

Supporting Statement for an Information Collection Request (ICR) Under The Paperwork Reduction Act (PRA)

EXECUTIVE SUMMARY

Identification of the Information Collection

Title and Number of the Information Collection

Title: Toxic Chemical Release Reporting
EPA ICR No.: 2613.07
OMB Control No.: 2070-0212
Docket ID No.: EPA-HQ-OPPT-2020-0078

Abstract

This Information Collection Request (ICR) covers the information collection activities and related burden associated with EPA's Toxics Release Inventory (TRI) Program. Pursuant to section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA, 42 U.S.C. 11001 et seq.), certain facilities that manufacture, process, or otherwise use specified toxic chemicals in amounts above reporting threshold levels as provided in 40 CFR 372.25 must submit annually to EPA and to their designated state or Indian country officials toxic chemical release forms containing information specified by EPA; see 42 U.S.C. 11023. In addition, pursuant to section 6607 of the Pollution Prevention Act (PPA, 42 U.S.C. 13101 et seq.), facilities reporting under section 313 of EPCRA must also report pollution prevention and waste management data, including recycling information, for such chemicals; see 42 U.S.C. 13106. EPA compiles and stores these reports in a publicly accessible database known as TRI.¹

Currently, facilities subject to the TRI reporting requirements may use either the EPA TRI Form R (referred to as "Form R"; EPA Form No. 9350-1) or, if they meet alternate threshold requirements, the EPA TRI Form A Certification Statement² (referred to as "Form A"; EPA Form No. 9350-2). With Form R, a facility reports one chemical per form. With Form A, a facility may report multiple chemicals per form.³

Pursuant to EPCRA section 313 (and PPA section 6607, because of its linkage to EPCRA), EPA collects, processes, and makes available to the public all the information collected. EPA stores the information gathered under these authorities in a database publicly available through the Internet⁴. The TRI data are

¹ Certain sectors are subject to TRI reporting. For a complete listing of the North American Industry Classification System (NAICS) codes subject to TRI reporting; see 40 CFR 372.23.

² The Form A submission requires a Certification Statement confirming that the sum of amounts of the chemical in releases and waste does not exceed the appropriate release and waste annual reportable amounts for that reporting year.

³ For the full set of instructions and Forms, refer to https://ofmpub.epa.gov/apex/guideme_ext/f?p=guideme_ext:41.

⁴ TRI Data and Tools are available at <https://www.epa.gov/toxics-release-inventory-tri-program/tri-data-and-tools>

unique in providing a multi-media (air, water, and land) picture of toxic chemical releases, transfers, and other waste management activities by covered facilities on an annual basis.

EPA, other federal, state, tribal and local government agencies; industry; and the public use TRI extensively. Program offices within EPA and other government agencies have used TRI, along with other sources of data, to establish priorities, evaluate potential exposure scenarios, and conduct enforcement activities. Industries use TRI data to identify pollution prevention opportunities and set goals for emissions reductions. Environmental and public interest groups use TRI data to make the public more aware of releases of chemicals in their communities, as well as to initiate direct negotiation and risk reduction with facilities.

In addition, under EPCRA section 313(b)(2), EPA has the authority to extend TRI reporting requirements to specific facilities that manufacture, process, or otherwise use a TRI-listed toxic chemical, but who are not covered by TRI reporting requirements as described at 40 CFR part 372. The Administrator may determine a specific facility warrants TRI reporting on the basis of a chemical’s toxicity, the facility’s proximity to other facilities that release the chemical or to population centers, the facility’s history of releases of the chemical, or other factors that the Administrator deems appropriate.

In this ICR, EPA is consolidating the following ICRs into the renewal:

- Changes to Reporting Requirements for Per- and Polyfluoroalkyl Substances; Community Right-to-Know Toxic Chemical Release Reporting, Final Rule (RIN 2070-AK97)(OMB Control No. 2070-0225; EPA ICR No. 2724.02);
- Addition of Natural Gas Processing Facilities to the Toxics Release Inventory (TRI), Final Rule (OMB Control No. 2070-0206; EPA ICR No. 2560.02); and
- Parent Company Definition for TRI Reporting, Final Rule(OMB Control No. 2070-0216; EPA ICR No. 2597.02)

In addition, the TRI Program proposes to revise data elements for the reporting Form R and Form A, though these proposed revisions should have a negligible impact on form burden.

Summary Total Burden and Cost (2023 dollars)

Activity	Number of Facilities	Annual Responses	Responses per respondents	Annual Burden (Hours)	Annual Cost
INDUSTRY					
Form A	6,134	6,134	1	212,681	\$16,850,692
Form R	23,352	78,156	3.3	2,790,555	\$221,095,644
Non-Form				839,052	\$66,478,090

(constant)					
INDUSTRY TOTAL	25,271	84,290	3.3	3,842,287	\$304,424,425
AGENCY TOTAL					\$3,605,419
Note: The total number of facilities responding (25,271) is not equal to the sum of Form R and Form A respondents as some facilities may file both Form Rs and Form As.					

SUPPORTING STATEMENT

1. Explain the circumstances that make the collection of information necessary. Identify any legal or administrative requirements that necessitate the collection. Attach a copy of the appropriate section of each statute and regulation mandating or authorizing the collection of information.

This information collection activity is a statutory requirement pursuant to EPCRA section 313 and PPA section 6607. According to EPCRA section 313(h), the purpose of the data collected by the forms is to "inform persons about releases of toxic chemicals to the environment; to assist governmental agencies, researchers, and other persons in the conduct of research and data gathering; to aid in the development of appropriate regulations, guidelines, and standards; and for other similar purposes." Section 6607 of the PPA establishes a national policy to prevent or reduce pollution at the source whenever feasible. To further this goal, EPA collects and disseminates information intended to fulfill that responsibility in part and to provide a basis for measuring progress in pollution prevention. EPA's regulations implementing TRI reporting are codified at 40 CFR part 372. Each covered facility must report on each listed chemical manufactured, processed, or otherwise used in excess of the reporting thresholds established in EPCRA section 313(f)(1).

EPA established an alternate threshold⁵ under EPCRA section 313(f)(2) for a category of facilities with smaller amounts of a listed toxic chemical in wastes. A facility with such smaller amounts of listed chemicals in wastes may submit an EPA TRI Form A for the reportable chemicals instead of a Form R for each reportable chemical. Note that a Form A may contain multiple chemicals. Form A submissions foster continued attention to chemical management practices and provide important facility identification information. With a Form A, EPA and the general public receive a specific indication annually that a facility has a certain chemical; however, facilities provide less extensive reporting on chemicals when using the alternate threshold.

⁵ EPA has authority to revise the threshold amounts pursuant to EPCRA section 313(f)(2) provided that revised threshold amounts still result in reporting on a substantial majority of total releases of the chemical at all facilities subject to EPCRA section 313. A revised threshold may be based on classes of chemicals or categories of facilities.

The information collected on the Form R, or alternatively on the shorter Form A, fulfills EPA's responsibilities under EPCRA section 313(f)(2), addressing the statutory mandates and the public's right-to-know. Table 1 summarizes the information reported by facilities on the two types of TRI reporting forms.

Table 1: Form R and Form A Information Collection

Information Collected	Form R	Form A
Location of facilities manufacturing, processing or otherwise using these chemicals	√	√
Indication that the chemicals are being manufactured, processed or otherwise used at current reporting thresholds	√	√
Certification that the sum of amounts of the chemical in releases and waste did not exceed the appropriate Non-PBT or PBT (lead in stainless steel, brass, or bronze alloy) release and waste annual reportable amounts for that reporting year		√
Accounting of quantities of chemicals entering environmental mediums on site	√	
Disclosure of chemical transfers to off-site locations	√	
Description of on-site waste treatment, energy recovery, and recycling processes	√	
Accounting of other disposal, source reduction and recycling activities	√	
Additional optional information on source reduction, recycling and pollution control activities	√	

2. Indicate how, by whom, and for what purpose the information is to be used. Except for a new collection, indicate the actual use the agency has made of the information received from the current collection.

The overall goal of the TRI Program is to provide communities with information about toxic chemical releases and other waste management activities and to support informed decision making by industry, government, non-governmental organizations, and the public.⁶ The Program's success is due, in large part, to EPCRA's right-to-know provisions. By requiring that the resulting data be made publicly available "by electronic and other means," Congress ensured that the general public, the media, environmental and public interest groups, researchers, the business community, and others could evaluate and influence industry's efforts to manage toxic emissions. Consequently, EPA makes available data collected under EPCRA section 313 and PPA section 6607 through data access tools such as EPA's Envirofacts, TRI Explorer, and TRI Toxics Tracker. The TRI Program now provides the TRI Preliminary Dataset within weeks after the annual July 1 TRI reporting deadline. Each release consists of downloadable files provided on the TRI website (and accessible through Data.gov), as well as updated online data access tools.

EPA generally makes available the annual TRI National Analysis and the final dataset used for that analysis within seven months after the reporting deadline. In addition to providing information to the public via

⁶ U.S. EPA Toxics Release Inventory Program. <https://www.epa.gov/tri/>

electronic means, EPA also conducts outreach activities to make key groups and the public aware of TRI. Libraries in communities across the United States (in particular, members of the Federal Depository Library Program⁷) provide public access to TRI data.

EPA, other federal, state, tribal and local government agencies; industry; and the public use TRI extensively. EPA uses TRI data, along with other data, to help establish programmatic priorities, evaluate potential hazards to human health and the environment, and undertake appropriate regulatory and/or enforcement activities. Environmental and public interest groups use the data to better understand toxic chemical releases at the community level and to work with industry, government agencies, and others to promote reductions in toxic chemical releases. Industries use TRI data to evaluate the efficiency of their production processes and to help track and communicate their progress in achieving pollution prevention goals. States use the TRI data to compare toxic chemical releases and other waste management approaches within specific industries and to set environmental priorities at the state level. See EPA's *The Toxics Release Inventory in Action: Media, Government, Business, Community and Academic Uses of TRI Data* for more detailed descriptions of how these organizations use TRI data.⁸ EPA encourages TRI data users to provide feedback on ways to improve TRI products and services.

3. Describe whether, and to what extent, the collection of information involves the use of automated, electronic, mechanical, or other technological collection techniques or other forms of information technology, e.g., permitting electronic submission of responses, and the basis for the decision for adopting this means of collection. Also describe any consideration of using information technology to reduce burden.

Effective January 21, 2014, EPA requires the electronic submission of TRI Form R/Form A through the Internet via EPA's Central Data Exchange (CDX)⁹ by using the [Toxics Release Inventory Made Easy Web \(TRI-MEweb\)](#) reporting software (except for trade secret reports, which must be submitted on hard copy). TRI-MEweb helps facilities prepare high-quality reports more easily than they could by using paper reporting forms due to a number of technology advances, including built-in data quality checks.

Additionally, EPA has made reporting via TRI-MEweb more automated for facilities. Once facility-level information (including parent company data) is submitted in TRI-MEweb, the data remain in TRI-MEweb and are automatically populated for each chemical reporting form. For the parent company data element, EPA has incorporated a drop-down list of known TRI parent company names in the standardized format to assist facilities in identifying their parent company and the standardized format for reporting purposes.

⁷ Federal Depository Library Program. <https://www.gpo.gov/how-to-work-with-us/agency/services-for-agencies/federal-depository-library-program>

⁸ The Toxics Release Inventory in Action: Media, Government, Business, Community and Academic Uses of TRI Data. https://www.epa.gov/sites/default/files/documents/tri_in_action_final_report_july_2013.pdf.

