

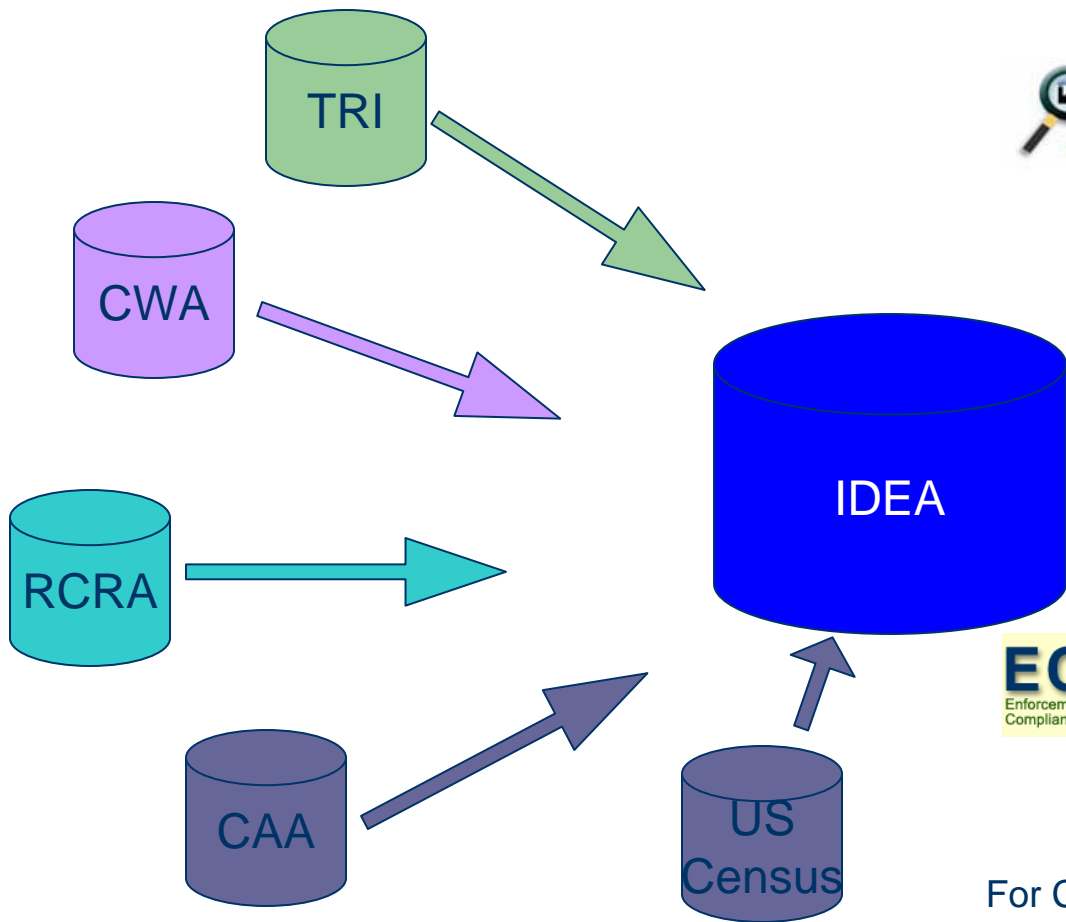
Using Cross-Media Data for Enforcement Targeting

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Turning Multiple Data Sources into Targeted Information



Facility Information <i>(Select Name to Read Report)</i>	Program ID#	Inspections (5 yrs)	Otrs in Non Compliance (3 yrs)	Alleged Current Significant Violations
<u>AT&T</u> 13300 VINT HILL RD NOKEVILLE, VA 20181 FRS ID: 110006463738	RCR: VA0000229542			no
<u>DOMINION TRANSMISSION</u> 10911 REID LANE NOKEVILLE, VA 20181 FRS ID: 110013285086	RCR: VAR000504175	2		no
<u>MANASSAS CITY WTP</u> 14320 OLENKIRK RD NOKEVILLE, VA 20181 FRS ID: 110010915590	AFS: 5115300817			no
<u>T.SLEVEN #16457</u> 13950 NOKEVILLE RD NOKEVILLE, VA 20181 FRS ID: 110006466995	PCS: VA0050181	3	n/a	n/a
	RCR: VAD068193108			no



For Conference Attendees Only

What is OTIS/ECHO?

