

Finding Interference and/or Pass Through in Non-Pretreatment Cities

April 2018



Industries Outside Pretreatment Cities

- ▶ Traditionally, authorized States and Direct Implementation (DI) EPA Pretreatment Programs have focused on Categorical Industries when regulating those SIUs Outside Pretreatment Cities.
- ▶ Most authorized States and DI EPA programs have reasonable inventories of Categorical Industries Outside Pretreatment Cities
- ▶ However, most States and DI EPA programs do not have complete or reliable inventories of non-Categorical SIUs outside Pretreatment Cities.

Industries Outside Pretreatment Cities

- ▶ Non- Categorical SIUs can have Significant Impact on smaller POTWs.
 - ▶ As an SIU, it is discharging at least 25,000 gpd Process Flow, and/or
 - ▶ 5% or more of the design dry weather organic capacity of the POTW
- ▶ In smaller POTWs, it is not uncommon for SIUs to be 50 to 90% of the design dry weather organic capacity.
- ▶ Because industries tend to locate where the feedstock is, and rural America is primarily agricultural, what we are looking at is:

FOOD PROCESSORS

Industries Outside Pretreatment Cities

- ▶ Because most States and DI EPA programs have focused on Categorical Industries Outside Pretreatment Cities a good inventory of Non-Categorical Industries OS PT Cities does not generally exist.
- ▶ Yet resource constraints may not allow for focusing on identifying all non-Categorical SIUs Outside Pretreatment Cities,
- ▶ What we should be doing, AT A MINIMUM, IS:


IDENTIFYING THOSE NON-CATEGORICAL SIUS THAT ARE CAUSING OR CONTRIBUTING TO INTERFERENCE AND/OR PASS THROUGH

Industries Outside Pretreatment Cities

- ▶ To have Interference and or Pass Through, we must first have an NPDES permit violation
- ▶ NPDES permit violations are reported in ICIS/NPDES, either by direct entry or State data base upload.
- ▶ ICIS/NPDES feeds ECHO, which is accessible by anyone.
- ▶ Hence, one doesn't have to be an ICIS specialist to obtain a list of NPDES permit violator


<https://echo.epa.gov/facilities/facility-search>

Search Type

Choose a Search Type: 



Choose a Water Program Area:

Geographic Location

[View More](#) 

EPA Region:

City:

State: 
IA - Iowa
 

ZIP Code: [Add More](#)

County:

Near US-Mexico Border: Any Yes No

Indian Country/Tribal Land

ICIS Tribal Land Flag: Any Yes No

FRS Tribal Land Code: Any Yes No

On or Near Spatial Tribal:

Search Criteria Selected

Search Type

Water

Geographic Location

State 
Iowa

Facility Characteristics

Permit Status 
Effective, Expired, Administratively Continued, Pending, Retired

Permit Type 
NPD - NPDES Individual Permit, NGP - NPDES Master General Permit, GPC - General Permit Covered Facility, UFT - Unpermitted Facility

Results View

Interactive Map
 Data Table

[Search](#)

Enforcement and Compliance

[View More](#)

Time Since Last Inspection

No Restrictions Never Inspected

Within None Within

Year(s)

Date From: To:

By Agency: Any EPA State

Inspection Type

Any Inspection
Any On-Site Inspection
ADR - Asbestos Demolition and Renovation
AER - Aerial Photography

Compliance Status



No Restrictions
Significant/Category I Noncompliance
Violation/Category II Noncompliance
New Violations
No Violation

Quarters in Violation (3 years)

No Restrictions

Informal Enforcement Actions

No Restrictions Within None Within

Year(s)

By Agency: Any EPA State

Search Criteria Selected

Search Type

Water

Geographic Location

State

Iowa

Facility Characteristics

Permit Status

Effective, Expired, Administratively
Continued, Pending, Retired

Permit Type

NPD - NPDES Individual Permit, NGP -
NPDES Master General Permit, GPC - General
Permit Covered Facility, UFT - Unpermitted
Facility

Enforcement & Compliance

Compliance Status

New Violations






Results View

Interactive Map
 Data Table

Search

[Customize Columns](#)
[Download Data](#)
[Quick CSV Download](#)