⁹ EPA Central Data Exchange. <https://cdx.epa.gov/>

4. Describe efforts to identify duplication. Show specifically why any similar information already available cannot be used or modified for use for the purposes described in Item 2 above.

The basic information requested on Form R/Form A is required to be reported by law. Other statutes, however, also necessitate the reporting of information about releases of chemicals to the environment, as well as transfers, treatment, and source reduction and recycling activities, creating the possibility of overlap or duplication of reporting requirements. EPA anticipates some overlap and notes that section 313(g)(2) of EPCRA specifies that respondents may use readily available data collected pursuant to other provisions of law to complete the EPCRA section 313 reports. Information required by these other statutes may not provide readily accessible multi-media release and transfer, inventory, or pollution prevention data with the same scope, level of detail, chemical coverage, and frequency of collection as data currently included in TRI.

Several existing data sources contain media-specific data on releases and transfers, chemical inventory data, or pollution prevention information. In theory, information from these databases could be combined to form an analog of release and transfer data contained in TRI. However, given the currently available data sources (see Table 2 and the Appendix), this substitution is extremely unlikely. For example, differences exist across the databases in chemical coverage and facility coverage, as well as differences in the level of public access, reporting frequency, and the integration of data from various sources at the facility level. TRI contains information on releases, transfers, and other waste management activities for 794 individually listed chemicals and 33 chemical categories. The following sections describe other sources of chemical releases and transfers, chemical inventory, and pollution prevention data and compare these sources with TRI.

Chemical Release and Transfer Data

TRI contains information on toxic chemicals handled by facilities, including details on quantities of chemicals managed through disposal or other release, recycling, energy recovery or treatment. These data include: 1) on-site releases with details on releases by environmental media (e.g., stack or point air emissions, discharges to receiving streams or water bodies, etc.), and 2) off-site transfer data with details on the off-site locations that receive transfers and the disposal, treatment, energy recovery, or recycling methods used to manage the chemicals at the off-site locations. Waste management data include quantities that are treated, used for energy recovery, or recycled and are discussed in the section on pollution prevention below.

Table 2 presents a summary of national databases containing fixed location data on chemical releases and transfers, each of which are discussed in this section. The Appendix provides a comprehensive list of relevant data sources.

Table 2 - Federal Databases with Air Release, Water Discharge, and Waste Management Data

Data Source	Media and Chemical Coverage	Relevant Release Statistics Available	Ease of Database Substitution for TRI Data^a
National Emissions Inventory (NEI)	Contains annual emissions of 8 criteria air pollutants (CAPs) and 187 hazardous air pollutants (HAPs) for facilities.	Total annual releases.	Includes air releases only. Data are updated only every 3 years. Coverage of TRI chemicals is limited. Historically, TRI is the source of the NEI record for more than half of the facility-chemical records.
Integrated Compliance Information System- National Pollutant Discharge Elimination System (ICIS-NPDES)	Contains monthly discharge monitoring data for selected water parameters/pollutants and flow rates for all CWA major and many minor sources.	Concentration data; EPA now derives annual releases of pollutants for which concentrations and flows are reported as part of periodic discharge monitoring reports.	Includes a limited number of indicator parameters for which a monitoring requirement or discharge limit has been set. Many discharge parameters are not specific to an individual Chemical Abstract Service (CAS) number. Very limited monitoring data for minor dischargers. Historically, about three-quarters of facilities in TRI with water discharges greater than zero also have NPDES permit IDs.
Biennial Reporting System (BRS)	Contains annual volumes of RCRA wastes and how they are managed (offsite in the case of Large Quantity Generator and on-site in the case of treatment storage and disposal Facilities, TSDFs). Each waste stream is characterized by all applicable waste codes but volumes of each are not broken out. Data are reported once every two years.	Total annual off-site transfers of hazardous waste for land disposal; releases to publicly owned treatment works (POTWs).	Many RCRA waste codes are not specific to an individual CAS number. Quantities of chemicals in waste cannot be determined from BRS. Historically, about one-quarter of TRI reporting facilities also reported hazardous waste generation to RCRA.

^a "Ease of substitution" refers only to the potential of the information in the database to substitute for TRI reporting. It does not imply that the database is not adequate for the purposes for which it was designed.

Air Releases

The 1990 amendments to the Clean Air Act (CAA) require EPA to monitor and regulate the emissions of criteria air pollutants (CAPs) and hazardous air pollutants (HAPs), requiring EPA to identify the sources of these pollutants, quantify the sources by category, develop regulations, and then assess public health and environmental impacts. To facilitate this process, the Agency created two emissions inventories: the National Toxics Inventory (NTI) for HAPs and the National Emission Trends (NET) for CAPs. In 1999, the EPA combined these two databases to form the National Emissions Inventory (NEI).

NEI is EPA's compilation of estimates of air pollutants discharged on an annual basis and their sources. Five main categories organize NEI data: point sources (stationary), nonpoint sources (stationary), on-road sources (mobile), non-road sources (mobile), and events (fires). The compilation includes emissions estimates submitted by state, local and tribal air pollution control agencies, emissions estimates calculated by EPA, and emissions obtained from other sources. EPA uses the NEI to track emissions trends over time, develop regional pollutant reduction strategies, set and analyze regulations, perform air toxics risk assessments including inhalation risks and multi-pathway exposure, model air pollutant dispersion and deposition, and measure environmental performance as required by the Government Performance and Results Act.

Since 1996, EPA has compiled the NEI every three years. For 2008, the Agency reengineered the NEI business process to shorten the period between collecting data for a given inventory year and publication of those data. The most recent inventory is the 2023 NEI, which EPA will release in 2026.

While both NEI and TRI contain facility-chemical records with annual release estimates, there are a number of differences between the datasets, including which chemicals are in scope, the industrial sectors included, and the type of information collected (e.g., for which environmental media releases are collected and what other information besides environmental releases are collected).

- TRI reporting is required for 794 chemicals and 33 chemical categories known or reasonably anticipated to cause acute or chronic health effects or significant adverse environmental effects. NEI covers 8 Criteria Air Pollutants (CAPs) (i.e., carbon monoxide, volatile organic compounds, oxides of nitrogen, sulfur dioxide, particulate matter \leq 2.5 microns, particulate matter \leq 10 microns, ammonia, and lead) and 187 Hazardous Air Pollutants (HAPs). TRI covers two of the CAPs (ammonia and lead) and 181 of the 187 HAPs covered by NEI.
- NEI covers all sources of CAP and HAP emissions, including a number of sectors that are not included in TRI (e.g., agriculture, oil extraction, and construction).
- NEI includes county-level emissions estimates for area, mobile and other sources not found in TRI.
- TRI includes information on releases, including air emissions and other types of releases (e.g., surface water discharges, underground injection, and landfill disposal of toxic chemicals). NEI focuses entirely on air emissions.

- TRI includes source reduction and waste management data that can be used to assess pollution prevention trends on a facility basis. For some records, NEI provides more detailed emission source-specific data about releases, such as process descriptions, throughput, and stack height. The different information captured by the data systems largely reflects the different goals behind the development of the inventories. TRI's main purpose is to provide the public with information about potential chemical hazards. NEI, among other purposes, seeks to produce data that would support modeling and risk assessment needs.
- TRI has reporting thresholds such as employment on site and chemical use/manufacture. NEI does not have such thresholds and includes smaller facilities as point sources or area sources. For example, a facility must report to TRI only if it has 10 or more full-time employee equivalents and manufactures, processes, or otherwise uses any TRI-listed chemical in quantities greater than the established threshold (typically 25,000 pounds for manufacturing and processing and 10,000 pounds for otherwise use). PBT chemicals have lower thresholds for reporting to TRI. Organizations contributing to NEI are expected to submit release estimates for all CAA major facilities, defined as having the potential to emit 10 or more tons per year of one HAP or 25 tons per year or more of any combination of HAPs.
- TRI data are reported by individual facilities and certified by facility officials. NEI data are compiled from a variety of sources and methods.

In addition, EPA has worked in partnership with states as part of the E-Enterprise program to develop the Combined Air Emissions Reporting System (CAERS)¹⁰, which provides states an option for collecting of point source emissions (and all related data fields) from owner/operators and supports the requirement of the Air Emissions Reporting Requirements to report that data (EPA ICR No. 2170.08; OMB Control No. 2060-0580). States can voluntarily participate in CAERS using a variety of data flows that wholly or partly offset the necessity for states to develop and maintain their own electronic point source data collection system. CAERS also allows states to avoid purchasing such a system or from using less efficient paper forms. Any electronic data collection system has a user "front-end" for data entry and a "back-end" database to store and manage the data.

EPA recognizes potential duplication across certain federal emission data collection programs. For facilities that report using both CAERS and TRI-MEweb, CAERS may provide some burden reduction in reporting. CAERS is currently being used by several state, local, and tribal partners in Arizona and Pima County Arizona, Georgia, Idaho, Maine, Rhode Island, and Washington, D.C. with more states projected to onboard in the next few years., An eligible facility would first submit their detailed emissions information to CAERS. Then, TRI-MEweb can pull in the aggregated emissions information (as those data are more granular for NEI) and allow a reporter to confirm that the information from CAERS is accurate and should be submitted to TRI. This approach promotes burden reduction for owner/operators and data consistency, as appropriate, across agencies. While this feature is not appropriate to be used in all cases because of differences across the reporting programs (e.g., different facility definitions), there are cases in which the

¹⁰ Combined Air Emissions Reporting System. <https://www.epa.gov/combined-air-emissions-reporting/combined-air-emissions-reporting-system-caers>

reporting requirements align and therefore use of CAERS could promote burden reduction for owner/operators.

Water Discharges

The Integrated Compliance Information System–National Pollutant Discharge Elimination System (ICIS-NPDES)¹¹ is the repository of wastewater discharge monitoring and other CWA compliance activities (e.g., construction plans) required by CWA permits. The system also contains information about the compliance status, inspections, and enforcement actions related to facilities that discharge to surface waters. For entities permitted to discharge wastewater into navigable waters, ICIS-NPDES contains information on permit issuance and expiration dates, quantities of wastewater and concentrations of pollutants facilities are permitted to discharge, and monitoring data measuring facilities' discharges. ICIS-NPDES data are not directly comparable to TRI:

- Permit compliance data in ICIS-NPDES typically include monthly monitoring measures of pollutant concentrations in effluent discharges and measured flow, while TRI includes estimates of the total amount (in pounds) of a pollutant discharged to water. EPA now derives annual loadings from ICIS-NPDES, which is comparable to TRI releases to water.
- Monitoring required by the NPDES covers only parameters the permit writer deems necessary to ensure compliance with permit limits set for the protection of the receiving water. The selected chemicals in wastewater do not comprehensively cover all TRI chemicals discharged to surface water at specific facilities.

Waste Disposal

Under the Resource Conservation and Recovery Act (RCRA), large quantity generators (LQGs) and treatment, storage, and disposal facilities (TSDFs) must submit information on the generation, management, and final disposition of RCRA-defined hazardous wastes every other year. Biennial Reporters submit the following information about each waste generated or managed in the preceding calendar year: constituent waste codes; amounts generated; on- and off-site treatment, storage, and management; wastes received; and the identification of off-site shipment recipients. Facilities submit these biennial Hazardous Waste Reports to the state or EPA Regional office. Following processing by the states and EPA Regions, these biennial reports (BR) are transferred into the BR module of EPA's RCRAInfo system¹². Biennial Reporting data do not duplicate the information contained within TRI, as: (1) hazardous waste codes do not map to unique chemicals; (2) quantities of specific chemicals in the waste stream cannot be determined; and (3) reporting occurs every other year, as opposed to annually for TRI.

