

SNC Tracker Walkthrough: How to Bin Non-Major POTWs in SNC by Flow

These slides are designed to be a walk through guide for users wishing to conduct this analysis.

- Please contact Rusty Wasem (wasem.russell@epa.gov) if you have any questions or comments.



Step One: Log into ECHO Gov.

ECHO Enforcement and Compliance History Online

[ECHO Gov Login](#) [Contact Us](#)

Quick Search

- Search Options
- Analyze Trends
- Find EPA Cases

Quick Search

Search By

Location Facility Name/ID

Enter city, state, and/or zip code **Search**

[More Search Options](#)

[ECHO Gov Log In Help](#)

Step Two: After logging into ECHO Gov, navigate to the Violation Tracker.



The screenshot displays the ECHO website interface. At the top left is the ECHO logo and the text "Enforcement and Compliance History Online". On the right, there is a user greeting "Welcome xechogov" and links for "My ECHO" and "Contact". A vertical navigation menu on the left includes "Quick Search", "Search Options" (highlighted with a blue arrow), "Analyze Trends", "Find EPA Cases", "Data Services", "Help", and "News". The main content area is titled "Search Options" and contains a paragraph: "ECHO provides a variety of ways to identify facilities of interest. Search for facilities by media program using the links below or use media-specific tools to conduct additional analyses." Below this are three columns of links categorized by media type: "Cross Program", "Water", "Air", "Hazardous Waste", "Drinking Water", and "Oversight". The "Violation Tracker" link under the "Oversight" category is highlighted with a red box and a light blue arrow pointing to it from the left. A legend at the bottom right indicates that a star icon represents a "Popular Feature" and a blue square icon represents "ECHO Gov".

Search Options

ECHO provides a variety of ways to identify facilities of interest. Search for facilities by media program using the links below or use media-specific tools to conduct additional analyses.

Cross Program

- [All Data Facility Search](#)
- [Map Any Facilities with Enforcement and Compliance Data](#)
- [Corporate Compliance Screener](#) ★

Water

- [Water Facility Search](#)
- NPDES Program Areas Facility Searches
 - [Biosolids](#)
 - [Biosolids Annual Report](#)
 - [Industrial Stormwater](#)
- [Map Water Facilities](#)
- [Water Pollutant Loading Tool](#) ★
- [Water Quality Indicators Map](#)
- [NPDES DMR Non-Receipt Status Search](#)
- [Clean Water Act Inspection Model](#)
- [CAFO Data Masking Project](#)

Air

- [Air Facility Search](#)
- [Map Air Facilities](#)
- [Clean Air Tracking Tool \(ECATT\)](#) ★

Hazardous Waste

- [Hazardous Waste Facility Search](#)
- [Map Hazardous Waste Facilities](#)

Drinking Water

- [Drinking Water System Search](#)
- [Drinking Water Enforcement Targeting Tool](#)

Oversight

- [State Review Framework](#)
- [Violation Tracker](#)
- [Inspector Wiki](#)

★ Popular Feature ECHO Gov

Use the default Violation Tracker search type 'CWA-NPDES SNC.'



Violation Tracker

— Collapse All + Expand All × Clear All ? Help

Search Type	
Choose a Search Type	CWA-NPDES SNC

Geographic Locations	
EPA Region	All Regions
State	All States Alabama Alaska American Samoa

Violation Tracking Options	
Compliance Status	Compliance/Permit Schedule - Reporting, Compliance/Permit Schedule - Violations, Effluent - Monthly Average Limit, Effluent - Non-monthly Average Limit, Failure to Report DMR - Not Received

Optional Selections	
Permit Type	NPD - NPDES Individual Permit

Search

Step Three: Make region/state selection, select Major Designation as 'Non-Major', and click search.



Search Type

Choose a Search Type: CWA-NPDES SNC

Geographic Locations

EPA Region: Region 4

State: All States, Alabama, Alaska, American Samoa

Violation Tracking Options

Optional Selections

Major Designation: Any Major Non-Major

Federal Facility: Any Yes No

In Indian Country: Any Yes No

Permit Type: Any, NPDES Individual Permit

Search Criteria Selected

Search Type: CWA-NPDES SNC

Geographic Locations

EPA Region: Region 4

Violation Tracking Options

Compliance Status: Compliance/Permit Schedule - Reporting, Compliance/Permit Schedule - Violations, Effluent - Monthly Average Limit, Effluent - Non-monthly Average Limit, Failure to Report DMR - Not Received

Optional Selections

Major Designation: Non-Major

Permit Type: NPD - NPDES Individual Permit

Search



Search Results

[Customize Columns](#)
[Download CSV File](#)
[Download Excel File](#)
[Results Guide](#)
[Reports Legend](#)

Facility Name	NPDES ID	City	State	Reports	Designation	Significant Noncompliance (SNC) Status	Quarters with SNC (3 years)	Quarters with Noncompliance (3 years)	Existing Compliance Schedule	In Compliance with Existing Compliance Schedule	Effluents Violated
BRODHEAD WWTP	KY0047431	BRODHEAD	KY	C E L X	N	Effluent - Monthly Average Limit	12	12	Y	Y	25
HINDMAN STP	KY0027685	HINDMAN	KY	C E L X	N	Effluent - Monthly Average Limit	12	12	Y	Y	36
DELAPLAIN DISPOSAL CO	KY0079049	GEORGETOWN	KY	C E L X	N	Effluent - Monthly Average Limit	12	12	Y	Y	23
BCSD HILLVIEW #3	KY0034177	HILLVIEW	KY	C E L X	N	Effluent - Monthly Average Limit	10	11	N	--	20
				C E		Effluent - Monthly					

Search Statistics

816 Search Results

Search Criteria

Search Type: CWA-NPDES SNC
 EPA Region: 04
 Compliance Status: Compliance Reporting; Compliance/Permit Effluent - Monthly Average Limit; Failure to Report
 Major Designation: Non-Major
 Permit Type: NPD - NPDES Indi

Step Five: Download list of facilities in your desired format.



