e-Manifest and RCRAInfo v6

2019 ASTSWMO JOINT HAZARDOUS WASTE AND MATERIALS MANAGEMENT TRAINING
E-MANIFEST SUMMARY

- 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

Data+Image, 1,338,251
Mailed Paper, 103,040
Image only, 342,999
Electronic, 4,698

Manifests Submitted Oct. 1 – July 31
AGENDA

- 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

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

- User Interface Search – Handler
  - Also on v6 homepage
  - Allows user to go into site’s manifest dashboard and perform deeper searches into their activity
E-MANIFEST REPORTS AVAILABLE NOW

- 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.
UPCOMING E-MANIFEST FEATURES

- 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

- 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
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.exchangetwebsite.net/data-exchange/rcrainfo/](https://www.exchangetwebsite.net/data-exchange/rcrainfo/)
- RCRAInfoV6 -> Documentation -> Technical Help
  -> Translation

**Help Contact:**
- yin.jianchu@epa.gov
DATA SERVICE – NODE TRANSLATION (XML)  e-Manifest & RCRAInfo

1. Login
2. Solicit
3. Solicit
4. Archive solicit request
5. Solicit
6. Archive solicit request
7. Generate report
8. Submit report or notify
9. Archive report
10. Get Status
11. Download report

States

CDX

EPA

Requestor Node

CDX Node

Node Database

RCRAInfo Node

RCRAInfo Database

1. Login
2. Solicit
3. Solicit
4. Archive solicit request
5. Solicit
6. Archive solicit request
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DATA SERVICE – REST API (JSON)  

**States**

1. Auth: ID / Key
2. Receive Security token
3. POST/GET (w/ security token)
4. Query Data
5. Result (JSON)

**EPA**

RCRAInfo Database
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
DATA SERVICE – NEXT STEPS

- 30 Minutes to Services at the RCRAInfo National Conference!
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

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USEFUL LINKS

- RCRAInfo Deployment Calendar
- Regional e-Manifest Contacts
- Donnelly.Stephen@epa.gov
- Muir.Christopher@epa.gov