On-site Chemical Inventory Data

¹¹ ICIS-NPDES is the Clean Water Act (CWA) data system of record, replacing the Permit Compliance System (PCS). <https://enviro.epa.gov/envirofacts/icis-npdes/search>

¹²RCRAInfo. <https://www.epa.gov/enviro/rcrainfo-overview>

In addition to data pertaining to releases, on-site management, and transfers, TRI Form R requires reporting of the maximum amount of a qualifying chemical that is on site at any one time during the reporting year. A number of federal programs also require disclosure of the presence or handling of chemicals. Some that also require reporting of maximum amount on-site.

Under EPCRA section 312, the Emergency Response Program¹³ requires regulated facilities to submit annual inventory reports of hazardous chemicals stored on-site to their Local Emergency Planning Commission (LEPC) and the State Emergency Response Commission (SERC). The information contained in the Tier II reports surpasses the chemical inventory data requested on TRI Form R in terms of the chemicals covered, absence of thresholds, and level of detail. Tier II information is not submitted by the state SERCs or LEPCs to EPA and is generally not published online. Tier II is not considered a ready substitute for the portion of TRI concerning maximum amount of chemicals stored on site.

Under CAA section 112(r), facilities with processes that use or store more than a specified amount of certain flammable and toxic substances must develop and implement a risk management program called a Risk Management Plan (RMP) and submit to EPA a summary of their RMP. RMPs include the amounts (in pounds) of each substance that is processed or used, hazard assessments of the potential effects of hypothetical accident scenarios, a five-year history of accidental releases involving regulated substances at the facility, and information about the facility's accident prevention and emergency response programs. Facilities with processes that use or store more than a threshold amount (500–20,000 pounds) of a listed substance must file an RMP, including following a significant accidental release. Facilities must update and resubmit RMPs in events of operational changes, an accident, or every five years. RMP inventory data (i.e., identification of chemicals used and maximum amount on-site) do not substitute for TRI as: (1) RMP covers only 54 of the 827 TRI chemical and chemical compound categories¹⁴ and (2) RMP reporting occurs every five years, as opposed to annually for TRI.¹⁵

Under section 8(a) of the Toxic Substances Control Act (TSCA), chemical manufacturers and importers must report to EPA's Chemical Data Reporting (CDR) every four years. Facilities must report chemical production amounts for sites that produce (including import) 25,000 pounds or more of a TSCA inventory chemical substance during any one calendar year between submission periods. Facilities must also report downstream uses of their chemicals and characterize end uses of chemicals. CDR includes annual production volume, chemical concentration, and physical form data not found in TRI. CDR also contains a broader range of chemicals than TRI by covering the entire TSCA list. However, CDR reporting is applicable only to chemical manufacturers (including importers). Consequently, CDR reporting does not apply to industrial facilities in other sectors that process or otherwise use chemicals.

Under the Hazard Communication Standard (HCS) (20 CFR 1910.1200), the Occupational Safety and Health Administration (OSHA) requires that safety data sheets (SDSs) be prepared by manufacturers, importers,

¹³ Hazardous Chemical Inventory Reporting. <https://www.epa.gov/epcra/hazardous-chemical-inventory-reporting>

¹⁴ List of Regulated Substances Under the Risk Management Program. <https://www.epa.gov/rmp/list-regulated-substances-under-risk-management-plan-rmp-program>

¹⁵ Risk Management Program (RMP) Rule Overview. <https://www.epa.gov/rmp/risk-management-plan-rmp-rule-overview>

and distributors of hazardous chemicals present above their respective concentration limits and provided to downstream users to communicate information on these hazards. SDSs include certain required information such as product and chemical identification, composition and ingredient information, hazard identification, physical and chemical properties, and safety precautions to be used when handling or storing the hazardous substance. The HCS also describes optional information that may be included on an SDS, such as regulatory information. Under TRI's supplier notification requirements (40 CFR 372.45), a supplier of a mixture or trade name product which includes a TRI chemical would have to notify downstream suppliers (including TRI facilities, or customers who would subsequently distribute the product to TRI facilities) of the mixture or product's inclusion of the TRI chemical and the chemical's concentration. This notice must be provided at least with the first shipment of the year and after any product reformulation alters the concentration. If a mixture or trade name product is subject to both SDS and TRI supplier notification requirements, the supplier notification regulation allows the supplier to attach or incorporate the necessary information into the SDS to limit any duplicative requirements while providing necessary information on the presence for TRI chemicals for TRI reporting facilities. Both SDS and supplier notification regulations currently include a de minimis exemption to allow covered entities to disregard low concentrations of chemicals. However, the removal of the "de minimis" exemption for the TRI supplier notification requirement may mean an entity would need to provide a supplier notification requirement for a TRI chemical though it would not need to list the chemical substance on an SDS.

Pollution Prevention Data

TRI also collects pollution prevention data from reporting facilities. These data include quantities of chemicals managed by waste management practice (e.g., recycling, energy recovery, etc.) and source reduction activities implemented at the facility.

Under RCRA, facilities must report some pollution prevention data in their Biennial Hazardous Waste Reports (described above). While these biennial reports provide qualitative and quantitative pollution prevention information, facility and chemical coverage is not directly comparable to data required for TRI reporting. Biennial reports contain data on generation, transfer, and management of hazardous wastes. TRI reporting requires data on toxic chemicals in waste streams or process by-products (all production phases and media).

Under various state regulations, at least fourteen states¹⁶ implement mandatory pollution prevention programs for TRI filers, facilities that use toxic chemicals, or generators of hazardous waste. Pollution prevention data are collected under these programs and stored in databases administered by state environmental agencies. The types of pollution prevention data collected vary by state and may include both data similar to that collected by TRI (e.g., quantities of waste managed, source reduction activities) and details not found in TRI (e.g., pollution prevention plans, costs associated with waste management, etc.). However, no federal or state program collects all the pollution prevention data currently required by TRI.

¹⁶ Arizona, California, Georgia, Maine, Massachusetts, Minnesota, Mississippi, New Jersey, New York, Oregon, Tennessee, Texas, Vermont, and Washington.

5. If the collection of information impacts small businesses or other small entities, describe any methods used to minimize burden.

Under EPCRA section 313 (b)(1)(A), facilities with fewer than 10 full-time employees (or the equivalent) do not have to report. Two provisions that apply to TRI reporters universally, 1) the optional range reporting provision¹⁷ and 2) an alternate threshold allowing Form A eligibility, are particularly beneficial to non-exempt smaller facilities with small releases and wastes. In addition, EPA has taken several steps to minimize the burden for covered small businesses. EPA added a range reporting option to the Final Rule (53 FR 4500, February 16, 1988), which codified the EPCRA section 313 reporting requirements. Range reporting was the preferred option from the Regulatory Flexibility Act analysis to provide burden reduction for small businesses. Range reporting provides an option for releases of less than 1,000 pounds to be recorded as a code representing one of three ranges (1 to 10 pounds, 11 to 499 pounds, or 500 to 999 pounds) rather than as a specific estimate of the release amount. The benefit is not limited to small businesses. Facilities may not use range reporting on Form Rs for PBT chemicals.

In response to a petition from the Small Business Administration, EPA promulgated the alternate threshold (59 FR 61488, November 30, 1994), manifested in Form A reporting, as discussed in Section 1(b). Although any reporting facility meeting the criteria may use the alternate threshold, this alternate threshold may be particularly advantageous to small entities.

6. Describe the consequence to Federal program or policy activities if the collection is not conducted or is conducted less frequently, as well as any technical or legal obstacles to reducing burden.

EPCRA section 313 requires annual reporting. Section 313(i) permits EPA to modify the reporting frequency by rulemaking, but EPA must first notify Congress and then delay the initiation of such a rulemaking for at least 12 months, but no more than 24 months, from the date of the notification. In addition, EPA must find that the modification is consistent with the provisions of subsection (h) of section 313 based on:

- (i) experience from previously submitted toxic chemical release forms; and
- (ii) determinations made under paragraph (3).

Paragraph (3), in turn, provides that EPA must determine:

- (A) The extent to which information relating to the proposed modification provided on the toxic chemical release forms has been used by the Administrator or other agencies of the federal government, states, local governments, health professionals and the public.

¹⁷ Range reporting provides an option for releases of less than 1,000 pounds to be recorded as a code representing one of three ranges (1 to 10 pounds, 11 to 499 pounds, or 500 to 999 pounds) rather than as a specific estimate of the release amount. Range reporting is not permitted on Form Rs for PBT chemicals.

- (B) The extent to which information is (i) readily available to potential users from other sources, such as state reporting programs, and (ii) provided to the Administrator under another federal law or through a state program.
- (C) The extent to which the modification would impose additional and unreasonable burdens on facilities subject to the reporting requirements under this section.

Since TRI represents the best available multi-media database for tracking toxic chemical releases in the United States, a change in the reporting frequency to less than once a year could have a significant impact on the availability of timely toxic chemical data and affect data users, particularly at the community level. Additionally, public access to the most current toxic chemical release data and other waste management information would become more difficult.

7. Explain any special circumstances that would cause an information collection to be conducted in a manner:

- **requiring respondents to report information to the agency more often than quarterly;**
- **requiring respondents to prepare a written response to a collection of information in fewer than 30 days after receipt of it;**
- **requiring respondents to submit more than an original and two copies of any document;**
- **requiring respondents to retain records, other than health, medical, government contract, grant-in-aid, or tax records, for more than three years;**
- **in connection with a statistical survey, that is not designed to produce valid and reliable results that can be generalized to the universe of study;**
- **requiring the use of a statistical data classification that has not been reviewed and approved by OMB;**
- **that includes a pledge of confidentiality that is not supported by authority established in statute or regulation, that is not supported by disclosure and data security policies that are consistent with the pledge, or which unnecessarily impedes sharing of data with other agencies for compatible confidential use; or**
- **requiring respondents to submit proprietary trade secrets, or other confidential information unless the agency can demonstrate that it has instituted procedures to protect the information's confidentiality to the extent permitted by law.**

There are no special circumstances. The collection of information is conducted in a manner consistent with the guidelines in 5 CFR 1320.5(d)(2).

8. If applicable, provide a copy and identify the date and page number of publication in the Federal Register of the agency's notice, required by 5 CFR 1320.8(d), soliciting comments on the information collection prior to submission to OMB. Summarize public comments received in response to that notice and describe actions taken by the agency in response to these comments. Specifically address comments received on cost and hour burden.

Describe efforts to consult with persons outside the agency to obtain their views on the availability of data, frequency of collection, the clarity of instructions and recordkeeping, disclosure, or reporting format (if any), and on the data elements to be recorded, disclosed, or reported.

Consultation with representatives of those from whom information is to be obtained or those who must compile records should occur at least once every 3 years - even if the collection of information activity is the same as in prior periods. There may be circumstances that may preclude consultation in a specific situation. These circumstances should be explained.

Pursuant to 5 CFR 1320.8(d), EPA published a notice in the **Federal Register** on September 18, 2024 (89 FR 76470; FRL-11918-01-OCSP), announcing the planned renewal of this information collection activity, soliciting public comment on specific aspects of the ICR and providing a 60-day public comment period.

