has received and processed. Please note that the preliminary 2016 TRI dataset is not yet complete. The dataset will be updated several times in response to data quality analyses and revisions submitted by facilities. The complete dataset will be available in October.

The Toxics Release Inventory (TRI) Form R & A Download retrieves data from the TRI database in Envirofacts.

TRI Form R & A Download facilitates access and download of all TRI Form R and A data. Data may be viewed in an HTML table or downloaded as a CSV file. This tool consists of two steps: Data Selection and Output Selection. First, select data of interest to focus your search (e.g., reporting year, chemical name, zip code, etc). Second, select outputs to be displayed in the result report (e.g., facility name, Air Total Release, etc) or select all data elements to be displayed.

Data Selection

Enter search criteria by selecting Search Options and entering Search Values for the appropriate column names below.

| Column Name | Search Option Help! | Search Value |
|---|-------------------------------|----------------------|
| TRI Facility Id | Equal to <input type="text"/> | <input type="text"/> |
| Facility Name | Equal to <input type="text"/> | <input type="text"/> |
| Document Control Number | Equal to <input type="text"/> | <input type="text"/> |

TRI Links

- Overview
- TRI Tools
 - TRI Explorer
 - TRI Search
 - Form R Search
 - Form R & A Download
 - EZ Search
 - Customized Search
 - Pollution Prevention
 - Data Element Search Tool
- TRI Guides
 - TRI Explorer Guide
 - TRI Search Guide
 - Form R & A Download Guide
 - EZ Search Guide
 - Customized Search Guide
 - Pollution Prevention Guide
 - Operator Definition
 - Model
- Contact Us
- TRI Program Home
- RSEI Program Home

System Data Searches

- Multisystem

Form R & A Download: Filter

Data Selection

Enter search criteria by selecting Search Options and entering Search Values for the appropriate column names below.

| Column Name | Search Option Help! | Search Value |
|-------------------------|---------------------|--------------|
| TRI Facility Id | Equal to | |
| Facility Name | Equal to | |
| Document Control Number | Equal to | |
| Reporting Year | Equal to | 2015 |
| Chemical Name | Equal to | |
| TRI Chemical Id | Equal to | |
| City Name | Equal to | |
| County Name | Equal to | |
| State Abbreviation | Equal to | |
| ZIP Code | Equal to | |
| Region | Equal to | |
| SIC Codes | Equal to | |
| Primary SIC Code | Equal to | |
| NAICS Codes | Beginning with | 2211 |
| Primary NAICS Code | Equal to | |
| Industry Sector | Equal to | |
| BIA Tribal Code | Equal to | |
| Tribe | Equal to | |

Form R & A Download: Data Elements

Output Selection

Chose desired output elements (columns) for the download by selecting one or more of the columns below by clicking on the square box next to the column name.

Please note: Some searches may take a long time to process, due to the limitations of your computer's resources. For best results, try limiting your column selections, whenever possible. 15 minutes of CPU time has been allotted for running the output searches. If your search exceeds this 15 minute threshold, the search will produce an error.

