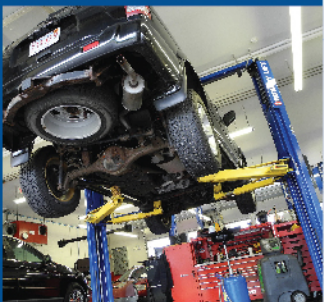
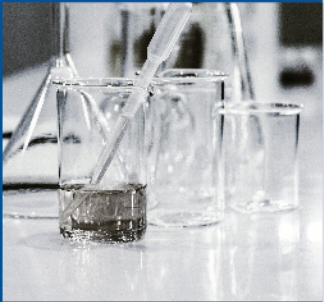




P2 Webinar



How to Use EPA Database Tools to Help Identify Potential P2 Manufacturing Facility Leads

July 16, 2020

Webinar Goals

- Assist P2 providers in using EPA tools to:
 - **identify potential leads** for facilities that may want to work with the program to achieve P2 successes
 - **find information on facilities'** chemical use, environmental releases, and possible P2 opportunities

Webinar Agenda

- **Demonstrate Tools**
 - Toxics Release Inventory (TRI) “Search Plus” Tool
 - TRI Pollution Prevention Search Tool
 - Envirofacts
- **Discuss Additional Tools**
 - RCRA eManifest
 - National Emissions Inventory
 - ECHO
 - EJSCREEN
- **Questions/Discussion**

Note: A companion document to the webinar will include tool descriptions and links

Tools that will be Demonstrated

- **TRI “Search Plus” Data Tool**
 - TRI data on chemical releases and waste management
 - Risk-Screening Environmental Indicators (RSEI) scores on relative potential risk
 - Link to ECHO compliance and enforcement data
- **TRI Pollution Prevention Search Tool**
 - Identify P2 opportunities for a sector/chemical combination
 - Compare waste management among facilities
- **Envirofacts**
 - Identify facilities beyond TRI filers

Tools demonstration

Additional tools: RCRA eManifest

- Data on hazardous waste shipments
 - Facility-level data
 - Date and quantity of hazardous waste shipped
 - Includes contact information
- Good for identifying smaller facilities
- No sector restrictions
 - e.g., includes automotive maintenance
- Requires several file manipulations
 - No user interface

Access via the RCRAInfo Public Extract modules at:

<https://rcrapublic.epa.gov/rcra-public-export/?outputType=CSV>

RCRA eManifest sample data

FRS ID	Generator Name	City	State	Number of Manifests	Most recent shipping date (YYYYMM-W)	QUANTITY ACUTE TONS	QUANTITY NON ACUTE TONS	NAICS
110043535136	A & W AUTO SERVICES	WASHINGTON	DC	11	201909-1	0	0.381017515	81111 81111
110002504807	AYT AUTO SERVICE	WASHINGTON	DC	2	201906-4	0	0.054211842	81111 81111
110043306240	BEST CAPITAL AUTO BODY	WASHINGTON	DC	4	201912-3	0	0.625	811111 8111
110066946069	CALIBER COLLISION CENTERS - DC-GEORGIA AVE N	WASHINGTON	DC	6	201910-3	0	0.1975	81111 81112
110002501800	CAPITOL HILL AUTO SERVICE	WASHINGTON	DC	3	201910-2	0	0.066722269	811111 8111
110070557994	CBRE	Washington DC	DC	1	201902-3	0	0.289	811198
110002503746	DISTRICT LINE AUTO SERVICE	WASHINGTON	DC	5	201909-3	0	0.116763968	811111 4471
110002503149	DPW - FLEET MAINTENANCE COMPLEX	WASHINGTON	DC	14	201910-2	0	2.568650958	81111 81111
110002504736	FORT MYER CONSTRUCTION - VEHICLE PAINT FACIL	WASHINGTON	DC	7	201909-3	0	0.141784821	811121 8111
110064240897	GTS AUTO SERVICE	WASHINGTON	DC	3	201907-3	0	0.041680567	811111 8111
110002504022	IMPERIAL AUTO BODY	WASHINGTON	DC	7	201910-2	0	0.585	81112 81112

Additional tools: National Emissions Inventory (NEI)

- Data on air emissions
 - Facility-level data
 - Includes criteria and hazardous air pollutants
- No sector restrictions
- Includes process information
- Does not include facility contact information

Access the 2017 NEI data from this URL: <https://www.epa.gov/air-emissions-inventories/2017-national-emissions-inventory-nei-data>

NEI sample data

EMISSION_UNIT_DESCRIPTION	CO	NOX	PM10-PRI	SO2	VOC
LINE 2 ROASTER					5.41
LINE 1 ROASTER	0.4194	0.4991	0.0379	0.003	2.2121
LINE 2 ROASTER BURNER	0.3334	0.3969	0.0302	0.0024	0.0266
LINE 2 COOLER					1.154
PARTS WASHER					0.33
BEAN CLEANING			15.0171		
LOW FAT SHELL BIN			2.2528		
LINE 1 WINNOWER			2.4027		1.5222
SUGAR SILOS (2 TOTAL)			2.5477		
BEAN UNLOADING 1			7.5086		
BEAN UNLOADING 2			4.5051		
HIGH FAT SHELL BIN			2.2526		
(5) COCOA BIN VENTS			1.8021		
LINE 3 ROASTER	0.5242	0.624	0.0475	0.0038	6.5707
FUGITIVE EMISSIONS					5.36
RED CAKE QUAD BIN 1-4			4.8055		
MILL COLLECTOR 3			3.0034		
MILL COLLECTOR 2			3.0034		
MILL COLLECTOR 1			3.3038		
LINE 2 GRINDER					3.246
LINE 2/3 WINNOWER			2.7782		0.5567
ALKALIZATION PROCESSES			1.4296		12.045
LINE 2/3 MICRONIZER & BUCKET ELEVATOR	0.2558	0.3045	0.0232	0.0019	0.8518
LINE 1/ LINE 3 GRINDING					8.9605
MILL COLLECTOR 4			6.6286		
LINE 2 ALKALIZATION MIXER					0.7514
LINE 4 MICRONIZER	0.4508	0.5366	0.0408	0.0032	0.8855
LINE 4 WINNOWER			6.3823		0.5707

Additional tools: ECHO and EJSCREEN

- ECHO

- Learn about a facility's compliance history
- Easy user interface
- Can be challenging to interpret the data
- <https://echo.epa.gov/>

- EJSCREEN

- Environmental justice (EJ) mapping and screening tool
- Can be used to identify areas to target
- <https://www.epa.gov/ejscreen>
- Also see <https://www.epa.gov/ejscreen/understanding-ejscreen-results>

Questions/Discussion

- EPA would like to hear about your data needs
 - Please respond via Chat, what tools (EPA and non-EPA) do you find most useful in your work?
 - What other types of tools do you need?
- Your questions?

**The P2 Hub Helpline Is at
Your Service!**

The P2 Hub Helpline is a technical assistance concierge service exclusively for current recipients of EPA P2 and SRA grants and their subcontractors. Contact the Helpline at p2hub@epa.gov or (202) 566-0799.

Questions/Discussion

- Example searches?
 - We can walk through some of your specific examples