



# e-Manifest and RCRAInfo v6

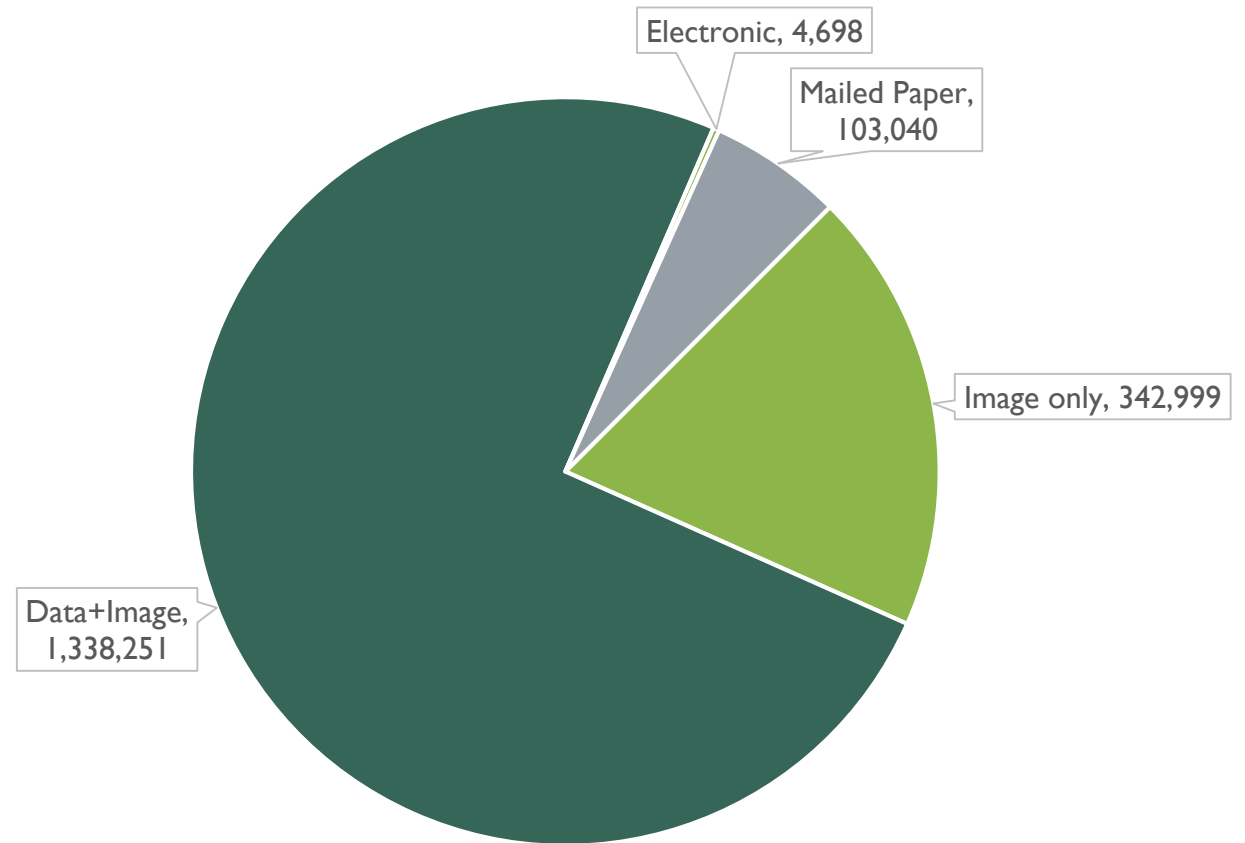
2019 ASTSWMO JOINT HAZARDOUS WASTE AND MATERIALS MANAGEMENT TRAINING



# E-MANIFEST SUMMARY

## *e-Manifest & RCRAInfo*

- Average Daily Submission:
  - 5,500
- Original estimate: 3.5M/year
- Current pace: 2M/year
- Mailed manifest backlog:
  - Total processed: 74k
  - Remaining: 58k
- Image only backlog:
  - Total processed: 40k
  - Remaining: 315k