Select All

| | | |
|--|--|---|
| <input type="checkbox"/> ACCURACY_SCORE | <input type="checkbox"/> ACCURACY_VALUE | <input type="checkbox"/> ACTIVE_DATE |
| <input type="checkbox"/> ACTIVE_STATUS | <input type="checkbox"/> ADDITIONAL_DATA_IND | <input type="checkbox"/> ADDITIONAL_TEXT_8_11 |
| <input type="checkbox"/> ADDITIONAL_TEXT_9_1 | <input type="checkbox"/> NAICS ADJUSTED | <input type="checkbox"/> AIR_TOTAL_RELEASE |
| <input type="checkbox"/> ANCILLARY | <input type="checkbox"/> ARTICLE_COMPONENT | <input type="checkbox"/> ASGN_AGENCY |
| <input type="checkbox"/> ASGN_DB_IND_1 | <input type="checkbox"/> ASGN_DB_IND_2 | <input type="checkbox"/> ASGN_FEDERAL_IND |
| <input type="checkbox"/> ASGN_NPDES_IND_1 | <input type="checkbox"/> ASGN_NPDES_IND_2 | <input type="checkbox"/> ASGN_PARTIAL_IND |
| <input type="checkbox"/> ASGN_PUBLIC_CONTACT | <input type="checkbox"/> ASGN_PUBLIC_CONTACT_EMAIL | <input type="checkbox"/> ASGN_PUBLIC_PHONE |
| <input type="checkbox"/> ASGN_RCRA_IND_1 | <input type="checkbox"/> ASGN_RCRA_IND_2 | <input type="checkbox"/> ASGN_UIC_IND_1 |
| <input type="checkbox"/> ASGN_UIC_IND_2 | <input type="checkbox"/> BIA_CODE | <input type="checkbox"/> BYPRODUCT |
| <input type="checkbox"/> CAAC_IND | <input type="checkbox"/> CARC_IND | <input type="checkbox"/> CAS_CHEM_NAME |
| <input type="checkbox"/> CAS_REGISTRY_NUMBER | <input type="checkbox"/> CERTIF_DATE_SIGNED | <input type="checkbox"/> CERTIF_NAME |
| <input type="checkbox"/> CERTIF_OFFICIAL_TITLE | <input type="checkbox"/> CERTIF_SIGNATURE | <input checked="" type="checkbox"/> CHEM_NAME |
| <input type="checkbox"/> CHEM_PROCESSING_AID | <input type="checkbox"/> CITY_NAME | <input type="checkbox"/> COLLECT_DESC |
| <input type="checkbox"/> COLLECT_MTH_CODE | <input type="checkbox"/> CONVEYOR | <input type="checkbox"/> COUNTY_NAME |
| <input type="checkbox"/> NAICS COVERED | <input type="checkbox"/> DB_ADD_IND | <input type="checkbox"/> DB_NUM_1 |
| <input type="checkbox"/> DB_NUM_2 | <input type="checkbox"/> DIOXIN_DISTRIBUTION_1 | <input type="checkbox"/> DIOXIN_DISTRIBUTION_10 |

Form R & A Download: Data Elements

| | | |
|--|---|--|
