



# ***e-Manifest***

Monthly Webinar Series

August 31, 2022



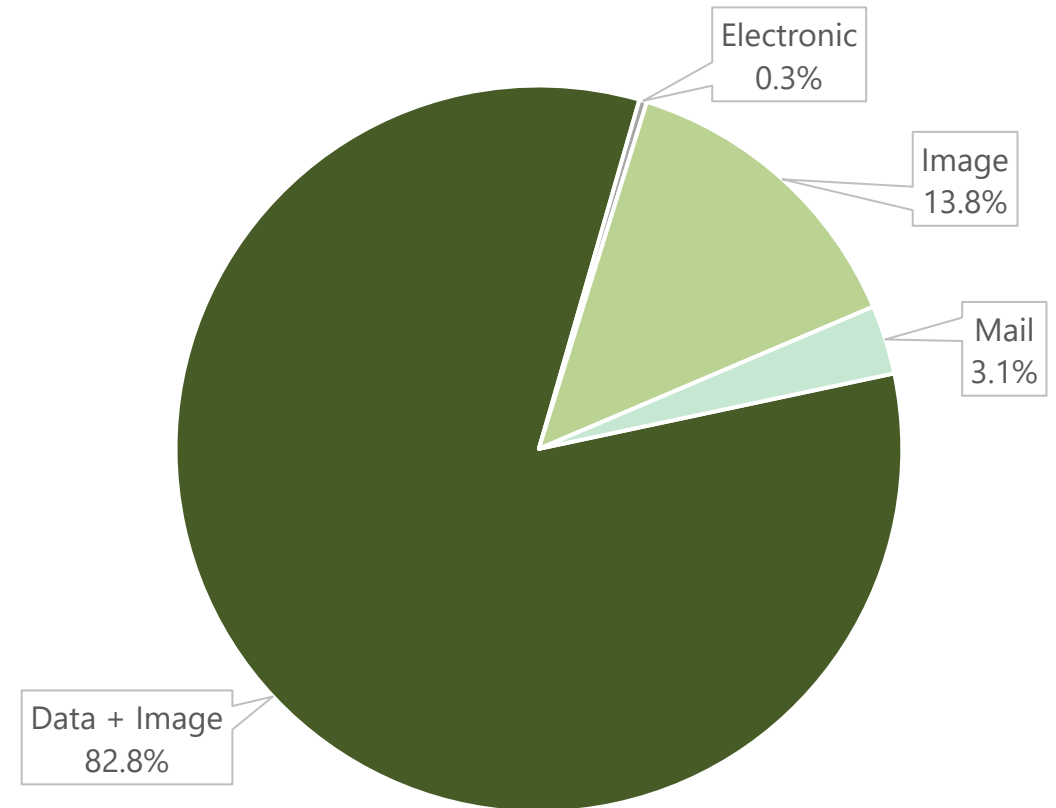
# Agenda

- e-Manifest Submission Updates
- Announcement of New e-Manifest Advisory Board Membership Appointments and Reappointments
- October 4-6, 2022, e-Manifest Advisory Board Public Meeting
  - Meeting Topic: *"Road to 100% Electronic Manifests"*
- Overview of EPA White Paper and Charge Questions for the e-Manifest Advisory Board Public Meeting
- State Corrections
- Missing Manifests
- Conclusion
  - Q&A

# All Time e-Manifest Submission Summary

Submitted manifests: 7.4M

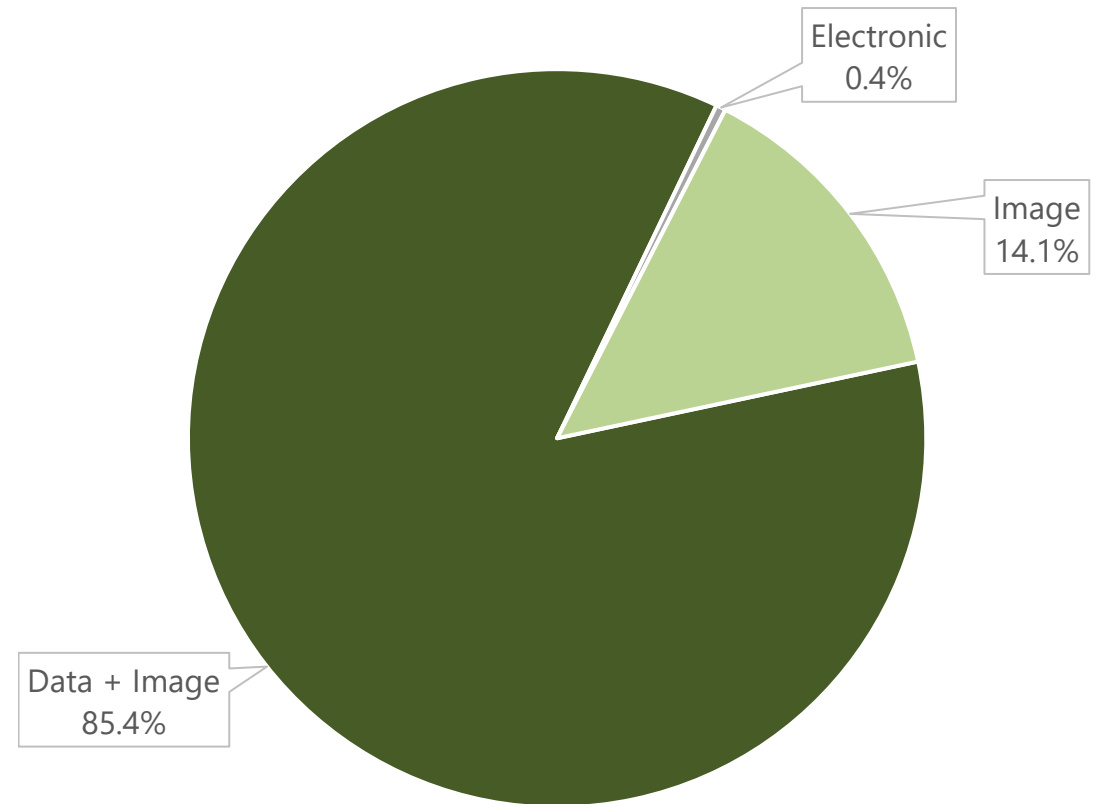
- Submission breakdown:
  - Data + Image: 6.13M
  - Image Only: 1.02M
  - Mail: 227K
  - Electronic: 25K



