



Applying Toxics Release Inventory Data to Grant Applications

Brownfields

Wednesday, October 25, 2023

**2023 Toxics Release Inventory
National Conference**



Disclaimer

This presentation is intended for educational purposes only. Statements of fact and opinions expressed are those of the participants individually and, unless expressly stated to the contrary, are not the opinion or position of the United States Environmental Protection Agency (EPA).





What Information do Facilities Report to TRI?

- On-site releases of TRI chemicals to:
 - Air
 - Water
 - Land
- Transfer of chemical waste to off-site locations
- Other waste management:
 - Recycling
 - Treatment
 - Energy Recovery
- Pollution prevention activities



What is TRI?

- TRI is an EPA information resource that provides data on releases and other waste management practices of toxic chemicals from certain facilities. TRI can tell you about:



Releases



Waste
transfers



Recycling



Pollution
prevention

- TRI collects data annually from more than **21,000 facilities** across the country and covers **over 800 individually-listed chemicals and 33 chemical categories.**

Which Facilities Must Report to TRI?

1. Facility must be in a *TRI-covered industry sector or category*, including:



Manufacturing



**Coal/Oil
Electricity
Generation**



**Certain Mining
Facilities**



**Hazardous
Waste
Management**



Federal Facilities

2. Facility must have the equivalent of at least *10 full-time employees*.

3. Facility must manufacture, process, or otherwise use more than a *certain amount of a TRI-listed chemical per year*.



FY24 GUIDELINES FOR BROWNFIELD CLEANUP GRANTS

1. PROJECT AREA DESCRIPTION AND PLANS FOR REVITALIZATION

a. Target Area and Brownfields

i. Overview of Brownfield Challenges and Description of Target Area

Discuss the brownfield challenges and their impact on the city(ies), town(s), or geographic area(s) targeted by this application. Provide a brief overview of how this grant will potentially help address those challenges and impacts.

Within the city(ies), town(s), or geographic area(s) discussed above, identify and describe the specific target area(s) where you plan to perform grant activities, such as a neighborhood, district, corridor, or census tract. *(Depending on the scope and design of your project, one or more target areas may be presented.)*

ii. Description of the Proposed Brownfield Site(s)

Describe the property(ies) targeted for cleanup, characterizing known contamination and site conditions (including structures), and relevant past and current land uses.

Table 1 – Priority Brownfield Sites and Impacts

Priority Site, Size, Proximity to Target Area Residents	Historic Use / Current Use & Condition / Planned Reuse (further discussed in Section 1.b.i.)	Suspected Contaminants*
Former Plastics , 320 W. Mitchell Ave -- 1.29 acres in NWC, adjoins low-income neighborhood, 600 ft. from daycare facility	Former plastics molding facility / Underutilized - buildings present / Mixed-use redevelopment	Petroleum, asbestos, metals, VOCs, PAHs
Former 1201 S. Ohio St -- 17.42 acres in I69C, adjoins low-income neighborhood, < 450 ft. from elementary school, in fed. designated floodplain	Former automotive electronics manufacturer / Underutilized - buildings present / New manufacturing redevelopment	Chlorinated VOCs
Former 501 Rogers Rd -- 11 acres in I69C, adjoins new I-69 & White River, in fed-designated floodplain	Former concrete block manufacturer / Underutilized - buildings present / Commercial redevelopment	Petroleum, VOCs, PAHs, asbestos
501 N. Park Ave -- 10 acres in NWC, adjoins municipal park near low-income neighborhood	Lumber yard / Underutilized - buildings present / Expand park, & greenspace, residential development	Petroleum, asbestos, VOCs, SVOCs, PAHs, metals
321 W. Morgan St - 2 acres in NWC, adjoins low-income neighborhood	Former co-op & fueling facility/ Vacant land / Mixed-use redevelopment	petroleum, herbicides, pesticides, metals, VOCs

**According to the Agency for Toxic Substances and Disease Registry (ATSDR), the contaminants listed in Table 1 pose a real threat to human health. Health threats include damage to: skin, liver, kidneys, heart, spleen; nervous, respiratory, hormonal, blood, & immune systems; may also cause neurological damage, birth defects and cancer (www.atsdr.cdc.gov).*