| <input type="checkbox"/> ENERGY_OFFSITE_SECD_YR_NA | <input type="checkbox"/> ENERGY_OFFSITE_SECD_YR_QTY | <input type="checkbox"/> ENERGY_ONSITE_CURR_YR_NA |
| <input type="checkbox"/> ENERGY_ONSITE_CURR_YR_QTY | <input type="checkbox"/> ENERGY_ONSITE_FOLL_YR_NA | <input type="checkbox"/> ENERGY_ONSITE_FOLL_YR_QTY |
| <input type="checkbox"/> ENERGY_ONSITE_PREV_YR_NA | <input type="checkbox"/> ENERGY_ONSITE_PREV_YR_QTY | <input type="checkbox"/> ENERGY_ONSITE_SECD_YR_NA |
| <input type="checkbox"/> ENERGY_ONSITE_SECD_YR_QTY | <input type="checkbox"/> ENTIRE_FAC | <input type="checkbox"/> EST_ANNUAL_REDUCT_1 |
| <input type="checkbox"/> EST_ANNUAL_REDUCT_2 | <input type="checkbox"/> EST_ANNUAL_REDUCT_3 | <input type="checkbox"/> EST_ANNUAL_REDUCT_4 |
| <input checked="" type="checkbox"/> FACILITY_NAME | <input type="checkbox"/> FAC_CLOSED_IND | <input type="checkbox"/> FEDERAL_FAC_IND |
| <input type="checkbox"/> FEDS_IND | <input type="checkbox"/> FORMULATION_COMPONENT | <input type="checkbox"/> FORM_TYPE_IND |
| <input checked="" type="checkbox"/> FRS_ID | <input checked="" type="checkbox"/> FUGITIVE_BASIS_EST_CODE | <input type="checkbox"/> FUGITIVE_RELEASE_NA |
| <input type="checkbox"/> FUGITIVE_RELEASE_RANGE_CODE | <input checked="" type="checkbox"/> FUGITIVE_TOT_REL | <input type="checkbox"/> GENERIC_CHEM_NAME |
| <input type="checkbox"/> GOCO_FLAG | <input type="checkbox"/> HAZDATUM_DESC | <input type="checkbox"/> IMPORTED |
| <input type="checkbox"/> INACTIVE_DATE | <input type="checkbox"/> INDUSTRY_CODE | <input type="checkbox"/> INDUSTRY_DESCRIPTION |
| <input type="checkbox"/> LANDF_8795_BASIS_EST_CODE | <input type="checkbox"/> LANDF_8795_RELEASE_NA | <input type="checkbox"/> LANDF_8795_RELEASE_RANGE_CODE |
| <input type="checkbox"/> LANDF_8795_TOT_REL | <input type="checkbox"/> LAND_TOTAL_RELEASE | <input type="checkbox"/> LAND_TREA_BASIS_EST_CODE |
| <input type="checkbox"/> LAND_TREA_RELEASE_NA | <input type="checkbox"/> LAND_TREA_RELEASE_RANGE_CODE | <input type="checkbox"/> LAND_TREA_TOT_REL |
| <input type="checkbox"/> LATITUDE | <input type="checkbox"/> LONGITUDE | <input type="checkbox"/> MAIL_CITY |
| <input type="checkbox"/> MAIL_COUNTRY | <input type="checkbox"/> MAIL_NAME | <input type="checkbox"/> MAIL_STATE_ARRR |