 [Results Guide](#)
 [Reports Legend](#)

Facility Name	NPDES ID	Reports	Street Address	City	State	FRS ID	Significant Noncompliance (SNC) Status	Quarters in Noncompliance (3 yrs)	Effluent Violations (3 yrs)	On-Site Inspections (5 yrs)	Formal Enf Actions (5 yrs)
ACKLEY CITY OF STP	IA0035297		208 STATE STREET	ACKLEY	IA	110039932035	--	11	39	2	0
ADAIR CITY OF STP	IA0035416		UNKNOWN	ADAIR	IA	110039690554	S(CSchVio)	11	1	1	0
ADAIR-CASEY COMMUNITY SCHOOL DISTRICT	IA0067156		3384 INDIGO AVE.	ADAIR	IA	110038278051	S(CSchVio)	11	--	1	0
ADEL CITY OF STP	IA0041921		600 SOUTH 4TH STREET	ADEL	IA	110039932160	--	8	8	2	0
AG PROCESSING INCA COOPERATIVE	IA0064262		1000 300TH ST	MANNING	IA	110000414365	S(CSchVio)	11	4	--	0
			500 NORTH								

Facility Summary

Current Search

569 Facilities Found

Criteria

- Search Type: Water
- Results View: Data Table
- State(s): Iowa 
- Permit Status: Effective; Expired; Administratively Continued; Pending; Retired 
- Permit Type: NPD - NPDES Individual Permit; NGP - NPDES Master General Permit; GPC - General Permit Covered Facility; UFT - Unpermitted Facility 
- Compliance Status: New Violations 

[Explore Enforcement and Compliance Criteria](#)

569 Facilities with Current Violations

Clipboard Font Alignment Number Styles Cells Editing Additional

Calibri 11 A A Wrap Text General

B I U Merge & Center \$ % .00 .00

Conditional Formatting Format as Table Cell Styles

Insert Delete Format

Σ A Z Sort & Filter Find & Select

Average Inside Borders Inside Horz. Brdr Inside Vert. Brdr

Save Undo Redo Paste Copy Paste Special Undo Redo Filter Sort & Filter

32 : X ✓ fx IA0035297

A	B	C	D	E	F	G	H	I	J	K	L	M	N
CWPName	SourceID	CWPStreet	CWPCity	CWPSt	CWPSt	CWPZi	Registr	CWPCo	CWPEP	FacFed	FacFed	FacFIPS	Facr
ACKLEY CITY OF STP	IA0035297	208 STATE STREET	ACKLEY	IA		50601	1.1E+11	Hardin	07			19083	N
ADAIR CITY OF STP	IA0035416	UNKNOWN	ADAIR	IA		50002	1.1E+11	Adair	07			19001	N
ADAIR-CASEY COMMUNITY SCHOOL	IA0067156	3384 INDIGO AVE.	ADAIR	IA		50002	1.1E+11	Adair	07			19001	N
ADEL CITY OF STP	IA0041921	600 SOUTH 4TH STREET	ADEL	IA		50003	1.1E+11	Dallas	07			19049	N
AG PROCESSING INC A COOPERATIVE	IA0064262	1000 300TH ST	MANNING	IA		51455	1.1E+11	Carroll	07			19027	N
AG PROCESSING INC.	IA0059901	500 NORTH COMMERCIAL AVI	EAGLE GROVE	IA		50533	1.1E+11	Wright	07			19197	N
AG PROCESSING, INC. - ALGONA	IA0081116	2108 140TH AVE	ALGONA	IA		50511	1.1E+11	Kossuth	07			19109	N
AGRI STAR MEAT AND POULTRY LLC	IA0077135	220 WEST STREET	POSTVILLE	IA		52162	1.1E+11	Allamakee	07			19005	N
AGRIUM U.S. INC.	IA0004006	1887 HIGHWAY 71	EARLY	IA		50535	1.1E+11	Sac	07			19161	N
AGROPUR INC.	IA0081621	332 DIVISION STREET	HULL	IA		51239	1.1E+11	Sioux	07			19167	N
AINSWORTH CITY OF STP	IA0069183	UNKNOWN	AINSWORTH	IA		52201	1.1E+11	Washingt	07			19183	N
AJINOMOTO HEARTLAND, INC.	IA0065692	1116 HWY 137	EDDYVILLE	IA		52553	1.1E+11	Wapello	07			19179	N
AJINOMOTO NORTH AMERICA, INC.	IA0072389	1 AJINOMOTO DRIVE	EDDYVILLE	IA		52553	1.1E+11	Monroe	07			19135	N
AKRON CITY OF STP	IA0035211	UNKNOWN	AKRON	IA		51001	1.1E+11	Plymouth	07			19149	N
ALBERT CITY, CITY OF STP	IA0034312	CITY CLERK, CITY HALL	ALBERT CITY	IA		50510	1.1E+11	Buena Vis	07			19021	N
ALBIA CITY OF STP (NORTH)	IA0036871	UNKNOWN	ALBIA	IA		52531	1.1E+11	Monroe	07			19135	N