Table 2 - Priority Brownfield Sites

Site	Past Uses	WIMN Activity	Distance to Sensitive Area
1. 900 Block W Oakland Ave	Drycleaner	Multiple Activities: Brownfields, Voluntary Investigation and Cleanup; Hazardous Waste; Site Assessment	400' to homes, ½ mi. to Elementary School
<p>Notes: This block contains a site that has been vacant for decades. There is suspected soil contamination related to historic dry-cleaning operations, below the building and potentially the entire block. There is also a gas station and a landscape business on this block. The businesses and City are interested not only in assessment but then clean up and reuse of the entire block. The convenience store and landscaping building could be reused but the dry cleaner building will likely need to be demolished; however, reuse will be considered first. Suspected contamination includes petroleum products (benzene, toluene), heavy metals (lead) and chlorinated solvents including tetrachloroethylene and trichloroethylene.</p>			
2. 100 block of Main St. S.	Auto Repair, Gas Stations, Tire Dealer, Flooring company	Multiple Hazardous Waste sites throughout block, Tanks, Underground Storage Tanks (USTs)	500' to homes, ½ mi. to Cedar River
<p>Notes: This block includes vacant and underutilized sites in the core of _____ on Main Street between Oakland and 1st Avenues. Once assessed, the buildings could be reused. Suspected contamination includes petroleum products (benzene, toluene), heavy metals (lead) and asbestos.</p>			

https://enviro.epa.gov/facts/tri/form_r_search.html

TRI Form R Search

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TRI



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

Use **TRI Form R Search** to view individual reporting forms containing chemical release and other waste management information, as submitted by facilities. You may narrow your search by filtering by reporting year, facility identification, geography, industry sector, or tribe.

Reporting Year

Select the desired reporting year from the list box.

Reporting Year:

1987 ▾

LIST OF TRI FORM R FACILITIES IN ENVIROFACTS

Click on the TRI Facility ID to get the Form R Detailed Report.

TRI FACILITY ID	FACILITY NAME	ADDRESS	SUBMISSIONS
60607NB RTP340NO	NOBERT PLATING PLANT 1	340 N ASHLAND AVENUE, CHICAGO, IL - 60607	2
60607RLBLP1538W	RELIABLE PLATING	1538 W. LAKE ST., CHICAGO, IL - 60607	6
60607MRCNN1223W	AMERICAN NICKEL WORKS	1223 W LAKE ST, CHICAGO, IL - 60607	1
60630CMPRN1419W	INX INTERNATIONAL INK CO	1419 W CARROLL AVE, CHICAGO, IL - 60607	2
60607GRDNL1550W	GUARDIAN ELECTRIC MFG CO	1550 W CARROLL AVE, CHICAGO, IL - 60607	1

<< Return

TRI Facility ID Selected: 60607NB RTP340NO

Reporting Year Selected: 1987

Search Executed On: OCT-05-2023

Results are based on data extracted on: SEP-20-2023

LIST OF DOCUMENT CONTROL NUMBERS WITH THEIR CHEMICAL NAMES IN ENVIROFACTS

- To obtain a Form R Detailed Report for all the Document Control Numbers listed in the table below Click here: [60607NB RTP340NO](#)
- Click on a selected Document Control Number from the table below to get the Form R Detailed Report.

DOCUMENT CONTROL NUMBER	CHEMICAL NAME	FORM TYPE INDICATOR
1387010242129	Hydrochloric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any...	FORM R
1387010242131	Nitric acid	FORM R

Total Number Of DCN's Found: 2

Section 4. Maximum Amount of the Toxic Chemical Onsite During the Calendar Year

Maximum Chemical Amount: 1000 to 9999

Section 5. Quantity of the Toxic Chemical Entering each Environmental Medium Onsite

5.1 [Fugitive or Non-Point Air Emissions](#)

NA	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
NO	1 - 499	Pounds	O - Other Approaches

5.2 [Stack or Point Air Emissions](#)

NA	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE
NO	1 - 499	Pounds	O - Other Approaches

5.3 [Discharges to Receiving Streams or Water Bodies](#)

NA	STREAM/WATER BODY NAME	TOTAL RELEASE (per year)	UNIT OF MEASURE	BASIS OF ESTIMATE	% FROM STORMWATER
YES	NA				



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