Form R & A Download: Data Elements

| | | |
|--|--|--|
| <input type="checkbox"/> ONS_INFLUENT_CONC_RANGE_2 | <input type="checkbox"/> ONS_INFLUENT_CONC_RANGE_3 | <input type="checkbox"/> ONS_INFLUENT_CONC_RANGE_4 |
| <input type="checkbox"/> ONS_INFLUENT_CONC_RANGE_5 | <input type="checkbox"/> ONS_INFLUENT_CONC_RANGE_6 | <input type="checkbox"/> ONS_INFLUENT_CONC_RANGE_7 |
| <input type="checkbox"/> ONS_INFLUENT_CONC_RANGE_8 | <input type="checkbox"/> ONS_INFLUENT_CONC_RANGE_9 | <input checked="" type="checkbox"/> ONS_METHOD_CODES_1 |
| <input checked="" type="checkbox"/> ONS_METHOD_CODES_2 | <input checked="" type="checkbox"/> ONS_METHOD_CODES_3 | <input checked="" type="checkbox"/> ONS_METHOD_CODES_4 |
| <input checked="" type="checkbox"/> ONS_METHOD_CODES_5 | <input checked="" type="checkbox"/> ONS_METHOD_CODES_6 | <input checked="" type="checkbox"/> ONS_METHOD_CODES_7 |
| <input checked="" type="checkbox"/> ONS_METHOD_CODES_8 | <input checked="" type="checkbox"/> ONS_METHOD_CODES_9 | <input type="checkbox"/> ONS_OPERATING_DATA_IND_1 |
| <input type="checkbox"/> ONS_OPERATING_DATA_IND_2 | <input type="checkbox"/> ONS_OPERATING_DATA_IND_3 | <input type="checkbox"/> ONS_OPERATING_DATA_IND_4 |
| <input type="checkbox"/> ONS_OPERATING_DATA_IND_5 | <input type="checkbox"/> ONS_OPERATING_DATA_IND_6 | <input type="checkbox"/> ONS_OPERATING_DATA_IND_7 |
| <input type="checkbox"/> ONS_OPERATING_DATA_IND_8 | <input type="checkbox"/> ONS_OPERATING_DATA_IND_9 | <input type="checkbox"/> ONS_SEQUENTIAL_TREAT_87_90_1 |
| <input type="checkbox"/> ONS_SEQUENTIAL_TREAT_87_90_2 | <input type="checkbox"/> ONS_SEQUENTIAL_TREAT_87_90_3 | <input type="checkbox"/> ONS_SEQUENTIAL_TREAT_87_90_4 |
| <input type="checkbox"/> ONS_SEQUENTIAL_TREAT_87_90_5 | <input type="checkbox"/> ONS_SEQUENTIAL_TREAT_87_90_6 | <input type="checkbox"/> ONS_SEQUENTIAL_TREAT_87_90_7 |
| <input type="checkbox"/> ONS_SEQUENTIAL_TREAT_87_90_8 | <input type="checkbox"/> ONS_SEQUENTIAL_TREAT_87_90_9 | <input type="checkbox"/> ONS_WASTESTREAM_ADD_IND |
| <input checked="" type="checkbox"/> ONS_WASTESTREAM_CODE_1 | <input checked="" type="checkbox"/> ONS_WASTESTREAM_CODE_2 | <input checked="" type="checkbox"/> ONS_WASTESTREAM_CODE_3 |
| <input checked="" type="checkbox"/> ONS_WASTESTREAM_CODE_4 | <input checked="" type="checkbox"/> ONS_WASTESTREAM_CODE_5 | <input checked="" type="checkbox"/> ONS_WASTESTREAM_CODE_6 |
| <input checked="" type="checkbox"/> ONS_WASTESTREAM_CODE_7 | <input checked="" type="checkbox"/> ONS_WASTESTREAM_CODE_8 | <input checked="" type="checkbox"/> ONS_WASTESTREAM_CODE_9 |
| <input type="checkbox"/> ORIG_POSTMARK | <input type="checkbox"/> ORIG_RECEIVED | <input type="checkbox"/> OTH_DISP_BASIS_EST_CODE |
| <input type="checkbox"/> OTH_DISP_RELEASE_NA | <input type="checkbox"/> OTH_DISP_RELEASE_RANGE_CODE | <input type="checkbox"/> OTH_DISP_TOT_REL |
| <input type="checkbox"/> OTH_LANDF_BASIS_EST_CODE | <input type="checkbox"/> OTH_LANDF_RELEASE_NA | <input type="checkbox"/> OTH_LANDF_RELEASE_RANGE_CODE |