The EPA also consulted 9 stakeholders, specifically asking them for their assessment of the regulatory burden estimates expressed by the Agency in this ICR (Attachment 4). The stakeholders consulted were:

- American Chemistry Council,
- American Chemical Society,
- Vinyl Institute,
- Earth Justice,
- Environmental Working Group,
- Environmental Defense Fund,
- Chemours,
- National Association of Chemical Distributors, and
- U.S. Chamber of Commerce

The agency received one comment during the consultation but it was not substantive (Attachment 5).

9. Explain any decision to provide any payment or gift to respondents, other than remuneration of contractors or grantees.

This collection does not provide any payment or gift to respondents.

10. Describe any assurance of confidentiality provided to respondents and the basis for the assurance in statute, regulation, or agency policy. If the collection requires a systems of records notice (SORN) or privacy impact assessment (PIA), those should be cited and described here.

Respondents may designate the specific chemical identity of a substance as a trade secret according to EPCRA section 322. Procedures for submission and review of trade secret claims under EPCRA section

313 are set forth in 40 CFR 350. Trade secret submissions are only accepted on hard copy and must adhere to the requirements provided in 40 CFR 350 and 372.85(c)(3) and in the Reporting Forms and Instructions. When a facility claims the chemical identity to be a trade secret and properly substantiates the claim, EPA will not disclose the identity of the chemical to the public. EPA securely stores forms with trade secret information and allows access to those documents only to persons with Trade Secret clearance. Data made available to the public through any means do not include trade secret information.

11. Provide additional justification for any questions of a sensitive nature, such as sexual behavior and attitudes, religious beliefs, and other matters that are commonly considered private. This justification should include the reasons why the agency considers the questions necessary, the specific uses to be made of the information, the explanation to be given to persons from whom the information is requested, and any steps to be taken to obtain their consent.

No information of a sensitive or private nature is requested in conjunction with these information collection activities, and these information collection activities comply with the provisions of the Privacy Act of 1974 and OMB Circular A-108.

12. Provide estimates of the hour burden of the collection of information. The statement should:

- **Indicate the number of respondents, frequency of response, annual hour burden, and an explanation of how the burden was estimated. Unless directed to do so, agencies should not conduct special surveys to obtain information on which to base hour burden estimates. Consultation with a sample (fewer than 10) of potential respondents is desirable. If the hour burden on respondents is expected to vary widely because of differences in activity, size, or complexity, show the range of estimated hour burden, and explain the reasons for the variance. Generally, estimates should not include burden hours for customary and usual business practices.**
- **If this request for approval covers more than one form, provide separate hour burden estimates for each form and aggregate the hour burdens.**
- **Provide estimates of annualized cost to respondents for the hour burdens for collections of information, identifying and using appropriate wage rate categories. The cost of contracting out or paying outside parties for information collection activities should not be included here. Instead, this cost should be included under 'Annual Cost to Federal Government'.**

The reporting requirements found in EPCRA section 313 apply to owners and operators of facilities covered under EPCRA section 313(a). EPCRA section 313(a) includes facilities that meet the following three criteria: have 10 or more full-time employee equivalents (i.e., a total of 20,000 hours worked per year or greater; see 40 CFR 372.3); are included in a North American Industry Classification System (NAICS) Code listed at 40 CFR 372.23 or under Executive Order 13148; federal facilities regardless of their industry classification; and that manufacture (defined to include importing), process, or otherwise use any EPCRA

section 313 (TRI) chemical in quantities greater than the established thresholds for the specific chemical in the course of a calendar year. Section 313(a) also includes facilities that EPA has determined to extend TRI reporting requirements to under the authority at section 313(b)(2), and which also manufacture (including import), process, or otherwise use a TRI chemical above the respective activity threshold over the course of a year. Historically the TRI-covered industrial sectors were identified by their Standard Industrial Classification (SIC) codes. Beginning with Reporting Year (RY) 2006, the TRI Program converted from SIC codes to NAICS codes (71 FR 32464, June 6, 2006). The full list of NAICS codes for facilities that must report to TRI (including exemptions and/or limitations), if all other reporting thresholds are met, can be found at 40 CFR 372.23.

Form-Related Activities

Form R¹⁸: Facilities reporting to TRI report releases and other waste management of listed chemicals on Form R. The required data items, summarized below, are specified in 40 CFR 372.85. Form R consists of two sections. In **Part I**, respondents report facility identification information including: facility identification number; facility name and address; NAICS code; facility Dun and Bradstreet (D&B) number; parent company name; parent company D&B number; name, email address, and phone of the technical contact; and name, email address, and phone of the public contact. In **Part II**, respondents report on the toxic chemical identity, mixture component identity, activities and uses of the toxic chemical at the facility, maximum amount of the toxic chemical on site at any time during the calendar year, quantity of the toxic chemical entering each environmental medium on site, transfers of the toxic chemical in wastes to off-site locations, on-site waste treatment methods and efficiency, and source reduction and recycling activities.

On Form R **Schedule 1**, facilities reporting on dioxin and dioxin-like compounds report the individual grams data for each member of the dioxin and dioxin-like compounds category present. Form R Schedule 1 is a four-page form that mirrors the data elements from Form R Part II Chemical-Specific Information sections 5, 6, and 8 (current year only).

Form A: Form A consists of two sections. **Part I** solicits the same information as Part I of Form R (see list above) but requires a different certification statement that represents a signed statement by a facility owner/operator or senior management official. In contrast to Form R where reduced threshold eligibility is not an issue, the Form A signed statement certifies that the annual reportable amount as defined by 40 CFR 372.27(a) did not exceed 500 pounds for the reporting year, and that the amounts manufactured, or processed, or otherwise used did not exceed 1 million pounds for that year. In most instances, PBT chemicals may not be reported using Form A.¹⁹ In **Part II**, a facility may report multiple chemicals on a single Form A. Specifically Form A solicits the toxic chemical identity, and the mixture component identity.

¹⁸ Appendices D1, D2 and D3 provide copies of the Form A, Form R, and Form R Schedule 1, respectively. To access existing TRI Reporting Forms and Instructions, see https://ordspub.epa.gov/ords/guideme_ext/f?p=guideme:rfi-home.

¹⁹ The exception is lead in stainless steel, brass, or bronze alloys, which are not excluded from Form A eligibility.

Recordkeeping: In addition to annual reporting requirements, facilities must maintain records used to provide the information required on the form according to 40 CFR section 372.10. Those records may include estimation methodology and calculations; engineering reports; inventory, incident, and operating logs; and other supporting materials. Facilities must keep a copy of each report filed for at least three years.

Non-Form-Related Activities

Supplier Notification: Certain suppliers of mixtures or trade name products containing reportable substances must annually notify their customers of the product's composition if the customer is subject to EPCRA section 313 reporting. This activity includes the time required to inform customers, either by letter or through the materials safety data sheet (MSDS) for the product. EPA estimates the annual supplier notification burden to be 103,058 hours.²⁰

Non-Reporter Compliance Determination: In any given reporting year, some facilities will complete a compliance determination but will not file a Form R or Form A. The process for determining whether reporting is required is the same as described above under Form Activities. Given that compliance determination applies to all other facilities in NAICS-code-eligible sectors (with ten or more employees)—including those that ultimately do not report to TRI—this separate activity accounts for the latter category. EPA estimates the annual non-reporter compliance determination burden to be 734,976 hours.

Petitions: Any person may petition EPA to add or delete a chemical from the TRI toxic chemical list. EPA evaluates the toxicity of the chemical against the listing criteria established by Congress and makes a determination to grant or deny the petition request. If the petition is granted, EPA will propose a rule to add or delete the chemical and after reviewing the public comments will issue a final rule. If the petition is denied, EPA issues a notice explaining why the petition was denied. The activities required to prepare and file a petition include reading EPA policy and guidance documents and consult with EPA, prepare and conduct a literature search, write the petition, and submit to EPA. EPA estimates the annual petition burden to be 925 hours.

EPA provides the reporting community with instructions, guidance documents, training materials, and toll-free hotlines to assist them in completing and submitting their reporting forms to EPA. These materials are accessible online²¹.

Notification from EPA on potential application of discretionary authority: Under EPCRA section 313(b) (2), the EPA Administrator has the authority to apply TRI reporting requirements under section 313(a) to any facility that manufactures, processes, or otherwise uses a TRI-listed chemical, if the

²⁰ The RBBM (EPA, 2011) set the non-form burden at 825,517 hours annually. The Changes to Reporting Requirements for Per- and Polyfluoroalkyl Substances and to Supplier Notifications for Chemicals of Special Concern rule (88 Fed. Reg 74,360) incurred a 15% increase in supplier notification resulting in an increase of 13,442 hours, for a total of 838,959 hours of non-form burden, not including reviewing and responding to notice of potential discretionary authority applications.

²¹ TRI GuideME. https://ofmpub.epa.gov/apex/guideme_ext/f?p=guideme:home

Administrator determines the action is warranted on the basis of the chemical’s toxicity, the facility’s proximity to other facilities that release the chemical or to population centers, the history of releases of the chemical at such facility, or other factors as the Administrator deems appropriate. If EPA considers extending TRI reporting requirements to a facility under this discretionary authority, the Agency will first contact the facility to notify them of this potential action and the reason(s) EPA believes TRI reporting may be warranted. In this notification, EPA also invites the facility to provide a response or supplemental materials to inform the Agency’s final decision if they choose. For each facility receiving a notification on potential application of EPA’s discretionary authority, EPA estimates a total of one hour for the facility to review the notification and an additional two hours if the facility chooses to respond to EPA and/or submit additional materials. EPA estimates the annual burden of notification on potential application of EPA’s discretionary authority to be 93 hours.

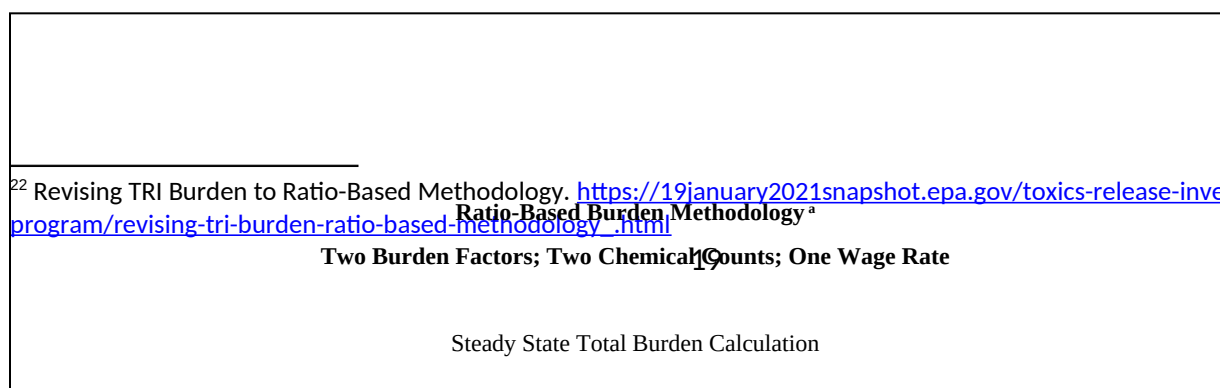
Ratio-Based Burden Methodology

As was done in the previous ICR, this ICR renewal uses EPA’s Ratio-Based Burden Methodology (RBBM)²², to estimate TRI respondent burden for both Form R and Form A reporting.