We Now Have NPDES Violators

- ▶ We now have table of all recent violations that can be filtered:
 - ▶ By SIC: 4952 is Wastewater Treatment Plants
 - ▶ Violation type: numeric, reporting, compliance schedule, etc.
 - ▶ Pollutant type
 - ▶ BOD, TSS, NH₃ are those expected to come from Food Processors
- ▶ We now need a list of Industries potentially causing or contributing to the non-Compliance

Sources of Potential SIUs

- ▶ POTW permit applications.
 - ▶ Theoretically, the POTW is to provide a list of SIUs with its permit application
 - ▶ Generally, only available to State personnel
 - ▶ May not be automated
- ▶ Toxic Release Inventory Data (TRI)
 - ▶ Also available in ECHO (one stop shopping!)
 - ▶ All industries with > 10 employees is required to submit
 - ▶ Release levels are of little interest; it is the existence of a facility we are looking for
- ▶ Third Party Vendors

Third Party Vendors

U.S. Businesses Database

Quick Search

Advanced Search

Collapse All

Select All

Company Name

Company Name

Executives

Executive Name

Executive Title

Executive Gender

Executive Ethnicity

Business Type

Keyword/SIC/NAICS

Major Industry Group

Geography

Map Based Search

City / State

Metro Area

ZIP Codes



To start your search...

Click on the headings to the left to start your search. If you are uncertain what to search for, look for Search Tips within each section to help you along the way.

To further customize your search, select the Record Type you would like to search below to ensure you get the records you are looking for.

Record Type

Search Tips ⓘ Collapse ▾

- V** Verified Businesses (Phone verified and quality checked)
- U** Include Unverified Businesses (Not yet fully verified, may not be accurate)
- C** Include Closed / Out of Business Records (Suspected to be out of business)

VIEW RESULTS

UPDATE COUNT

RECORD COUNT

14,920,908

BUSINESS HISTORY

[more info](#)

CLEAR SEARCH

[Back To Top](#)

Available Databases

U.S. Businesses Database

Quick Search

Custom Search

Expand All

Select All

Company Name

Executives

Business Type ✓

Keyword/SIC/NAICS

Major Industry Group

Geography ✓

Map Based Search

State

City

Metro Area

ZIP Codes

Radius

County

Street Address

Neighborhood

Phone

Record Type

Search Tips Collapse

- V** Verified Businesses (Phone verified and quality checked)
- U** Include Unverified Businesses (Not yet fully verified, may not be accurate)
- C** Include Closed / Out of Business Records (Suspected to be out of business)

Major Industry Group

Search Tips Collapse Remove

- Agriculture, Forestry, & Fishing (01-09) 0 selected
- Mining (10-14) 0 selected
- Construction (15-17) 0 selected
- Manufacturing (20-39) 2980 selected**
- Transportation (40-49) 0 selected
- Wholesale / Distributors (50-51) 0 selected
- Retail Trade (52-59) 0 selected
- Finance, Insurance, & Real Estate (60-67) 0 selected
- Services (70-89) 0 selected
- Public Administration (91-98) 0 selected
- Nonclassified Establishments (99) 0 selected

VIEW RESULTS

UPDATE COUNT

RECORD COUNT

15,405,323

EMAIL COUNT

1,851,028

[more info](#)

CLEAR SEARCH

[Back To Top](#)