Form R & A Download: Data Elements

| | | |
|--|---|--|
| <input type="checkbox"/> SOURCE_REDUCTION_IND | <input type="checkbox"/> SOURCE_REDUCTION_METHODS_1 | <input type="checkbox"/> SOURCE_REDUCTION_METHODS_2 |
| <input type="checkbox"/> SOURCE_REDUCTION_METHODS_3 | <input type="checkbox"/> SOURCE_REDUCTION_METHODS_4 | <input type="checkbox"/> SRS_ID |
| <input checked="" type="checkbox"/> STACK_BASIS_EST_CODE | <input type="checkbox"/> STACK_RELEASE_NA | <input type="checkbox"/> STACK_RELEASE_RANGE_CODE |
| <input checked="" type="checkbox"/> STACK_TOT_REL | <input type="checkbox"/> STANDARDIZED_PARENT_COMPANY | <input type="checkbox"/> STATE_ABBR |
| <input type="checkbox"/> STATE_COUNTY_IMP_CODE | <input type="checkbox"/> STORM_WATER_PERCENT_1 | <input type="checkbox"/> STORM_WATER_PERCENT_2 |
| <input type="checkbox"/> STORM_WATER_PERCENT_3 | <input type="checkbox"/> STREET_ADDRESS | <input type="checkbox"/> SUB_SURF_IMP_BASIS_EST_CODE |
| <input type="checkbox"/> SUB_SURF_IMP_RELEASE_NA | <input type="checkbox"/> SUB_SURF_IMP_TOT_REL | <input type="checkbox"/> SUB_SURF_RELEASE_RANGE_CODE |
| <input type="checkbox"/> SURF_IMP_BASIS_EST_CODE | <input type="checkbox"/> SURF_IMP_RELEASE_NA | <input type="checkbox"/> SURF_IMP_TOT_REL |
| <input type="checkbox"/> SURF_RELEASE_RANGE_CODE | <input type="checkbox"/> TOTAL_OFF_SITE_RELEASE | <input type="checkbox"/> TOTAL_ON_OFFSITE_RELEASE |
| <input type="checkbox"/> TOTAL_ON_SITE_RELEASE | <input type="checkbox"/> TOTAL_PRODUCTION_RELATED_WASTE | <input type="checkbox"/> TRADE_SECRET_IND |
| <input type="checkbox"/> TREATED_OFFSITE_CURR_YR_NA | <input type="checkbox"/> TREATED_OFFSITE_CURR_YR_QTY | <input type="checkbox"/> TREATED_OFFSITE_FOLL_YR_NA |
| <input type="checkbox"/> TREATED_OFFSITE_FOLL_YR_QTY | <input type="checkbox"/> TREATED_OFFSITE_PREV_YR_NA | <input type="checkbox"/> TREATED_OFFSITE_PREV_YR_QTY |
| <input type="checkbox"/> TREATED_OFFSITE_SECD_YR_NA | <input type="checkbox"/> TREATED_OFFSITE_SECD_YR_QTY | <input type="checkbox"/> TREATED_ONSITE_CURR_YR_NA |
| <input type="checkbox"/> TREATED_ONSITE_CURR_YR_QTY | <input type="checkbox"/> TREATED_ONSITE_FOLL_YR_NA | <input type="checkbox"/> TREATED_ONSITE_FOLL_YR_QTY |
| <input type="checkbox"/> TREATED_ONSITE_PREV_YR_NA | <input type="checkbox"/> TREATED_ONSITE_PREV_YR_QTY | <input type="checkbox"/> TREATED_ONSITE_SECD_YR_NA |
| <input type="checkbox"/> TREATED_ONSITE_SECD_YR_QTY | <input type="checkbox"/> TRIBE | <input checked="" type="checkbox"/> TRI_CHEM_ID |
| <input checked="" type="checkbox"/> TRI_FACILITY_ID | <input type="checkbox"/> UIC_ADD_IND | <input type="checkbox"/> UIC_NUM_1 |
| <input type="checkbox"/> UIC_NUM_2 | <input type="checkbox"/> UNINJ_8795_BASIS_EST_CODE | <input type="checkbox"/> UNINJ_8795_RELEASE_NA |
| <input type="checkbox"/> UNINJ_8795_RELEASE_RANGE_CODE | <input type="checkbox"/> UNINJ_8795_TOT_REL | <input type="checkbox"/> UNINJ_IIV_BASIS_EST_CODE |
| <input type="checkbox"/> UNINJ_IIV_RELEASE_NA | <input type="checkbox"/> UNINJ_IIV_RELEASE_RANGE_CODE | <input type="checkbox"/> UNINJ_IIV_TOT_REL |
| <input type="checkbox"/> UNINJ_I_BASIS_EST_CODE | <input type="checkbox"/> UNINJ_I_RELEASE_NA | <input type="checkbox"/> UNINJ_I_RELEASE_RANGE_CODE |
| <input type="checkbox"/> UNINJ_I_TOT_REL | <input type="checkbox"/> UNINI_TOTAL_RELEASE | <input type="checkbox"/> USED_PROCESSED |