Ratio-Based Burden Methodology simplifies calculations, supports internal consistency, and sharpens transparency while retaining the components of the previous methodology and maintaining its overall total burden estimate as a starting point. For activities associated with filing TRI chemical reports, RBBM burden estimates include rule familiarization, reporter compliance determination, calculations and form completion, and recordkeeping. Similarly, for activities unrelated to form reporting (non-form burden) RBBM estimates include supplier notification, non-reporter compliance determination, and preparation and submission of petitions.

Figure 1 presents the equations of RBBM’s primary method: Steady State Total Burden Calculation. With RBBM’s calculation of form burden, the only variables/inputs required are total counts for Form R Chemicals and Form A Chemicals. The factors/constants of the equations include: 1) Nominal Form R unit burden, in units of burden hours per Form R Chemical and 2) A/R a model for the ratio of Form A (single-chemical) to Form R burden.

As shown in Figure 1, multiplying the Nominal Form R unit burden by the number of Form R Chemicals provides an estimate of the total Form R burden. Similarly, multiplying the Form A unit burden (formulated as the product of A/R and Nominal Form R unit burden) by the number of Form A Chemicals provides an estimate of the total Form A burden.



²² Revising TRI Burden to Ratio-Based Methodology. <https://19january2021snapshot.epa.gov/toxics-release-inventory-tri-program/revising-tri-burden-ratio-based-methodology.html>

Ratio-Based Burden Methodology^a
Two Burden Factors; Two Chemical Counts; One Wage Rate

Steady State Total Burden Calculation

Where:

Form R Burden = (Number of Form Rs) × (Nominal Form R Unit Burden)

Form A Burden = (Number of Form As) × (A/R) × (Nominal Form R Unit Burden)

Non-Form Burden = Supplier Notifications + Non-Reporter Compliance Determination + Petitions

EPA considers the burden estimates it uses to be average values for the reporting community overall. As with any average, some facilities will be above the average, and others will be below it. Large, complex facilities may require more than the average time to comply; however, many other facilities subject to the rule are not large or complex. Overall, EPA considers the TRI Program burden estimates to be reasonably representative of the reporting community overall, on average.

Table 3 presents the average annual burden hour estimates by form type.

(2) Steady State Total Cost = Steady State Total Burden * (WAWR)

Table 3 - Reporter Average Annual Burden Estimate by Form Type

Form Type	Unit Burden (Hours) per Form
Form R	35.70516
Form A	21.95867

Notes:
 1) Unit burdens include burden for all activities associated with filing a form, whether incurred at the facility level or the form level, including reporter compliance determination, rule familiarization, calculations and report completion, and recordkeeping and submission.
 2) Form A unit burden is set at 61.5% of nominal Form R unit burden.
 3) Burden per form does not include non-form burden (supplier notification, petitions, review of and response to notice of potential reporting under discretionary authority, and non-reporter compliance determination).

Any given facility may file only Form Rs, only Form As, or a combination of Form Rs and Form As. Table 4 provides more details on the distribution of reporting by form type among facilities. Note also that for a given Form A filing (where multiple chemicals can be reported on a single form), the average number of chemicals reported is 1.58. Overall, each facility reports an average of 3.48 chemicals (Rs and A's), with 11.03% of all chemicals filed via Form As.

**Table 4 - Form per Facility Distribution
(Based on the 2022 ICR with Updates for Recent Rulemakings)**

Form per Facility Distribution	Unique Facilities	Chemicals			Average Chemicals per Facility		
		Form R	Form A	Total	Form R	Form A	Total
Form A Only	1,919	0	3,931	3,931	0.00	2.05	2.05
Form R Only	19,137	65,247	0	65,247	3.41	0.00	3.41
Both Form R & Form A	4,215	12,909	5,755	18,663	3.06	1.37	4.43
Total	25,271	78,156	9,686	87,841	3.09	0.38	3.48

Notes:

- 1) Calculations are based on the 2022 ICR with updates to reflect additional reporting due to the Addition of Certain Chemicals to the TRI, Addition of Diisononyl Phthalate Category to the TRI, Changes to Reporting Requirement for Per- and Polyfluoroalkyl Substances and to Supplier Notification for Chemicals of Special Concern, the Addition of Natural Gas Processing Facilities to the TRI, as well as the additional forms resulting from the NDAA adding certain PFAS.
- 2) Approximately 75% percent of affected facilities filed three or fewer Form R chemicals in RY 2022. The most common number of Form R chemicals reported is one.
- 3) Approximately 94% percent of affected facilities filed two or fewer Form A chemicals in RY 2022. The most common number of Form A chemicals reported is zero (by facilities reporting Form A, the most common number of Form A chemicals reported is one).
- 4) The average number of Form A chemicals per Form A is 1.58.
- 5) The total average number of chemicals per facility across all types of facilities filing the form (Form A only, Form R only, Both Form R and Form A) is calculated by dividing the total number of chemicals by the total number of unique facilities.

Table 5 presents the annual estimated burden hours for the overall average conditions. These estimates represent the burden on a "typical" facility as defined by the facility filing the average number of chemicals (as represented by overall averages). As shown in Table 4, there are a variety of patterns for Form R and Form A Chemical filings by facility. Section 6(d) discusses the total annual burden to all facilities.

Table 5 - Form R and Form A Reporter Typical Annual Burden Based on Average Conditions per Facility in Steady State Burden Calculation

Form Type	Annual Average Facility Burden (Hours)
Form R Contribution [35.70516 hours per chemical × 3.09 chemicals per facility]	110.425
Form A Contribution [21.95867 hours per chemical × 0.38 chemicals per facility]	8.416
Overall Average	118.841

Estimating Labor Costs

EPA estimates labor burden for three separate labor categories (management, technical, and clerical) across multiple activities; it is necessary to obtain wage rates for each labor category to estimate labor costs and compute WAWR, as shown in Table 6.

Table 6 - Derivation of the Weighted Average Wage Rate (WAWR) (December 2023)

Wage Type	Managerial	Technical	Clerical
Wages and Salaries (a)	\$53.10	\$45.60	\$23.80
Total Benefits (b)	\$24.46	\$22.86	\$10.60
Total Compensation (c) = (a + b)	\$77.56	\$68.46	\$34.40
Overhead (d) = (c * 20%)	\$15.51	\$13.69	\$6.88
Total Loaded Hourly Wage Rate (e) = (c + d)	\$93.07	\$82.15	\$41.28
Labor Burden Weights	0.03	0.89	0.08
Weighted Average Wage Rate (WAWR)	\$79.23 ^a		

^a Individual numbers may not add to the total due to rounding.

Table 7 summarizes average respondent costs for Form R and Form A.

Table 7 - Form R and Form A Reporter Typical Annual Cost Estimate Based on Average Conditions per Facility in Steady State Burden Calculation (2023 dollars)

Form Type	Annual Average Facility Cost
Form R Contribution [35.70516 hours per chemical × 3.09 chemicals per facility × \$79.23]	\$8,748.99
Form A Contribution [21.95867 hours per chemical × 0.38 chemicals per facility × \$79.23]	\$666.80
Overall Average	\$9,415.79

Note that these estimates assume non-form burden to be a constant at 839,052 hours²³ with an associated cost of \$66,478,090. The components of this burden are:

- Petitions – 925 hours
- Supplier Notification – 103,058 hours
- Non Reporters' Compliance Determination – 734,976 hours
- Reviewing and responding to notice of potential discretionary authority application – 93 hours

EPA estimates the total cost associated with non-form burden by multiplying this constant by the WAWR (see Section 6(d) for total respondent cost associated with the TRI Program).

EPA uses the Steady State Total Burden method to estimate the total burden hours for all respondents under this ICR. EPA calculates Form R burden and Form A burden using unit burdens and single-chemical form counts; non-Form burden is a constant. These three burden components sum to calculate the Steady State Total Burden. Table 8 shows the assumed universe of TRI facilities and forms for both Form Rs and Form As for this ICR renewal.

**Table 8 - ICR Universe of TRI Facilities and Forms
(Based on the 2022 ICR with Updates for Recent Rulemakings)**

ICR Universe	Form R	Form A
	Number of Chemicals (Same as Number of Forms)	Number of Chemicals (Average of 1.59 Chemicals per Form)
Number of Facilities	23,352	6,134
Number of PBT Chemicals	15,225	0
Number of PFAS Chemicals	1,851	0

²³ The RBBM (EPA, 2011) set the non-form burden at 825,517 hours annually. The Changes to Reporting Requirements for Per- and Polyfluoroalkyl Substances and to Supplier Notifications for Chemicals of Special Concern rule (88 Fed. Reg 74,360) incurred a 15% increase in supplier notification resulting in an increase of 13,442 hours, for a total of 838,959 hours of non-form burden, not including reviewing and responding to notice of potential discretionary authority applications.

Number of Non-PBT and Non-PFAS Chemicals	61,080	9,686
Number of Total Chemicals	78,156	9,686

Notes:

- 1) The sum of facilities reporting Form R and Form A above does not equal 25,271 because some facilities report both Form Rs and Form As (see Table 4). The average number of Form R chemicals per facility is 3.09. The average number of Form A chemicals per facility is 0.38. The average number of chemicals per facility is 3.48.
- 2) The number of Form As is equal to the number of facilities reporting Form A chemicals (6,134). The number of chemicals per Form A is 1.58 (9,686 Form A chemicals ÷ 6,134 Form As). Note that burden per Form A chemical is the key unit for tracking burden associated with a Form A, and that the conversion to number of Form As (i.e., number of Form A responses) is done to satisfy certain burden accounting and reporting requirements.
- 3) Starting in Reporting Year 2024, PFAS are designated as “chemicals of special concern.” Form A Certification is no longer available for TRI reporting of PFAS.

Table 9 presents the total annual cost and burden estimates for both Form R and Form A. EPA determined the total annual reporting cost for all respondent facilities by multiplying the WAWR by the steady state total burden.

Table 9 - Total Annual Cost and Burden Estimate (2023 dollars)

Form Type	Unit Burden (Hours) Per Form	Number of Facilities ^b	Number of Responses ^c	Number of Form R or A Chemicals	Steady State Total Burden (Hours)	Steady State Total Cost
Form R	35.70516	23,352	78,156	78,156	2,790,555	\$221,095,644
Form A	21.95867	6,134	6,134	9,686	212,681	\$16,850,692
Non-Form (constant)	—	—	—	—	839,052	\$66,478,090
Total^a	—	25,271	84,290	87,841	3,842,287	\$304,424,425

^a The average number of responses per respondent is 3.48.

^b Calculations are based on the 2022 ICR with updates to reflect additional reporting due to the Addition of Certain Chemicals to the TRI, Addition of Diisononyl Phthalate Category to the TRI, Changes to Reporting Requirement for Per- and Polyfluoroalkyl Substances and to Supplier Notification for Chemicals of Special Concern, the Addition of Natural Gas Processing Facilities to the TRI, as well as the additional forms resulting from the NDAA adding certain PFAS

^c More than one chemical may be filed in each Form A.

13. Provide an estimate for the total annual cost burden to respondents or record keepers resulting from the collection of information. (Do not include the cost of any hour burden already reflected on the burden worksheet).