- Manufacturing (20-39) 166 selected
- 20-FOOD & KINDRED PRODUCTS MFRS 166 selected
- 21-TOBACCO PRODUCTS MFRS 0 selected
- 22-TEXTILE MILL PRODUCTS MFRS 0 selected
- 23-APPAREL & OTHER FINISHED PRODUCTS-MFRS 0 selected
- 24-LUMBER & WOOD PRODS EXCEPT FURNTR MFRS 0 selected
- 25-FURNITURE & FIXTURES MFRS 0 selected
- 26-PAPER & ALLIED PRODUCTS MFRS 0 selected
- 27-PRINTING PUBLISHING & ALLIED INDUSTRIES 0 selected
- 28-CHEMICALS & ALLIED PRODUCTS MFRS 0 selected
- 29-PETROLEUM REFINING & RELATED INDS MFRS 0 selected
- 30-RUBBER & MISCELLANEOUS PLASTICS MFRS 0 selected
- 31-LEATHER & LEATHER PRODUCTS MFRS 0 selected
- 32-STONE CLAY GLASS & CONCRETE PRODS MFRS 0 selected
- 33-PRIMARY METAL INDUSTRIES MFRS 0 selected
- 34-FABRICATED METAL PRODUCTS MFRS 0 selected
- 35-INDUSTRIAL & COMMERCIAL MACHINERY MFRS 0 selected
- 36-ELECTRONIC & OTHER ELECTRICAL EQUIP MFR 0 selected
- 37-TRANSPORTATION EQUIPMENT MFRS 0 selected
- 38-MEASURING & ANALYZING INSTRUMENTS-MFRS 0 selected
- 39-MISCELLANEOUS MANUFACTURING INDS MFRS 0 selected
- Transportation (40-49) 0 selected
- Wholesale / Distributors (50-51) 0 selected

Third Party Vendors- EPA Resource

The screenshot shows a web browser window displaying the EPA Intranet Desktop Library page. The browser address bar shows the URL: <http://intranet.epa.gov/desktop/hooversdb.html>. The page header includes the "ONE EPA Workplace" logo, the title "Desktop Library", and a search bar with the text "Search the Intranet...".

The main content area features a breadcrumb trail: "You are here: One EPA Workplace / Desktop Library / Databases / Hoover's Dun & Bradstreet".

About Hoover's Dun & Bradstreet

Hoover's Dun & Bradstreet is one of the largest business information databases that includes more than 65 million companies, 85 million contacts, and 900 industry segments. Powerful search, sort, and download features offer flexibility and advanced customization to support a wide range of research needs. In addition, get access to the latest headlines and news.

Access to Hoover's Dun & Bradstreet is available through your regional library. For assistance with searches please submit your request to your designated contact, listed below.

Contact Us

Program/Region	Contact	e-mail	Phone
Region 1 Library Boston, MA	Sabrina Holley-Williams	Library-Reg1@epa.gov	617-918-1990
Region 2 Library New York, NY	Ana Herrera	Region2_Library@epa.gov	212-637-3185
Region 3 Library Philadelphia, PA	Anne Gold	Library-Reg3@epa.gov	215-814-5362
Region 4 Library Atlanta, GA	Joshua Grimes	r4-library@epa.gov	404-562-8294
Region 5 Library Chicago, IL	Karen Swanson	library.r05@epa.gov	312-886-6822
Region 6 Library Dallas, TX	Abigail Morris	Region6.library@epa.gov	214-665-6424
Region 7 Library Kansas City, KS	Vince Shawver	R7-Library@epa.gov	913-551-7301
Region 8 Technical Library Denver, CO	Dedre Henderson	library-reg8@epa.gov	303-312-6743
Region 9 Environmental Information Center/ Library, San Francisco, CA	Kerry Shoji	Library-Reg9@epa.gov	415-972-3695

Additional features on the page include a "Quick Title Search" box, a "Browse by Topic" section, and an "Ask a Librarian" button with the text "Real Help. Real Fast! EPA Libraries".