Customize Columns | **Download CSV File** | **Download Excel File** | Results Guide

Facility Name	ID	City	State	Reports	SIC Code	Designation	Facility Design Flow (MGD)	Actual Average Facility Flow (MGD)	Facility Type	Significant Noncompliance (SNC) Status	Quarters with SNC (3 years)	Quarters with Noncompliance
BRODHEAD WWTP	KY0047431	BRODHEAD	KY	CE LX	4952	N	.15	.263	POTW	Effluent - Monthly Average Limit	12	

DFR URL

cwp_name	source_id	cwp_city	cwp_state	cwp_sic_codes	cwp_major_m	cwp_total_d	cwp_actua	cwp_facility_t	cwp_snc_status	
BRODHEAD WWTP	KY0047431	BRODHEAD	KY	4952	N		0.15	0.263	POTW	Effluent - Monthly Ave
HINDMAN STP	KY0027685	HINDMAN	KY	4952	N		0.12		POTW	Effluent - Monthly Ave
DELAPLAIN DISPOSAL CO	KY0079049	GEORGETOWN	KY	6552	N		0.24	0.233	NON-POTW	Effluent - Monthly Ave
BCSD HILLVIEW #3	KY0034177	HILLVIEW	KY	4952	N		0.148		NON-POTW	Effluent - Monthly Ave
MASON STP	TN0026620	MASON	TN	4952	N		0.11		POTW	Effluent - Monthly Ave
MCKEE STP	KY0034444	MCKEE	KY	4952	N		0.17	0.12	POTW	Effluent - Non-monthly
INEZ STP	KY0079316	INEZ	KY	4952	N		0.26		POTW	Compliance/Permit Sch
LIBERTY STP	KY0026352	LIBERTY	KY	4952	N		0.642		POTW	Effluent - Monthly Ave
CLIO LAGOON	AL0067181	CLIO	AL	4952	N		0.4	0.24	POTW	Compliance/Permit Sch
BCSD HILLVIEW SEWER SYSTEM	KY0034151	HILLVIEW	KY	4952	N		0.231	0.171	NON-POTW	Effluent - Monthly Ave
AA HWY PARK DEVELOPMENT -	KY0106305	BEECHY	KY	1629	N				NON-POTW	Effluent - Monthly Ave
SMITHLAND STP	KY0025836	SMITHLAND	KY	4952	N		0.07	0.12	POTW	Effluent - Monthly Ave
BCSD WILLABROOK SANITATION	KY0094307	SHEPHERDSVILLE	KY	4952	N		0.12		NON-POTW	Effluent - Monthly Ave

Step Six: Clean data using Excel (or other software) to create a list of only non-major POTW facilities.



POTWs are not always listed as 'POTW' in the 'cwp_facility_type_indicator' column. The steps below present one method for finding POTWs that may be listed as 'NON-POTW' in the 'cwp_facility_type_indicator' column.

1. Filter the 'cwp_facility_type_indicator' column and deselect records where this column equals 'POTW'.
2. Filter the 'cwp_sic_code' column to remove SIC Code '4952'.
3. Delete the remaining records.
4. Turn off all filters enacted in steps 1 and 2 for a list of only non-major POTWs.

A screenshot of a web-based search interface. The top section is titled "Search" and contains a list of filter options: a checked box for "(Select All)", a checked box for "FEDERAL", a checked box for "NON-POTW", and an unchecked box for "POTW". Below this is another "Search" section containing a list of results with checkboxes: checked boxes for 4931, 4932, 4941, 4953, 4959, 5013, and 5015; and an unchecked box for 4952.

Disclaimer: This is a proposed method for creating a list of only POTWs in SNC and may not be suitable for every use case. Additional filtering may be necessary to create a more accurate list of true POTWs.

Step Seven: With the list of POTWs in SNC, sort the by the flow columns.



- The two available flow columns are 'cwp_total_design_flow_nmbr' and 'cwp_actual_average_flow_nmbr'.
 - One of these columns may be better populated than the other. Use the better populated column for your analysis.

cwp_name	source_id	cwp_city	cwp_state	cwp_sic_cod	cwp_major_min or_status_flag	cwp_total_desig n_flow_nmbr	cwp_actual_average _flow_nmbr	cwp_facility pe_indicatc
MOORE MINERAL MINING INC	KY0110957	GARRISON	KY	1422	N	273		NON-POTW
CENTRAL KENTUCKY L						90	0.0076	NON-POTW
WESTERN KENTUCKY F						72		NON-POTW
SERVICES							72	NON-POTW
KAMIN, LLC (WRENS P						9.11	6.53	NON-POTW
OPERATIONS)								
CINCINNATI-NORTHER								
KENTUCKY INTERNATI								
AIRPORT						9		NON-POTW
CALGON CARBON COP						3.15		NON-POTW
LOUISA WTP						3	0.06	NON-POTW
HARLAN COUNTY HIG						2.6	2.12	NON-POTW
UNION SPRINGS WWT								
LAND APPLICATION						2.25	0.713	POTW

Sort

+ Add Level - Delete Level Copy Level ^ v Options... My data has headers

Column	Sort On	Order
Sort by	cwp_total_design_flow_r	Cell Values Largest to Smallest

OK Cancel