- **The cost estimate should be split into two components: (a) a total capital and start-up cost component (annualized over its expected useful life) and (b) a total operation and maintenance and purchase of services component. The estimates should take into account costs associated with generating, maintaining, and disclosing or providing the information. Include descriptions of methods used to estimate major cost factors including system and technology acquisition, expected useful life of capital equipment, the discount rate(s), and the time period over which costs will be incurred. Capital and start-up costs include, among other items, preparations for collecting information such as purchasing computers and software; monitoring, sampling, drilling and testing equipment; and record storage facilities.**
- **If cost estimates are expected to vary widely, agencies should present ranges of cost burdens and explain the reasons for the variance. The cost of purchasing or contracting out information collections services should be a part of this cost burden estimate. In developing cost burden estimates, agencies may consult with a sample of respondents (fewer than 10), utilize the 60-day pre-OMB submission public comment process and use existing economic or regulatory impact analysis associated with the rulemaking containing the information collection, as appropriate.**
- **Generally, estimates should not include purchases of equipment or services, or portions thereof, made: (1) prior to October 1, 1995, (2) to achieve regulatory compliance with requirements not associated with the information collection, (3) for reasons other than to provide information or keep records for the government, or (4) as part of customary and usual business or private practices.**

There are no specific capital and operation and maintenance costs associated directly with this information collection activity.

14. Provide estimates of annualized costs to the Federal government. Also, provide a description of the method used to estimate cost, which should include quantification of hours, operational expenses (such as equipment, overhead, printing, and support staff), and any other expense that would not have been incurred without this collection of information. Agencies may also aggregate cost estimates from Items 12, 13, and 14 in a single table.

EPA incurs burden and costs for three categories of activities: RFI and Compliance Assistance; TRI Reporting Software and Related Data Collection and Exchange; and Data Processing. Table 10 outlines these activities in detail.

Table 10 - EPA Activities for Collecting, Processing, and Managing TRI Data

Category	Description
Reporting Forms and Instructions (RFI) and Compliance Assistance	<ul style="list-style-type: none"> • Revising the TRI Reporting Forms and Instructions (RFI) • Updating the online TRI Training Modules • Providing technical and regulatory support hotlines • Providing online Frequently Asked Questions and Answers
TRI Reporting Software and Related Data Collection and Exchange	<ul style="list-style-type: none"> • Revising the TRI-MEweb reporting software • Pre-populating TRI-MEweb with facility information from the previous year • Providing support for facilities to submit and certify their TRI reports using TRI-MEweb and the Central Data Exchange • Supporting simultaneous reporting to EPA and the States for facilities that are located in states that participate in the TRI State Data Exchange • Related infrastructure investments and program management for TRI-MEweb and the TRI Data Exchange
Data Processing	<ul style="list-style-type: none"> • Processing the submitted data • Conducting data quality checks • Entering data from paper forms into the TRI Processing System (TRIPS) – trade secret reports only • Disseminating data files for use in TRI-related applications • Related infrastructure investments and program management for TRIPS

Table 11 presents the estimate of EPA burden specific to RFI and Compliance Assistance, TRI Reporting Software and Related Data Collection and Exchange, and Data Processing, in terms of Agency costs and number of FTEs.

Table 11 - Agency Costs and FTEs to Support the Collection, Processing, and Management of TRI Form Submissions (2023 dollars)

Description	Non-FTE Cost ^a	FTE ^b
RFI and Compliance Assistance	\$30,000	2
TRI Reporting Software and Related Data Collection/Exchange IT Infrastructure	\$1,115,000	1.5
Data Processing	\$1,326,000	1.5
Subtotal	\$2,471,000	5
Total	\$2,471,000	\$1,134,419
Agency Grand Total: \$3,605,419		
^a E-mail communication with TRI Data Processing Center, August 7, 2024. ^b Based on actual headcounts for RY2023. Assume GS-13, Step 1 federal employee in the Washington-Baltimore-Northern Virginia area. The loaded wage rate for a GS-13, Step 1 employee is \$109.08 per hour. This estimate includes a base wage of \$55.46 per hour plus benefits and overhead.		

As of January 21, 2014, all non-trade secret forms must be submitted electronically. The estimated data processing costs include fixed costs (overhead) and variable costs, which depend on the number and type of form submissions. The cost of processing TRI forms is approximately \$99.19 per chemical for paper submissions (the cost of processing a Trade Secret Form). EPA estimates that the processing cost for *TRI-MEweb* submissions is \$8.57 per form (E-mail communication with the TRI Data Processing Center, August 16, 2024). The total annual Agency cost for items, as shown in Table 11, is \$3,605,419.

15. Explain the reasons for any program changes or adjustments in hour or cost burden.

Since OMB's approval of the last ICR renewal, there was an overall average increase of 5,667 Form Rs, and an increase of 2,044 Form As, as estimated to be submitted to EPA. The basis for the estimates is derived from the 2022 ICR with updates to reflect additional reporting due to the Addition of Certain Chemicals to the TRI, Addition of Diisononyl Phthalate Category to the TRI, Changes to Reporting Requirement for Per- and Polyfluoroalkyl Substances and to Supplier Notification for Chemicals of Special Concern, the Addition of Natural Gas Processing Facilities to the TRI, as well as the additional forms resulting from the NDAA adding certain PFAS. This ICR renewal also includes incremental changes as a result of amendments to the TRI program. For example, EPA exercised its discretionary authority to apply TRI reporting requirements to 29 particular facilities, for specified chemicals as well as applying the chemicals of special concern designation to PFAS added pursuant to the National Defense Authorization Act for Fiscal Year 2020. There was also an increase of 13,442 non-form (constant) burden hours from the current approved ICR; this increase reflects the increase in supplier notification burden as a result of the Changes to Reporting Requirements for Per- and Polyfluoroalkyl Substances and to Supplier Notifications for Chemicals of Special Concern final rule published on October 31, 2023 (88 FR 74360). There is considerable overlap in the burden hours and estimated number of respondents for following rules and related ICRs that are being consolidated into this ICR:

1) Final Rules: "Implementing Statutory Addition of Certain Per- and Polyfluoroalkyl Substances (PFAS) to the Toxics Release Inventory Beginning With Reporting Years 2023 and 2024"

Section 7321(b) and (c) of the National Defense Authorization Act for Fiscal Year 2020(NDAA) mandates the addition of certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by TRI. Through this provision, the NDAA will continue to add PFAS to the TRI list over time as additional PFAS meet the criteria outlined in 7321(c). Four PFAS were added by the NDAA for RY 2022, 9 PFAS were added for RY 2023, and 7 PFAS were added for RY 2024. All added PFAS have been added to the CFR at 40 CFR 372.65(d) and (e). The NDAA also established a manufacture, processing, or otherwise use reporting threshold of 100 pounds for each of the PFAS added to the TRI list by sections 7321(b) and 7321(c). By setting a 100-pound reporting threshold, the NDAA recognized there is concern for small quantities of the listed PFAS.

2) Final Rule: "Changes to Reporting Requirement for Per-and Polyfluoroalkyl Substances and to Supplier Notification for Chemicals of Special Concern; Community Right-to Know Toxic Chemicals Release Reporting" and rule-related ICR (EPA ICR No. 2724.02; OMB Control No. 2070-0225)

EPA added all PFAS added pursuant to sections 7321(b) and 7321(c) of the NDAA to the list of Lower Thresholds for Chemicals of Special Concern (chemicals of special concern) at 40 CFR 372.28 in the final rule titled "Changes to Reporting Requirement for Per-and Polyfluoroalkyl Substances and to Supplier Notification for Chemicals of Special Concern; Community Right-to Know Toxic Chemicals Release Reporting" (October 31, 2023, 88 FR 74368 (FRL-8741-04-OCSP)). Chemicals of special concern have

lower reporting thresholds because even small quantities of releases of these chemicals can be of concern. Chemicals of special concern are excluded from the *de minimis* exemption, reporting on Form A, and have limits on the use of range reporting. EPA has determined that the availability of these burden reduction tools is not justified for these PFAS as the availability of these tools is inconsistent with a concern for small quantities.

3) Final Rule “Addition of Natural Gas Processing Facilities to the Toxics Release Inventory” and rule-related ICR (EPA ICR No. 2560.02; OMB Control No. 2070-0206)

Congress provided EPA with explicit statutory authority to expand the categories of facilities required to report under EPCRA section 313. Section 313(b)(1)(A) applies section 313 to facilities that are in SIC codes 20 through 39. Section 313(b)(1)(B) states: “The Administrator may add or delete Standard Industrial Classification Codes for purposes of subparagraph (A), but only to the extent necessary to provide that each Standard Industrial Code to which this section applies is relevant to the purposes of this section.” Using this authority, via the “Addition of Natural Gas Processing Facilities to the Toxics Release Inventory” rulemaking (November 24, 2021, 86 FR 66953), EPA added SIC 1321 (Natural Gas Liquids)²⁴ to the list of industrial sectors covered by TRI and removed the limitation from NAICS 211130. This approach expanded TRI coverage to NGP facilities that primarily remove liquid hydrocarbons from oil and gas fields.

4) Final Rule: “Addition of Diisononyl Phthalate Category; Community Right-to-Know Toxic Chemical Release Reporting”

EPCRA section 313(d) authorizes EPA to add or delete chemicals from the TRI list and sets criteria for these actions. EPCRA section 313(d)(2) states that EPA may add a chemical to the list if the Administrator determines that there is sufficient evidence to establish that any of the listing criteria in EPCRA section 313(d)(2) are met. EPA often refers to the EPCRA section 313(d)(2)(A) criterion as the “acute human health effects criterion;” the EPCRA section 313(d)(2)(B) criterion as the “chronic human health effects criterion;” and the EPCRA section 313(d)(2)(C) criterion as the “environmental effects criterion.” In response to a petition submitted under EPCRA section 313(e)(1), EPA added a diisononyl phthalate (DINP) category to the list of toxic chemicals subject to the reporting requirements under section 313 of EPCRA in the final rule “Addition of Diisononyl Phthalate Category; Community Right-to-Know Toxic Chemical Release Reporting” (July 14, 2023, 88 FR 45089). The DINP category meets the EPCRA chronic human health effects toxicity criterion (section 313(d)(2)(B)) because the members of the category can reasonably be anticipated to cause serious or irreversible reproductive dysfunctions as well as other serious or irreversible chronic health effects in humans, specifically, developmental, kidney, and liver toxicity.

5) Final Rule: “Addition of Certain Chemicals; Community Right-to-Know Toxic Chemical Release Reporting”

²⁴ SIC 1321 (Natural Gas Liquids): Establishments primarily engaged in producing liquid hydrocarbons from oil and gas field gases.

In response to a petition submitted under EPCRA section 313(e)(1), EPA added 12 chemicals to the list of toxic chemicals subject to the reporting requirements under section 313 of EPCRA in the final rule “Addition of Certain Chemicals; Community Right-to-Know Toxic Chemical Release Reporting” (November 30, 2022, 87 FR 73475). EPA determined that the 12 chemicals can reasonably be anticipated to cause either adverse chronic human health effects at moderately low to low doses and/or environmental effects at low concentrations and that there is sufficient evidence to list the chemicals on the EPCRA section 313 toxic chemicals list pursuant to EPCRA section 313(d)(2)(B) and/or (C).