How does it cross-reference national “stove-pipe” databases?

- Web-based interface to a data warehouse
- Uses FRS facility linkages
- Creates historical & current data
- 30+ national databases
- Separate Public and Agency interfaces
- Facility mapping tool with “Google”™
- Monthly refresh

Main benefits of ECHO

- Easy access for public and regulated industry
- Currently 3 yrs data range
- Wide range of information presented:
 - Facility universe by media
 - Inspection activities
 - Alleged violations
 - Enforcement actions
- Upcoming enhancements:
 - 5 yrs data range
 - ICIS-NPDES data
 - Enhanced mapping tool like OTIS
 - CWA Effluent charts like OTIS
 - Improved Data Alert and Error notification/tracking

Main benefits of OTIS

- Easy access for states/local agencies (S/L)
- Significant “management tools” for S/L and EPA
 - State Review Framework (SRF)
 - Watch List
 - MACT Prioritization Tool
- Currently 5 yrs data range
- Wide range of information: (ECHO plus much more)
 - TRI data in DFR
 - Enforcement Sensitive data in ICIS for EPA Regions
 - Analytical tools listed above
 - OTIS Management Reports with matrix and Excel outputs
- Recent enhancements:
 - ICIS-NPDES CWA data
 - Training and Presentation documents/web casts
 - OTIS “lab” page with prototypes, under development tools, etc.

Example ECHO output:



Enforcement & Compliance History Online (ECHO)

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Search Results (All Programs)

2 Facilities Returned

Information on the [enforcement process](#) is available on the FAQ page.

Entries in gray text denote records that are not federally required to be reported to EPA. These data may not be complete.



Facility Information <i>(Select Name to Read Report)</i>	Program ID#	Inspections (5 yrs)	Qtrs in Non Compliance (3 yrs)	Alleged Current Significant Violations	Informal Enforcement Actions/MOVs (5 yrs)	Formal Enforcement Actions (5 yrs)
BAE 9300 WELLINGTON ROAD MANASSAS, VA 20110 FRS ID: 110012173101	AFS: 5115300814	1	n/a	n/a		
	RCR: VAR000500637	2	6	yes		
UOSA - CENTREVILLE 14631 COMPTON ROAD CENTREVILLE, VA 20121 FRS ID: 110008186532	AFS: 5105900415		4	yes	2	
	PCS: VAL024988		n/a	n/a		
	PCS: VA0024988	12	1	no	4	
	RCR: VAD980716153	1		no		

Example OTIS output: Detailed Facility Report Shows “stove-pipe” data linkages

Detailed Facility Report



Report
Error

Data
Dictionary

For Public Release - Unrestricted Dissemination Report Generated on 11/06/2007
US Environmental Protection Agency - Office of Enforcement and Compliance Assurance

Facility Permits and Identifiers

Data Dictionary

Statute	System	Source ID	Facility Name	Street Address	City	State	Zip	
	FRS	110018925957	FORMOSA PLASTICS CORPORATION	201 FORMOSA DRIVE	POINT COMFORT	TX	77978	
CAA	AFS	4805700015	FORMOSA POINT COMFORT PLANT	201 FORMOSA DRIVE GATE 3	POINT COMFORT	TX	77978	
CAA	AFS	4805700026	FORMOSA HYDROCARBONS COMPANY INC	103 FANNIN ROAD	POINT COMFORT	TX	77978	
CWA	PCS	TX0085570	FORMOSA UTILITY VENTURE, LTD & FORMOSA PLASTICS CORPORATION,	201 FORMOSA DRIVE	CALHOUN COUNTY	POINT COMFORT	TX	77978
RCRA	RCR	TXD988088845	FORMOSA PLASTICS CORPORATION TEXAS	101 FORMOSA DR	POINT COMFORT	TX	77978	
RCRA	RCR	TX00011293	FORMOSA PLASTICS CORPORATION TEXAS	201 FORMOSA DR	POINT COMFORT	TX	77978	
RCRA	RCR	TX0000888164	FORMOSA PLASTICS CORPORATION TEXAS	FM 1593 .5 MI S OF HWY 35	POINT COMFORT	TX	77978	
EP313	TRI	77978FRMSPPOBOX	FORMOSA PLASTICS CORP. TEXAS	201 FORMOSA DR	POINT COMFORT	TX	77978	