Form R & A Download: Output

| | | |
|--|---|---|
| <input type="checkbox"/> UIC_NUM_2 | <input type="checkbox"/> UNINJ_8795_BASIS_EST_CODE | <input type="checkbox"/> UNINJ_8795_RELEASE_NA |
| <input type="checkbox"/> UNINJ_8795_RELEASE_RANGE_CODE | <input type="checkbox"/> UNINJ_8795_TOT_REL | <input type="checkbox"/> UNINJ_IIV_BASIS_EST_CODE |
| <input type="checkbox"/> UNINJ_IIV_RELEASE_NA | <input type="checkbox"/> UNINJ_IIV_RELEASE_RANGE_CODE | <input type="checkbox"/> UNINJ_IIV_TOT_REL |
| <input type="checkbox"/> UNINJ_I_BASIS_EST_CODE | <input type="checkbox"/> UNINJ_I_RELEASE_NA | <input type="checkbox"/> UNINJ_I_RELEASE_RANGE_CODE |
| <input type="checkbox"/> UNINJ_I_TOT_REL | <input type="checkbox"/> UNINJ_TOTAL_RELEASE | <input type="checkbox"/> USED_PROCESSED |
| <input type="checkbox"/> WATER_BASIS_EST_CODE_1 | <input type="checkbox"/> WATER_BASIS_EST_CODE_2 | <input type="checkbox"/> WATER_BASIS_EST_CODE_3 |
| <input type="checkbox"/> WATER_BODIES_ADD_IND | <input type="checkbox"/> WATER_BODY_NAME_1 | <input type="checkbox"/> WATER_BODY_NAME_2 |
| <input type="checkbox"/> WATER_BODY_NAME_3 | <input type="checkbox"/> WATER_RELEASE_1 | <input type="checkbox"/> WATER_RELEASE_2 |
| <input type="checkbox"/> WATER_RELEASE_3 | <input type="checkbox"/> WATER_RELEASE_NA_1 | <input type="checkbox"/> WATER_RELEASE_NA_2 |
| <input type="checkbox"/> WATER_RELEASE_NA_3 | <input type="checkbox"/> WATER_RELEASE_RANGE_CODE_1 | <input type="checkbox"/> WATER_RELEASE_RANGE_CODE_2 |
| <input type="checkbox"/> WATER_RELEASE_RANGE_CODE_3 | <input type="checkbox"/> WATER_STORM_WATER_NA_1 | <input type="checkbox"/> WATER_STORM_WATER_NA_2 |
| <input type="checkbox"/> WATER_STORM_WATER_NA_3 | <input type="checkbox"/> WATER_TOTAL_RELEASE | <input type="checkbox"/> ZIP_CODE |

[View HTML Table](#) [Reset](#) [Output to CSV File](#)

Output Example

| CHEM_NAME | FACILITY_NAME | STACK_BASIS_ES | STACK_TOT_REL |
|-------------------------------------|------------------------------|----------------|---------------|
| VANADIUM COMPOUNDS | BARRY STEAM PLANT | E1 | 2000 |
| COPPER COMPOUNDS | BARRY STEAM PLANT | E1 | 129.7 |
| ZINC COMPOUNDS | DUKE ENERGY INDIANA INC - CA | E2 | 555 |
| HYDROCHLORIC ACID (1995 AND AFTER | DUKE ENERGY INDIANA INC - CA | E2 | 787 |
| POLYCYCLIC AROMATIC COMPOUNDS | COMMONWEALTH UTILITIES CO | E1 | 0 |
| NICKEL COMPOUNDS | BRUNNER ISLAND STEAM ELECT | E1 | 0.0050546 |
| DIOXIN AND DIOXIN-LIKE COMPOUNDS | BRUNNER ISLAND STEAM ELECT | E1 | 205 |
| 1,2,4-TRIMETHYLBENZENE | FPL ENERGY WYMAN LLC WF W | E1 | 5.6 |
| SULFURIC ACID (1994 AND AFTER "ACID | FPL ENERGY WYMAN LLC WF W | E1 | 0.002572 |

| | |
|----|---|
| M1 | Estimate is based on continuous monitoring data or measurements for the EPCRA Section 313 chemical. |
| M2 | Estimate is based on periodic or random monitoring data or measurements for the EPCRA Section 313 chemical. |
| C | Estimate is based on mass balance calculations, such as calculation of the amount of the EPCRA Section 313 chemical in streams entering and leaving process equipment. |
| E1 | Estimate is based on published emission factors, such as those relating release quantity to through-put or equipment type (e.g., air emission factors). |
| E2 | Estimate is based on-site specific emission factors, such as those relating release quantity to through-put or equipment type (e.g., air emission factors). |
| O | Estimate is based on other approaches such as engineering calculations (e.g., estimating volatilization using published mathematical formulas) or best engineering judgment. This would include applying estimated removal efficiency to a waste stream, even if the composition of the stream before treatment was fully identified through monitoring data. |