6) Final Rule: “Parent Company Definition for Toxics Release Inventory (TRI) Reporting” and rule-related ICR (EPA ICR No.2597.02; OMB Control No. 2070-0216)

EPCRA section 313(g)(1) requires EPA to publish a uniform toxic chemical release form for reporting purposes and also prescribes, in general terms, the types of information that must be submitted on the form. Congress also granted EPA broad rulemaking authority to allow the Agency to fully implement the statute, to ensure the release forms are available to inform the public of toxic chemical releases, and “to assist governmental agencies, researchers, and other persons in the conduct of research and data gathering” (EPCRA section 313(h), 42 U.S.C. 11023(h)). EPA codified the definition of “parent company” for purposes of reporting to the TRI and required the reporting of a foreign parent company when applicable in the final rule “Parent Company Definition for TRI Reporting” (October 21, 2022, 87 FR 63950).

In addition, this ICR renewal is revising the Form R to clarify data elements and enhance data utility. Specifically, the revisions to the forms and rationale for the revisions are presented in the table below. These revisions should have a negligible impact on form burden. These changes will go into effect for Reporting Year 2025 (reports due by July 1, 2026).

Table 12 - EPA Form R Revisions:

Form Revision	Description and Rationale
<p>Form R, Part II, Section 8.8</p> <p>Split non-production-related waste management reporting into separate fields: air, water, land, and off-site management.</p>	<p>Reporters fill out a Section 8.8 worksheet in TRI-MEweb of the non-production-related quantities (i.e., related to catastrophic events, remedial actions, or other one-time events) for quantities reported in Sections 5 and Section 6 of Form R. All the quantities in the worksheet are aggregated into a total, which is reported in Section 8.8.</p> <p>This change delineates the reported non-production-related quantities by media (air, water, land) and off-site management. The data needed for this change is already collected in the Section 8.8 worksheet and EPA has used this data for various purposes; incorporating this change makes public use of this information more transparent.</p>
<p>Form R, Part II, Section 8.10; Form A, Part II, Section 9.2</p>	<p>This new optional checkbox text is listed as “Select this box if your facility is interested in receiving technical assistance from EPA Pollution Prevention grantees.” This checkbox will appear in Form R, Part II, Section 8.10 under the “Optional: Barriers to Source Reduction” section. Checking the box will cause</p>

<p>Opt-in checkbox for facilities to receive technical assistance from EPA Pollution Prevention grantees.</p>	<p>optional fields for contact information of relevant facility employees to appear.</p> <p>Facilities interested in receiving technical assistance to potentially address barriers facilities face in implementing pollution prevention (P2) strategies may use this checkbox to indicate such interest. This information is also useful for EPA’s P2 Grants Program to compile a list of TRI facilities that might partner with P2 grantees, extending the reach of the grants program.</p>
<p>Form R, Part II, Section 8.11</p> <p>Remove optional comment topic “Climate Adaptation Strategies”</p>	<p>EPA is simplifying section 8.11. This field was initially added to collect information about strategies facilities are using in to adapt to climate change (e.g., safety measures for flooding or forest fires). Since its addition for reporting year 2020, EPA has not received any optional comments for this topic. Thus, EPA is removing this topic.</p>
<p>Form R, Part II, Section 8.11</p> <p>Add optional comment topic “Procurement and Environmentally Preferable Purchasing.”</p>	<p>This optional text field allows facilities to share information about their interactions with environmentally preferable purchasing and labeling programs such as Safer Choice or Design for the Environment (DfE) and how these practices are being implemented. Additionally, EPA could learn about barriers to implementation at these facilities via this field.</p>
<p>Form R, Part II, Section 8.11</p> <p>Add optional comment topic “Product Disclosures to Consumers.”</p>	<p>This optional text field allows facilities to share information about how they are implementing product disclosures and environmental product declarations, and to what extent they are able to access programs that support the development of those declarations. Additionally, EPA can use this field to learn about barriers to implementation at these facilities.</p>

<p>Form R, Part II, Section 3.2 - 3.3</p> <p>Add additional sub-use codes to describe activities and uses of the EPCRA Section 313 chemical at the facility.</p>	<p>EPA is expanding the processing and use codes in Form R, Part II, Section 3.2-3.3 to align more closely with the OECD-based Chemical Data Reporting (CDR) codes. TRI and CDR are fundamental data sets that EPA uses to accurately characterize different exposure and release scenarios to support its risk evaluation and risk management activities. Aligning the processing and use codes in these datasets will increase the clarity and utility of the data for EPA as well as other users.</p> <p>EPA is implanting a limited subset of 47 of the OECD-based CDR processing and use codes that will be most useful to add to the sub-use codes in Section 3.2-3.3 of Form R. This list of Section 3.2-3.3 codes is provided in the document titled "Sub-Use Codes for Form R, Part II, Section 3.2 - 3.3" available in this action's docket.</p> <p>Reporters will experience a slight increase in burden due to the fact that they will need to report on more than twice the number of codes. Without sub-codes, EPA estimates that reporting Section 3.2 and 3.3 takes approximately 0.002 hours each. EPA estimates a proportionate increase in the amount of time necessary to sort through and select to appropriate sub-use code. For section 3.2, the change in unit burden amounts to .010 hours $[(37/6-1)*0.002]$ (technical burden). For section 3.3, the change in unit burden amounts to 0.025 hours $[(40/3-1)*0.002]$ (technical burden). Therefore, EPA estimates a total incremental technical burden of 0.035 hours. Note, this estimate includes the addition of all sub-codes, including those that were added in the 2017 TRI ICR Renewal.</p>
---	--

16. For collections of information whose results will be published, outline plans for tabulation and publication. Address any complex analytical techniques that will be used. Provide the time schedule for the entire project, including beginning and ending dates of the collection of information, completion of report, publication dates, and other actions.

Facilities must report their information on a calendar-year basis and submit Form Rs or Form As to EPA by July 1 of the following year. In response to public requests to shorten the time frame for release of TRI information, TRI began a modernization effort in 2007 that included transition to TRI-MEweb from desktop software and a number of streamlining initiatives. One of the resultant improvements was the Preliminary Data Release that provides TRI database information as quickly as possible after the reporting deadline. Since 2010, EPA has released data less than one month after the reporting deadline in the TRI preliminary dataset with downloadable data files and access via TRI Explorer and Envirofacts. Following the annual July 1 submittal deadline, EPA performs data quality checks and contacts facilities EPA believes may have errors in their reports, inviting them to resubmit with corrections as necessary. Following these checks, EPA freezes the dataset by mid-November. The EPA then performs trend analyses by industry, EPA region,

chemicals of specific interest, and other data elements which it publishes in its TRI National Analysis in the first quarter of the following calendar year.

17. If seeking approval to not display the expiration date for OMB approval of the information collection, explain the reasons that display would be inappropriate.

The Agency plans to display the expiration date for OMB approval of the information collection on all instruments.

18. Explain each exception to the topics of the certification statement identified in “Certification for Paperwork Reduction Act Submissions.”

This information collection complies with all provisions of the Certification for Paperwork Reduction Act Submissions.

SUPPLEMENTAL INFORMATION

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2070-0212). Responses to this collection of information are mandatory, as specified in 40 CFR 372. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information is estimated to be between 22-36 hours per response. Send comments on the Agency’s need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

You can also provide comments to the Office of Information and Regulatory Affairs, Office of Management and Budget via <https://www.reginfo.gov/public/do/PRAMain>. Find this particular information collection by selecting “Currently under 30-day Review—Open for Public Comments” or by using the search function.

All comments received by EPA will be included in the docket without change, including any personal information provided, unless the comment includes profanity, threats, information claimed to be Confidential Business Information (CBI), or other information whose disclosure is restricted by statute. Do not submit electronically any information you consider to be CBI or other information whose disclosure is restricted by statute.

Attachments

Reference.	Title
1.	Form R (EPA No. 9350-1)
2.	Form A (EPA No. 9350-2)

3.	Form R Schedule 1 (EPA No. 9350-3)
4.	Consultation
5	Consultation Response

References

E-mail communication with the TRI Data Processing Center. (2024, August 7). [Personal Communication].

E-mail communication with the TRI Data Processing Center. (2024, August 16). [Personal Communication].

List of Proposed Sub-Use Codes for Form R, Part II, Section 3.2 – 3.3

U.S. Bureau of Economic Analysis, 2024. *National Income and Products Accounts Table, Table 1.1.9: Implicit Price Deflators for Gross Domestic Product.*

U.S. Bureau of Labor Statistics, 2024. *Employer Costs for Employee Compensation – December 2023.* U.S. Department of Labor, Washington, D.C.

U.S. EPA, 1986. Emergency Planning and Community Right-to-Know Act of 1986, §313 (42 U.S.C.A. §1023.

U.S. EPA, 1990. Pollution Prevention Act (42 U.S.C.A. §13101-13109. U.S. EPA.

U.S. EPA, 2007. Analysis of the Estimated Burden and Cost of Form R Schedule 1 for Dioxin and Dioxin-like Compounds; Toxic Equivalency Reporting; Community Right to Know Toxic Chemical Release Reporting (May 10, 2007).

U.S. EPA, 2008. Procedure for Quality Policy. CIO 2106-P-0.10. October 20, 2008.

U.S. EPA, 2011. Revising TRI Burden to Ratio-Based Methodology; TRI Regulatory Development Branch, TRI Program Division, Office of Information Analysis and Access, Office of Environmental Information (February 1, 2011).

U.S. EPA. 40 CFR Part 372 Toxic Chemical Release Reporting: Community Right-to-Know.

Addition of Certain Chemicals; Community Right-to-Know Toxic Chemical Release Reporting. 40 CFR Part 372. EPA Docket ID Number EPA-HQ-TRI-2017-0434. Federal Register Vol. 87, No. 229. November 30, 2022.

Addition of Diisononyl Phthalate Category; Community Right-to-Know Toxic Chemical Release Reporting. 40 CFR Part 372. EPA Docket ID Number EPA-HQ-TRI-2022-0262. Federal Register Vol. 88, No. 134. July 14, 2023.

Addition of Natural Gas Processing Facilities to the Toxics Release Inventory. 40 CFR Part 372. EPA Docket ID Number EPA-HQ-TRI-2016-0390. Federal Register Vol. 86, No. 224. November 24, 2021.

Changes to Reporting Requirements for Per- and Polyfluoroalkyl Substances and to Supplier Notifications for Chemicals of Special Concern; Community Right-to-Know Toxic Chemical Release Reporting. 40 CFR Part 372. EPA Docket ID Number EPA-HQ-TRI-2022-0270. Federal Register Vol. 88, No. 209. October 31, 2023

Electronic Reporting of Toxics Release Inventory Data. 40 CFR Part 372. EPA Docket ID Number EPA-HQ-TRI-2011-0174. Federal Register Vol. 78 No. 166. August 27, 2013.

Implementing Statutory Addition of Certain Per- and Polyfluoroalkyl Substances (PFAS) to the Toxics Release Inventory Beginning With Reporting Years 2021 and 2022. 40 CFR Part 372. EPA Docket ID Number EPA-HQ-TRI-2022-0453. Federal Register Vol. 87, No. 136. July 18, 2022.

Implementing Statutory Addition of Certain Per- and Polyfluoroalkyl Substances (PFAS) to the Toxics Release Inventory Beginning with Reporting Year 2023. 40 CFR Part 372. EPA Docket ID Number EPA-HQ-OPPT-2023-0223. Federal Register Vol. 88, No. 120. June 23, 2023.

Implementing Statutory Addition of Certain Per- and Polyfluoroalkyl Substances (PFAS) to the Toxics Release Inventory Beginning with Reporting Year 2024. 40 CFR Part 372. EPA Docket ID Number EPA-HQ-OPPT-2024-0044. Federal Register Vol. 89, No. 97. May 17, 2024.