Hoovers Example Data

	J	K	L	N	AE	AF	AG	AH	BF	BL	
1	Company Name	SIU?	Primary Addr	Primary City	Web Address	Latitude	Longitud	Line Of Business	Revenue (U)	Empl	Primary Industry
2	Seaboard Corporation		9000 W 67th St	Shawnee Missi	http://www.se	39.007704	-94.689609	Meat packing plants, nsk	6473.076	175	Finance & Insuran
3	Mgp Ingredients, Inc.		100 Commercial	Atchison	http://www.mgpingr	39.561725	-95.113898	Distilled and blended liquors	313.403	95	Beer, Wine & Distil
4	ADM Milling Co.		8000 W 110th St	Overland Park	www.admmilling.co	38.929177	-94.678579	Flour and other grain mill products, nsk	259.4	60	Grain Milling
5	Creekstone Farms Premium Beef LLC		604 Goff Industri	Arkansas City	www.creekstonefar	37.104188	-97.049029	Meat packing plants, nsk	71.3	700	Meat Product Manu
6	The Wichita Coca-Cola Bottling Company		10001 Industrial	Lenexa	www.coca-cola.com	38.946306	-94.749565	Bottled and canned soft drinks, nsk	70.1	180	Soft Drink Manufac
7	Danisco USA Inc.		4 New Century P	New Century	www.danisco.com	38.839533	-94.896351	Food preparations, nec, nsk	55.4	250	Food Manufacturin
8	CROSSWIND INDUSTRIES, INC.		509 S Us Old Hi	Sabetha	www.crosswindind	39.897825	-95.788447	Prepared feeds, nec, nsk	50.8	140	Livestock & Other A
9	Menu Foods Midwest Corporation		1400 E Logan Av	Emporia	www.simfoods.com	38.390594	-96.162522	Dog and cat food	46	321	Pet Food Manufact
10	Triple - T Foods, Inc.		1601 W Mckay St	Frontenac	www.tripletfoods.co	37.455023	-94.722721	Dog and cat food	45.3	50	Pet Food Manufact
11	Dold Foods, LLC		2929 N Ohio St	Wichita	www.hormel.com	37.737352	-97.324341	Meat packing plants, nsk	39.8	250	Meat Product Manu
12	Mgpi Processing, Inc.		100 Commercial	Atchison	www.mgpingredier	39.561725	-95.113898	Distilled and blended liquors	39.5		Distilleries
13	CFS WEST HOLDINGS, INC.		101 Prairie Villag	New Century	www.cfsauer.com	38.828113	-94.901301	Edible fats and oils	36.1	174	Edible Oils Manufa
14	Williams Foods, Inc.		13301 W 99th St	Lenexa		38.949172	-94.740889	Food preparations, nec, nsk	32.1	130	Seasoning & Dres
15	Ceva Animal Health, LLC		8735 Rosehill R	Lenexa		38.97069	-94.732788	Prepared feeds, nec, nsk	23.4	95	Livestock & Other A
16	King Tortilla Inc		249 23rd Ave	Moundridge		38.206707	-97.500875	Food preparations, nec, nsk	21.4	140	Bakery Product Ma
17	Hitchin Post Steak Co.		1101 S 5th St	Kansas City		39.07902	-94.621004	Poultry slaughtering and processing, nsk	21.2	100	Poultry Product Ma
18	MCSHARES, INC.		1835 E North St	Salina	www.researchprod	38.84896	-97.582231	Flour and other grain mill products, nsk	15.9	46	Grain Milling

A decorative graphic on the left side of the slide. It features a solid blue arrow pointing to the right, positioned horizontally. Behind the arrow and extending upwards and to the right are several thin, curved lines in shades of blue and grey, creating a sense of movement and depth.

IN SUMMARY

Finding Interference/Pass Through

- ▶ Two Basic Approaches

- ▶ With a list of NPDES violators from ECHO, check Industrial User Data Base for contributing industries

- ▶ With a list of Industrial Users from an Industrial User Data Base, check the compliance status of the receiving WWTP, but remember:

- ▶ The receiving POTW may not have sampling frequency requirements sufficient enough for reliable determination.

- ▶ There are types of Interference that don't show up as numeric violations.

INSPECTIONS MAY BE WARRANTED



QUESTIONS?

Paul Marshall

USEPA Region 7

913-551-7419

marshall.paul@epa.gov