Output Example

| CHEM_NAME | FACILITY_NAME | ONS_METHOD_CODE | ONS_METHOD_CODES |
|-------------------------------------|------------------------------|-----------------|------------------|
| VANADIUM COMPOUNDS | BARRY STEAM PLANT | A05 | A07 |
| COPPER COMPOUNDS | BARRY STEAM PLANT | A05 | A07 |
| ZINC COMPOUNDS | DUKE ENERGY INDIANA INC - CA | H123 | H123 |
| HYDROCHLORIC ACID (1995 AND AFTER | DUKE ENERGY INDIANA INC - CA | H123 | |
| POLYCYCLIC AROMATIC COMPOUNDS | COMMONWEALTH UTILITIES CO | | |
| NICKEL COMPOUNDS | BRUNNER ISLAND STEAM ELECT | H123 | |
| DIOXIN AND DIOXIN-LIKE COMPOUNDS | BRUNNER ISLAND STEAM ELECT | H123 | |
| 1,2,4-TRIMETHYLBENZENE | FPL ENERGY WYMAN LLC WF W | | |
| SULFURIC ACID (1994 AND AFTER "ACID | FPL ENERGY WYMAN LLC WF W | | |

| | |
|------|--|
| A01 | Flare |
| A02 | Condenser |
| A03 | Scrubber |
| A04 | Absorber |
| A05 | Electrostatic Precipitator |
| A06 | Mechanical Separation |
| A07 | Other Air Emission Treatment |
| H040 | Incineration--thermal destruction other than use as a fuel |
| H071 | Chemical reduction with or without precipitation |
| H073 | Cyanide destruction with or without precipitation |
| H075 | Chemical oxidation |

| | |
|------|--|
| H076 | Wet air oxidation |
| H077 | Other chemical precipitation with or without pre-treatment |
| H081 | Biological treatment with or without precipitation |
| H082 | Adsorption |
| H083 | Air or steam stripping |
| H101 | Sludge treatment and/or dewatering |
| H103 | Absorption |
| H111 | Stabilization or chemical fixation prior to disposal |
| H112 | Macro-encapsulation prior to disposal |
| H121 | Neutralization |
| H122 | Evaporation |
| H123 | Settling or clarification |

Basis of Estimate Codes

| | |
|----|---|
| M1 | Estimate is based on continuous monitoring data or measurements for the EPCRA Section 313 chemical. |
| M2 | Estimate is based on periodic or random monitoring data or measurements for the EPCRA Section 313 chemical. |
| C | Estimate is based on mass balance calculations, such as calculation of the amount of the EPCRA Section 313 chemical in streams entering and leaving process equipment. |
| E1 | Estimate is based on published emission factors, such as those relating release quantity to through-put or equipment type (e.g., air emission factors). |
| E2 | Estimate is based on-site specific emission factors, such as those relating release quantity to through-put or equipment type (e.g., air emission factors). |
| O | Estimate is based on other approaches such as engineering calculations (e.g., estimating volatilization using published mathematical formulas) or best engineering judgment. This would include applying estimated removal efficiency to a waste stream, even if the composition of the stream before treatment was fully identified through monitoring data. |

Waste Stream Codes

| | |
|---|--|
| A | Gaseous (gases, vapors, airborne particulates) |
| W | Wastewater (aqueous waste) |
| L | Liquid waste streams (non-aqueous waste) |
| S | Solid waste streams (including sludges and slurries) |

Waste Treatment Codes

| | |
|------|--|
| A01 | Flare |
| A02 | Condenser |
| A03 | Scrubber |
| A04 | Absorber |
| A05 | Electrostatic Precipitator |
| A06 | Mechanical Separation |
| A07 | Other Air Emission Treatment |
| H040 | Incineration--thermal destruction other than use as a fuel |
| H071 | Chemical reduction with or without precipitation |
| H073 | Cyanide destruction with or without precipitation |
| H075 | Chemical oxidation |