Manifests Submitted Oct. 1 – July 31

# AGENDA

## *e-Manifest & RCRAInfo*

- Demonstration of e-Manifest
  - User Interface Search
  - V6 Reports
  - Data services
    - XML
    - APIs
- RCRAInfo v6 Update
  - Status
  - What's next
- Q and A

# E-MANIFEST

## *e-Manifest & RCRAInfo*

- User Interface Search – Homepage
  - Directly on v6 homepage
  - Allows user to search direct manifest information

The screenshot displays the RCRAInfo e-Manifest search interface. At the top, there is a navigation bar with the RCRAInfo logo and menu items: Home, Reports, USITS, Settings, and Tools. Below the navigation bar, the search interface is titled "Search" and has two tabs: "Handler" and "e-Manifest". The "e-Manifest" tab is selected. The search criteria are organized into a grid:

Search Criteria	
Manifest Tracking Number	Status
<input type="text"/>	<input type="text"/>
Site Type	Handler Id
<input type="text"/>	<input type="text"/>
Date Range Type	Date Range
<input type="text"/>	<input type="text"/>
Start Date	End Date
<input type="text"/>	<input type="text"/>

At the bottom of the search form, there are two buttons: "Search" (blue) and "Reset" (green).

# E-MANIFEST

# e-Manifest & RCRAInfo

- User Interface Search – Handler
  - Also on v6 homepage
  - Allows user to go into site's manifest dashboard and perform deeper searches into their activity

RCRAInfo Home Reports USITS Settings Tools Documentation

Home / Search Results

### Handler Search Result

Show 20 entries

Handler ID	Handler	e-Manifest	Biennial Report	Address
WAR000007450	CYLINDER DEPOT NON NOTIFIER			2606 COMMERCIAL RD

Showing 1 to 1 of 1 entries

RCRAInfo Home Reports USITS Settings Tools Documentation Stephen

Home / Search Results / e-Manifest / Summary

BASF TOTAL NAFTA REGION OLEFINS COMPLEX STATE HIGHWAY 366 GATE 99 & HW Y 73 - PORT ARTHUR TXR000039909

Summary Search Jump to Module

### Manifests

Show 5 entries Date Range Last 30 Days Enter Manifest Tracking Num Search Manifests

Manifest Tracking Number	Last Updated Date	Shipped Date	Received Date	Certified Date	Generator ID	Transporter ID	TSDF ID	Status	Action
012561191FLE	07/12/2019 07:54 AM	06/25/2019	07/05/2019	07/12/2019	TXR000039909	TXR000076257 NJD080631369 TXR000076257	TXD000838896	Signed	
012559574FLE	07/12/2019 07:54 AM	06/26/2019	07/05/2019	07/12/2019	TXR000039909	TXR000076257 NJD080631369 TXR000076257	TXD000838896	Signed	
012559566FLE	07/24/2019 08:20 AM	07/17/2019	07/17/2019	07/24/2019	TXR000039909	TXR000076257	TXD000838896	Signed	
012561192FLE	07/30/2019 03:24 PM	07/09/2019	07/09/2019	07/30/2019	TXR000039909	TXR000061283	TXR000084627	Signed	
012561195FLE	07/30/2019 03:24 PM	07/10/2019	07/10/2019	07/30/2019	TXR000039909	TXR000061283	TXR000084627	Signed	

Showing 1 to 5 of 14 entries Previous 1 2 3 Next

# E-MANIFEST REPORTS AVAILABLE NOW *e-Manifest & RCRAInfo*

- Designated Facilities with Delinquent Signatures Report
- Manifest Facilities Not in RCRAInfo or Information Has Been Modified Report
  - This report shows generators and/or designated facilities that are not in RCRAInfo or their information (name and/or address) has been changed on the manifest.
- Manifest Waste Shipment Report - Manifest Detail
  - This report shows manifest information for handlers with manifests that meet the user selected criteria.
- Manifest Waste Shipment Report – Summary
  - This report shows summary information for handlers with manifests that meet the user selected criteria.
- Manifest Waste Shipment Report - Waste Line Detail
  - This report shows the waste line information for each manifest meeting the user selected criteria.
- Transporters with High Transit Days Report
  - This report shows the transporters that have exceeded the threshold for the number of days a hazardous waste shipment is in transit.