Facility Characteristics

Data Dictionary

Statute	Source ID	Universe	Status	Areas	Permit Expiration Date	Latitude/ Longitude	Indian Country?	SIC Codes	NAICS Codes
	110018925957					LRT: 28.882500 , -96.545277	NA		
CAA	4805700015	Major (Fed. Rep.)	Operating	MACT (SECTION 63 NESHAPS), TITLE V PERMITS , SIP , PSD , NESHAP			NA	2821 2812	
CAA	4805700026	Major (Fed. Rep.)	Operating	TITLE V PERMITS , SIP			NA	4922	
CWA	TX0085570	Major	Active		08/01/2010	28.8825 , -96.5453	No	2821	
RCRA	TXD988088845	CESQG	Active (H)				No		325211
RCRA	TX00011293	TSDF LQG	Active (HPA)				No	2821	325211
RCRA	TX0000888164	CESQG	Active (H)				No		325211
EP313	77978FRMSPPOBOX					28.8833 , -96.5417	NA	2821 2869	

Examples OTIS outputs: Facility Query & map

Search Results- (RCRA Program)

9 Records Returned

Print

Map

[Return to Query](#)

Facility Information <i>(select buttons next to the name to view additional reports - Legend)</i>	Program ID#	Days Since Last Inspection	Qtrs in Non Compliance (3 yrs)	Current SNC	Informal Enforcement Actions/NOVs (5 yrs)	Formal Enforcement Actions (5 yrs)	Penalties (5 yrs)	TRI Releases to Land (lbs)	Percent Minority (3 mile radius)	Population Density (pop/mi ²) (3 mile radius)
Map Results (Hazardous Waste Program)										
A E S SOMERSET LLC 7725 LAKE RD BARKER, NY 14012	NYD000730465							753,969	6	51
AES CAYUGA LLC 228 MILLIKEN RD LANSING, NY 14882	NYD000730386							139,446	5	59
DYNEGY DANSKAMMER GENERATING STATION RIVER ROAD NEWBURGH, NY 12550	NYD980592612							145,849	16	583
DYNEGY ROSETON GENERATING STA 992 RIVER RD NEWBURGH, NY 12550	NYD075437145							145,849	16	583
GARAGE BURGOS CARR 901 KM 2.7 YABUCOA, PR 00767	PRR000015271							11,815	99	702
HQ 10TH MTN DIV & FORT DRUM 85 FIRST STREET WEST, FORT DRUM, NY 13602	NY0214020281							210,304	12	1015
HUNTLEY POWER LLC 3500 RIVER RD TONAWANDA, NY 14150	NYD003909694							19,816	13	1609
LAFARGE BUILDING MATERIALS INC US RTE 9W BETW OLD RAVENA, NY 12143	NYD002069557							32,010	8	260
TERMINAL STATION C SUB										



Example of OTIS Query with Mapped Results Non-majors DMR/Violation Data in Indiana



Example OTIS output: Finding a target and looking at satellite images

KOKOMO REGENCY M.H.P.
4508 E 200 S3 MILES SOUTH
KOKOMO, IN 46902
MINOR ACTIVE , NC-SNC COM
Directions: [To here](#) - [From here](#)
[zoom to](#)



OTIS Maps
Online Tracking Information System

Legend:
No Current Violations 1,2,3,5 Inspected within x year(s)
Unknown (AFS only)
Current Non Compliance
SNC/HPV
Major/TSD LQ

- This slide zooms to a satellite map of this mobile home park.
- Also useful for watershed analysis.

OTIS Upcoming Enhancements & Tools

- TRI & NEI “pollutant” query tool
 - Target non-notifiers of TRI, CAA permits, etc.
 - Target pollutant level dischargers/users
- CWA ICIS-NPDES Minor violation data