THINK WISELY... EPA Hazardous Waste e-Manifest System

Requirements For The 21st Century

caltech.edu

Caltech

Agenda

- · What's all the fuss about?
- · User permissions
- · Paper vs Hybrid
- · University vs Industrial

caltech.edu

Caltech

General Background

- Shipment of hazardous waste requires paper manifest
- Depending on what states, generator would send to EPA or state agency
- Starting June 30th, manifest information is stored onto one database

caltech.edu

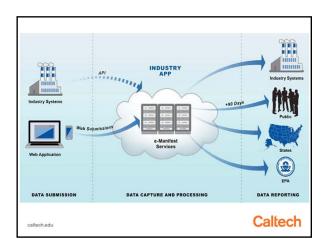
Caltech

How Does It Work?

- Module of RCRAInfo system
- · Three industry applications
 - MYRCRAid
 - biennial report
 - e-manifest
- · Identity proofing for electronic signatures

caltech.ed

Caltech



Why Is This Important?

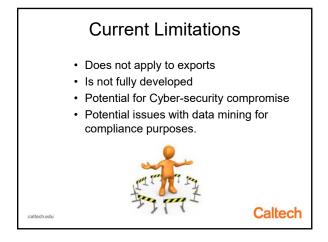
- · Paper format to electronic database
- · Increases efficiency
- · Maintains chain of custody

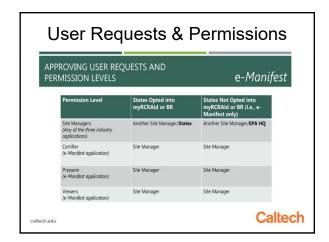


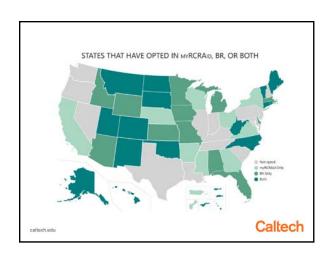
caltech.edu

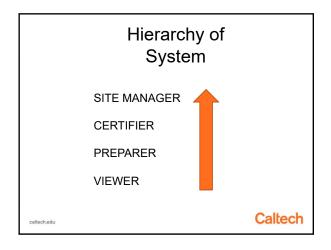
Caltech

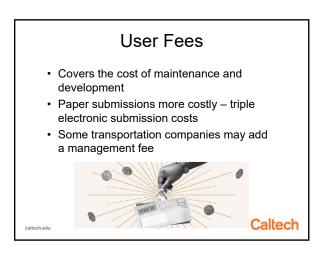












User Fees

- Paper manifest submitted to the EPA: \$15
- · Scanned image: \$10
- Pdf image and data file submitted together: \$6.50

Caltech

• e-Manifest system or hybrid method: \$5

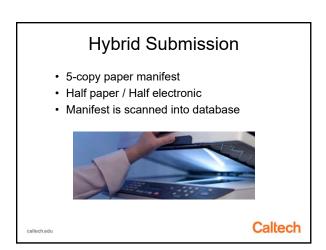
ltech.edu

Notable Exceptions

- 100% non-regulated material no fee
- · Rejection to alternate facility fee
- · Return to generator manifest fee

edu Caltech

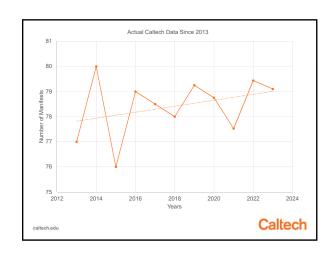


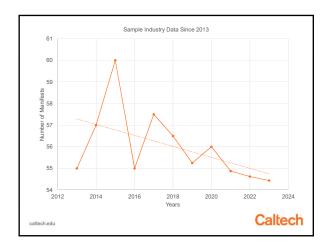


Financial Analysis

- Diversity of waste is a significant factor driving higher costs
- Research Facilities have more diversity
 Universities, Research Centers, etc.
- Industrial facilities have greater quantity and fewer types of chemicals

altechedu Caltech





Strategies for Success

- · Location, Location, Location
- · Associated packing costs
- Bulk whenever possible
- · Minimize manifest submittals



caltech.edu

Facility Stakeholders

- Vendors deal with most of the implementation
- · Find a happy medium with customer
- · Reduce number of manifests



Caltech

Conclusion

- · Cost \$avings
- Don't have full electronic access? Use the hybrid method
- · Keep an eye out for system updates
- Vendor → ← Customer friction

caltech.edu

Caltech

Additional Information

- For FAQ or updates go to <u>www.epa.gov/e-Manifest</u>
- e-Manifest help desk for industry users helpdesk@epacdx.net

caltech.edu

Caltech

Sources



- Learn about the Hazardous Waste Electronic Manifest System (e-Manifest) https://www.epa.gov/e-manifest/learn-about-hazardous-waste-electronic-manifest-system-e-manifest-
- Frequent Questions about e-Manifest https://www.epa.gov/e-manifest/frequent-questions-about-e-manifest
- e-Manifest: Updated Manifest Scenarios https://github.com/USEPA/emanifest/blob/553292907bda55b1304853eb9a452220835194 52/Reference/Updated%20Manifest%20Scenarios%20-%2007262018.pdf

caltech.edu

Caltech