- Inspectors Report – ***In Production Soon!***
  - This report represents a list of manifests for a site with each report row representing a manifest line number on a manifest. For example, one manifest is spread out over 20 rows because it had more than 20 waste lines.
- State Data Extract
  - Although this will be similar to the public data extract of the manifest data, it will be focused on handlers for a particular state.
  - Separate concept from standard RCRAInfo reports due to the size of data

## OTHER V6 REPORTS THAT COMPLEMENT E-MANIFEST

*e-Manifest & RCRAInfo*

- BR Data Quality
- Handler Reports
  - General Handler Report
  - Single Line Handler Report
- User Maintenance
  - **RCRAInfo Users Permissions Report**
  - Handlers With No Signatory Authority Report
  - Industry Permissions Report
  - Users With Pending ESAs Report



# DATA SERVICE – NODE TRANSLATION (XML) *e-Manifest & RCRAInfo*

e-Manifest data is currently available via **Services** as of RCRAInfo v5.7 Schema

## **Service Name:**

- GetEMDataByState

## **Type:**

- Solicit (Outbound)

## **Parameters:**

- State (Required)
- changeDate (Optional)
- endDate (Optional but encouraged)

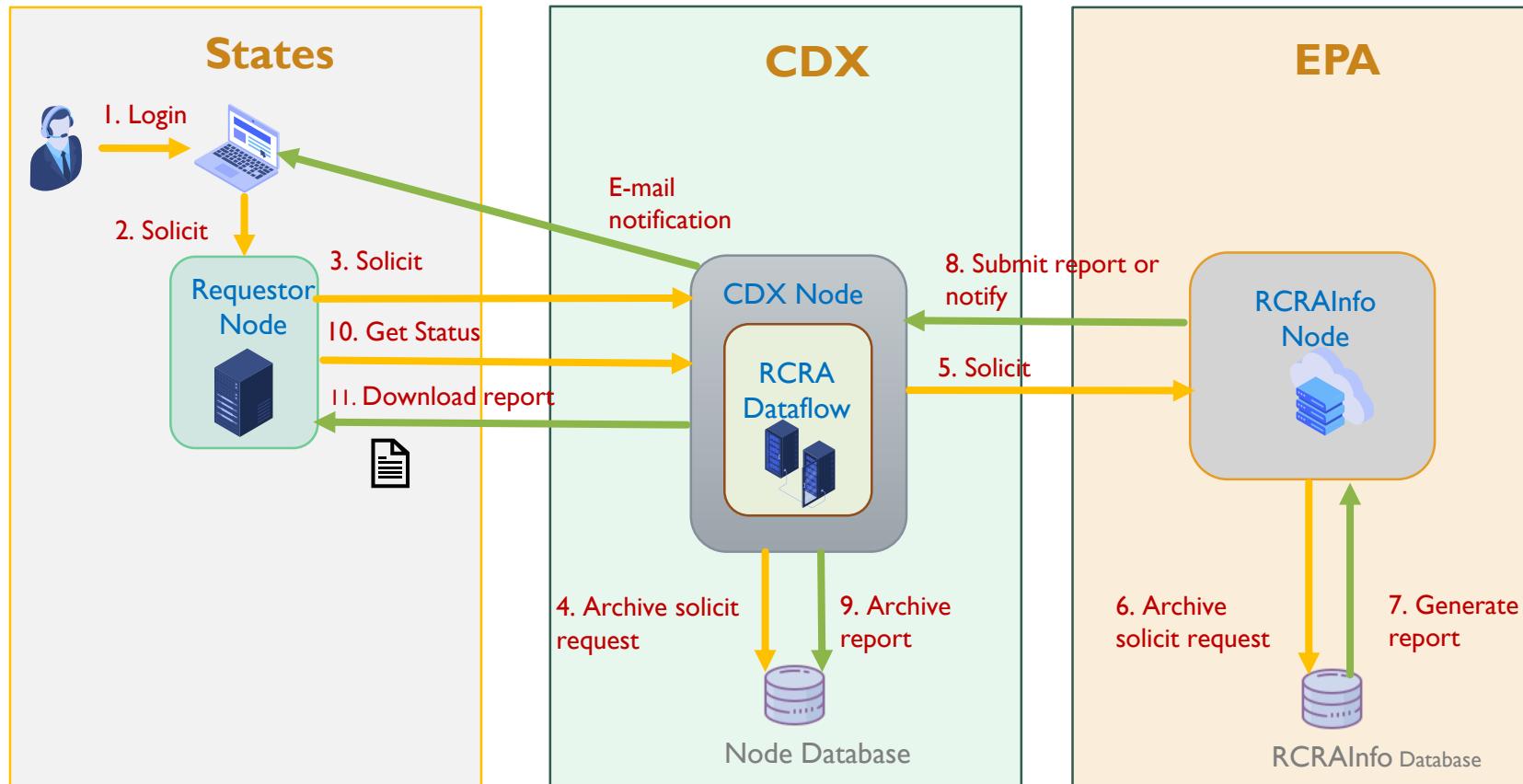
## **Documentation:**

- <https://www.exchangenetwork.net/data-exchange/rcrainfo/>
- RCRAInfo V6 -> Documentation -> Technical Help -> Translation

## **Help Contact:**

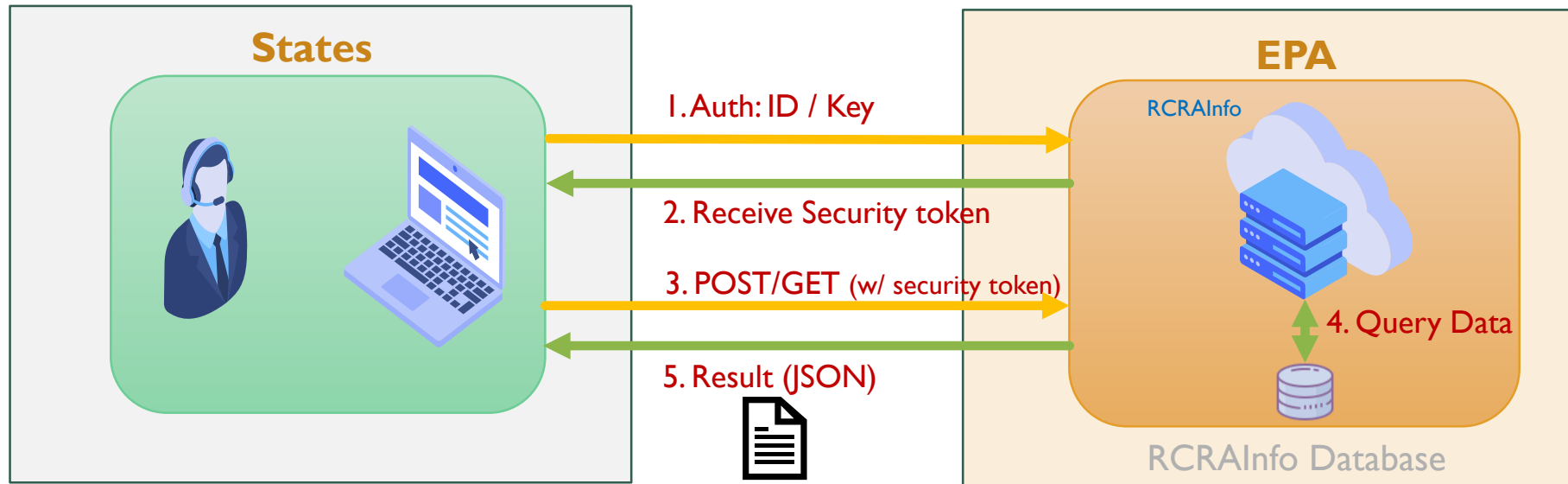
- [yin.jianchu@epa.gov](mailto:yin.jianchu@epa.gov)