Parent Company Definition for Toxics Release Inventory (TRI) Reporting. 40 CFR Part 372. EPA Docket ID Number EPA-HQ-OPPT-2018-0155. Federal Register Vol. 87, No. 203. October 21, 2022.

Appendix:

Information Sources Containing Data Subsets, But Not Comprehensively Comparable Alternatives to TRI Data

In this appendix, data elements available from several information sources are compared to those reported to TRI. The analysis is broken down by the specific types of data collected under TRI. While some sources may appear to be substitutes for TRI, they do not adequately address the entire scope of TRI, even in combination. For example, a given source may:

- Not include all toxic chemicals covered by TRI,
- Be compiled less frequently than TRI, and/or
- Not be as easily accessible (if at all) to the general public.

Table F-1: Relevant Information Sources (TRI Included for Comparison)

Description	Chemical Coverage	Industry/Facility Coverage	Reporting Frequency	Public Access
TRI DATA				
EPCRA§313 requires facilities to submit reports on releases (including disposal) of particular toxic chemicals exceeding a given threshold. The reports provide information on the quantity of chemical released into the environment and to which medium (air, land, water) the disposal took place, as well as information about waste management and the amount of chemicals stored on-site.	The current TRI toxic chemical list contains 794 individually listed chemicals and 33 chemical categories.	NAICS codes corresponding to SIC codes 20-39, 10; 12; 4911, 4931, 4939; 4953; 5169; 5171; and 7389. A facility need only report if it has 10 or more Full Time Equivalent (FTEs).	Annual.	EPA compiles the TRI data and makes them available through several data access tools, including TRI Explorer and Envirofacts. Other organizations also make the data available to the public through their own data access tools.

Description	Chemical Coverage	Industry/Facility Coverage	Reporting Frequency	Public Access
AIR EMISSIONS (SECTIONS 5.1 AND 5.2)				
National Emissions Inventory (NEI)				
NEI provides estimates of anthropogenic pollutant emissions from stationary sources, as well as area sources and mobile sources. These estimates, submitted to EPA by delegated authorities (state or county), electric utilities, and/or generated by EPA from various sources, differ in estimation methodology used.	8 CAPs and 187 HAPs.	No NAICS limitations.	Triennial.	CSV files can be downloaded from EPA's Web site.
Air Facility System (AFS)				
AFS contains compliance and permit data for stationary sources of air pollution regulated by U.S. EPA, and state and local air pollution agencies.	N/A	No NAICS limitations.	Annual.	Can be accessed on a facility-by-facility basis through EPA data access tools, including Envirofacts or the Enforcement and Compliance History Online (ECHO).
State Air Emissions Inventories				
Several states and regional agencies maintain their own air emissions inventories. However, the amount of data as well as the types of data elements collected vary widely from state to state.	Varies widely (e.g., the California Air Resources Board maintains its own list of about 400 toxic air pollutants).	Varies.	Varies.	Most of these data are submitted to NEI. Some data are available on the Web on a state-by-state basis.
Title V Part 70 Operating Permits				

Description	Chemical Coverage	Industry/Facility Coverage	Reporting Frequency	Public Access
Under the 1990 Clean Air Act Amendments, facilities designated as "major sources" and facilities otherwise subject to §112 and Title V must apply for a Title V Part 70 Operating Permit. As part of the application for a Title V permit, some facilities may have to report emissions of air toxics.	187 HAPs.	No NAICS limitations.	At the time of permit application, renewal, and modification—permits are typically renewed every 5 years.	No central repository for the information.
DIRECT DISCHARGES TO WATER (SECTION 5.3)				
Integrated Compliance Information System–National Pollutant Discharge Elimination System (ICIS-NPDES)				
ICIS-NPDES is a national information management system that tracks implementation of the National Pollutant Discharge Elimination System (NPDES) program, authorized by the Clean Water Act. ICIS-NPDES tracks permit issuance, permit limits, self-monitoring data, compliance data and other data pertaining to facilities regulated under NPDES.	Contains monthly discharge monitoring data for selected water parameters/pollutants and flow rates for all CWA major and many minor sources.	No NAICS limitations.	Major permittees must submit Discharge Monitoring Reports (DMRs) monthly or quarterly; non-major permittees must submit at least annually.	Can be accessed on a facility-by-facility basis through EPA data access tools, including Envirofacts, and ECHO.
UNDERGROUND INJECTION AND LAND DISPOSAL ON-SITE (SECTIONS 5.4 AND 5.5)				
RCRA Biennial Reports				

Description	Chemical Coverage	Industry/Facility Coverage	Reporting Frequency	Public Access
<p>Section 3002(a)(6) of the Resource Conservation and Recovery Act (RCRA) requires EPA to develop a program for hazardous waste generators to report the nature, quantities, and disposition of hazardous waste generated at least once every two years. In addition, section 3004(a)(2) of RCRA requires treatment, storage and disposal facilities (TSDFs) to submit a report on the wastes that they receive from off-site. The biennial Hazardous Waste Report (also known as the “Biennial Report”) was implemented in 1985 to comply with these requirements. The Biennial Report form (8700-13A/B) must be submitted to the authorized state agency or the EPA Regional Office by March 1st of every even-numbered year. The form includes information such as the facility’s RCRA ID number, the name and address of the facility, the quantity of hazardous waste sent to each TSDF in the United States and the manner in which the waste was treated during the previous year.</p>	<p>Contains annual volumes of RCRA wastes and how they are managed (offsite in the case of Large Quantity Generator and on-site in the case of treatment storage and disposal Facilities, TSDFs). Each waste stream is characterized by all applicable waste codes but volumes of each are not broken out.</p>	<p>No NAICS limitations; however, certain waste categories are excluded (e.g., mining and agriculture).</p>	<p>Biennial.</p>	<p>Can be accessed on a facility-by-facility basis through EPA data access tools, including Envirofacts. Text files can be downloaded from EPA’s Web site.</p>
<p>DISCHARGES TO A POTW (SECTION 6.1)</p>				
<p>RCRA Biennial Reports (BR)</p>				
<p>Biennial Reports require some reporting of discharges to POTWs. See above for more details.</p>	<p>See above.</p>	<p>See above.</p>	<p>See above.</p>	<p>See above.</p>
<p>ICIS-NPDES</p>				

Description	Chemical Coverage	Industry/Facility Coverage	Reporting Frequency	Public Access
ICIS-NPDES allows for reporting of indirect discharges to water. See above for more details.	See above.	See above.	See above.	See above.
TRANSFERS TO OTHER OFF-SITE LOCATIONS (SECTION 6.2)				
RCRA Biennial Reports (BR)				
Biennial Reports contain hazardous waste data from large quantity generators and TSDFs. Biennial Reports also require reporting of off-site transfers on Form GM. Information includes the RCRA ID of the facility to which the waste was shipped, the processes used to treat, recycle, or dispose of the waste at the off-site facility, the off-site availability code, and the total quantity of waste shipped during the report year. The reports also provide data on the volume of hazardous waste shipped off-site for land disposal, a release end-point of relevance to TRI. See above for more details.	See above.	See above.	See above.	See above.
CHEMICAL STORAGE AND INVENTORY DATA (SECTION 4.1)				
EPCRA §312 Tier I and II Reports				
EPCRA §312 requires that states establish plans for local chemical emergency preparedness and that inventory information on hazardous chemicals be reported by facilities to state and local authorities.	Hazardous or extremely hazardous substances (essentially any substance that poses a health or physical hazard).	No NAICS exemptions for facilities that are covered under the reporting threshold requirements, but facilities not included under OSHA's Hazard Communication Standard (e.g., mines) do not have to file.	Annual.	On a facility-by-facility basis, by forwarding a written request.
Risk Management Plan (RMP)				

Description	Chemical Coverage	Industry/Facility Coverage	Reporting Frequency	Public Access
Under the authority of section 112(r) of the <u>Clean Air Act</u> , the <u>Chemical Accident Prevention Provisions</u> require facilities that produce, handle, process, distribute, or store certain chemicals to prepare a Risk Management Plan (RMP) and submit the RMP to EPA. These plans include information about chemical amounts stored and processed at RMP facilities.	Certain flammable and toxic substances.	No NAICS limitations.	At least every five years, or within six months of an incident.	Restricted access: RMP information may be accessed via the Federal Reading Rooms.
Chemical Data Reporting (CDR)				
Under TSCA Section 8(a), chemical manufacturers (including importers) are required to report manufacturing-related information to EPA for sites that manufactured (including imported) 25,000 pounds or more of a reportable chemical substance any one calendar year between submission periods. Industrial processing and use information and commercial and consumer use information must also be reported for these sites.	Varies.	Limited to manufacturers, including importers, of subject chemicals. Certain manufacturers are exempt, including small manufacturers, those manufacturing a chemical for research and development, those manufacturing chemicals as impurities, and those submitting information under another TSCA Section 8a rule.	Every four years.	Data claimed as Confidential Business Information (CBI) are not available to the public. Non-CBI data downloads are available from EPA's CDR website.
POLLUTION PREVENTION DATA (SECTIONS 8.1-8.7; 8.10)				
RCRA Biennial Reports (BR)				
Biennial Reports contain pollution prevention information on hazardous waste from large quantity generators and TSDFs. Data are collected primarily by states, and are collated by EPA. See above for more details.	See above.	See above.	See above.	See above.

Description	Chemical Coverage	Industry/Facility Coverage	Reporting Frequency	Public Access
State Environmental Agency Databases				
At least fourteen states ²⁵ implement mandatory pollution prevention programs. Pollution prevention data collected under these programs varies by state, and may include both data similar to that collected by TRI (e.g., quantities of waste managed, source reduction activities, etc.) and details not found in TRI (e.g., pollution prevention plans, costs associated with waste management, etc.).	Varies.	Varies. May include TRI filers, facilities that use toxic chemicals, and generators of hazardous waste.	Varies.	There is no central source for state collected pollution prevention data. Accessibility varies by state.
EMERGENCY RELEASE DATA (SECTION 8.8)				
National Response Center (NRC)				
NRC collects real-time information about virtually all oil and chemical spills throughout the United States to identify spills for which to coordinate emergency response.	Oils and chemicals.	No source exemptions.	Real-time.	Historical information about spills can be retrieved through the NRC online query system: www.nrc.uscg.mil/foia.html .
Risk Management Plan (RMP)				
RMP contains a five-year accident history for each facility with details on releases of regulated substances from covered processes with 1) on-site deaths, injuries, or significant property damage; or 2) known off-site deaths, injuries, property damage, environmental damage, evacuations, or sheltering in place. See above for more details.	See above.	See above.	See above.	See above.

²⁵ Arizona, California, Georgia, Maine, Massachusetts, Minnesota, Mississippi, New Jersey, New York, Oregon, Tennessee, Texas, Vermont, and Washington.

Description	Chemical Coverage	Industry/Facility Coverage	Reporting Frequency	Public Access
STATE RIGHT-TO-KNOW PROGRAMS				
Several states require expanded state TRI reporting to include industries or facilities not covered by TRI or to report information beyond that required by the federal TRI Program (e.g., Arizona, Massachusetts, and Wisconsin).	Varies. Often identical to TRI.	Varies. May include more industries than TRI.	Annual.	There is no central source for state collected data. Accessibility varies by state.