# DATA SERVICE – NODE TRANSLATION (XML) *e-Manifest & RCRAInfo*



# DATA SERVICE – REST API (JSON)

# *e-Manifest & RCRAInfo*



# DATA SERVICE – REST API (JSON)

# *e-Manifest & RCRAInfo*

## Q: What is REST API?

A: Direct, lightweight HTTPS calls directly to RCRAInfo. Response provided in JSON format which is simpler to read and maintain than XML

## Q: How do I get started?

A: Generate an API ID and Key (machine level user ID and password tied to your V6 user) straight from RCRAInfo V6

## Q: Where are your API services documented?

A:

- Swagger: <https://rcrainfo.epa.gov/rcrainfoprod/secured/swagger/>
- Github: <https://github.com/USEPA/e-manifest>
- RCRAInfo V6 Documentation -> Help -> Technical Help -> Web Services

The image shows two overlapping screenshots. The background screenshot is the RCRAInfo V6 'Manage API' page. It features a blue navigation bar with 'RCRAInfo' logo and links for Home, Reports, USITS, Settings, Tools, and Documentation. The main content area has tabs for 'Overview' and 'Manage API'. Under 'API Management', it explains that the utility allows states and regions to generate and manage API IDs/keys. It displays an 'API ID' (479302bc-0a92-4669-b5ba-5017071393b4) with a 'Copy' button, an 'API Key' (masked as [HIDDEN]), a 'Status' of 'Active', and a 'Last API Auth Date'. A 'Regenerate API Key' button is at the bottom.

The foreground screenshot is the Swagger UI. It has a green header with the 'swagger' logo and the URL 'https://rcrainfo.epa.gov/rcrainfoprod/rest/swagger.json' with an 'Explore' button. The main area lists various API services, each with 'Show/Hide', 'List Operations', and 'Expand Operations' links:

- [All] Authentication Services
- [Industry] e-Manifest Lookup Services
- [Industry] e-Manifest Services
- [Industry] e-Manifest UI Link Services
- [Industry] Lookup Services
- [Industry] Site Services
- [Regulator] Handler Services
- [Regulator] User Services

At the bottom, it shows '[ BASE URL: /rcrainfoprod/rest , API VERSION: 1.0.2 ]' and an 'ERROR' button with a red icon.

- 30 Minutes to Services at the RCRAInfo National Conference!

# RCRAINFO V6 UPDATE

# *e-Manifest & RCRAInfo*

## Recently Released

- Migration & improvements to V6 reports
- Improved industry e-Manifest invoice view and retrieval mechanisms
- Added more business rules to e-Manifest to improve data quality

## Available for User Testing

- e-Manifest Inspector Report\*
- Pharmaceutical Rule (Subpart P) enhancements
- e-Manifest Services\*

## Coming Soon...

- e-Manifest State Corrections
- State specific instructions for myRCRAid
- Brokers/Transporters
- Permitting Module in V6
- New Reporting tools
- 2019 BR Cycle

Stay in touch! Look for our Deployment Calendar on the RCRAInfo V6 Home Page

# Q AND A

## *e-Manifest & RCRAInfo*



[This Photo](#) by Unknown Author is licensed under [CC BY-NC-ND](#)

## USEFUL LINKS

## *e-Manifest & RCRAInfo*

- [RCRAInfo Deployment Calendar](#)
- [Regional e-Manifest Contacts](#)
- [Donnelly.Stephen@epa.gov](mailto:Donnelly.Stephen@epa.gov)
- [Muir.Christopher@epa.gov](mailto:Muir.Christopher@epa.gov)