# 30-day Submission Breakdown

Submitted manifests: 148,126

- Submission breakdown:
  - Data + Image: 126,563
  - Image Only: 20,933
  - Electronic: 630



# Announcement of New e-Manifest Board Appointments and Reappointments

*e-Manifest*

Name	Organization	Member Type
Lauren Ancona	General Services Administration	<b>Information Technology Expert</b>
Tevfik Kosar, PhD	State University of New York at Buffalo	
Terry Baer	Arizona Department of Environmental Quality	<b>State Representative Member</b>
Jennifer Hopper	Maryland Department of Environment	
Stacy Sinclair, EdD	Los Angeles County Metropolitan Transportation Authority	
Angie Martin	Heritage Environmental Services	<b>Industry Representative Member</b>
Sixto Ortiz	Waste Management, Inc.	
Jackie Velazquez	Encamp, Inc.	

# October 4-6, 2022, e-Manifest Advisory Board

*e-Manifest*

## Public Meeting: *"Road to 100% Electronic Manifest"*

- e-Manifest Advisory Board will meet for a three (3) day virtual public meeting on October 4-6, 2022, from approximately 10:00 AM to 6:00 PM EST.
- The meeting theme is *"Roadmap to 100% Electronic Manifest"*.
- The meeting background materials are currently available in the public docket at [www.regulations.gov](http://www.regulations.gov) under docket no. [EPA-HQ-OLEM-2022-0611](https://www.regulations.gov/document/EPA-HQ-OLEM-2022-0611). These materials include:
  - EPA's White Paper
  - e-Manifest Advisory Board Charge Questions
  - Official transmittal memo for these materials

# October 4-6, 2022, e-Manifest Advisory Board Public Meeting: "Road to 100% Electronic Manifest" (Cont'd)

e-Manifest

- **REGISTRATION IS NOW OPEN:** This public meeting will be conducted virtually. Registration is required to attend this meeting. Please refer to the e-Manifest Advisory Board website at <https://www.epa.gov/e-manifest/hazardous-waste-electronic-manifest-system-e-manifest-advisory-board> for information on how to register either as a public audience attendee or as an oral public commenter.
- **Written comments.** EPA encourages the electronic submission of written comments via <http://www.regulations.gov>, into docket ID number [EPA-HQ-OLEM-2022-0611](https://www.epa.gov/e-manifest/hazardous-waste-electronic-manifest-system-e-manifest-advisory-board) on or **before September 27, 2022**, to provide the e-Manifest Advisory Board the time necessary to consider and review the written comments.
- **Oral comments.** EPA encourages each individual or group wishing to make brief oral comments to the e-Manifest Advisory Board to please register as an oral commenter for the meeting at the e-Manifest Advisory Board website, <https://www.epa.gov/e-manifest/hazardous-waste-electronic-manifest-system-e-manifest-advisory-board>, **by noon on September 27, 2022**, in order to be included on the meeting agenda.
- For more information, you may either visit the e-Manifest Advisory Board website or you may also contact Fred Jenkins, DFO of the e-Manifest Advisory Board via at e-mail: [jenkins.fred@epa.gov](mailto:jenkins.fred@epa.gov).

# EPA White Paper Executive Summary of Potential Options

## *e-Manifest*

- **Site Manager/Dispatcher Signs Electronic Manifest**

- This would be a policy change to allow Site Managers/Dispatchers to sign electronic manifests as the generator, transporter, or initial signature by the receiving facility.

- **Quicker Sign – Quick Sign via Services**

- This would be an IT change to allow the Site Manager/Dispatcher to use e-Manifest's services (API) to upload the electronic signature along with the electronic manifest information to EPA's e-Manifest system.

- **Daily Batch Upload**

- This would be an IT change to the electronic manifest workflow to allow users to upload electronic manifest information, including electronic signatures, to EPA's e-Manifest system once a day and as the hazardous waste shipment progresses.

- **Data No Image**

- This would be both a policy and IT change to allow users to upload the signed electronic manifest to EPA's e-Manifest system at the end of the shipment. Because the e-Manifest system would not receive the electronic manifest until the end, the e-Manifest system would be unable to provide electronic copies of the manifest to other users, e.g., the generator.

- **Sunset All Paper Manifests/Biennial Report Integration**

- This would be both a policy and IT change to allow users to upload the signed electronic manifest to EPA's e-Manifest system at the end of the shipment. Because the e-Manifest system would not receive the electronic manifest until the end, the e-Manifest system would be unable to provide electronic copies of the manifest to other users, e.g., the generator.



# Quicker Sign

- Quicker Sign:
  - Modify the existing e-Manifest services to allow signatures via system-to-system communications
  - Works very well with Dispatcher/Site Manager signing; e.g., Site Manager uses API login and key
  - Users with network connectivity could sign in external systems that have integrated with the e-Manifest application programming interface (API).
  - Users can also still sign via the RCRAInfo user interface if they are not using software that has integrated with the API.

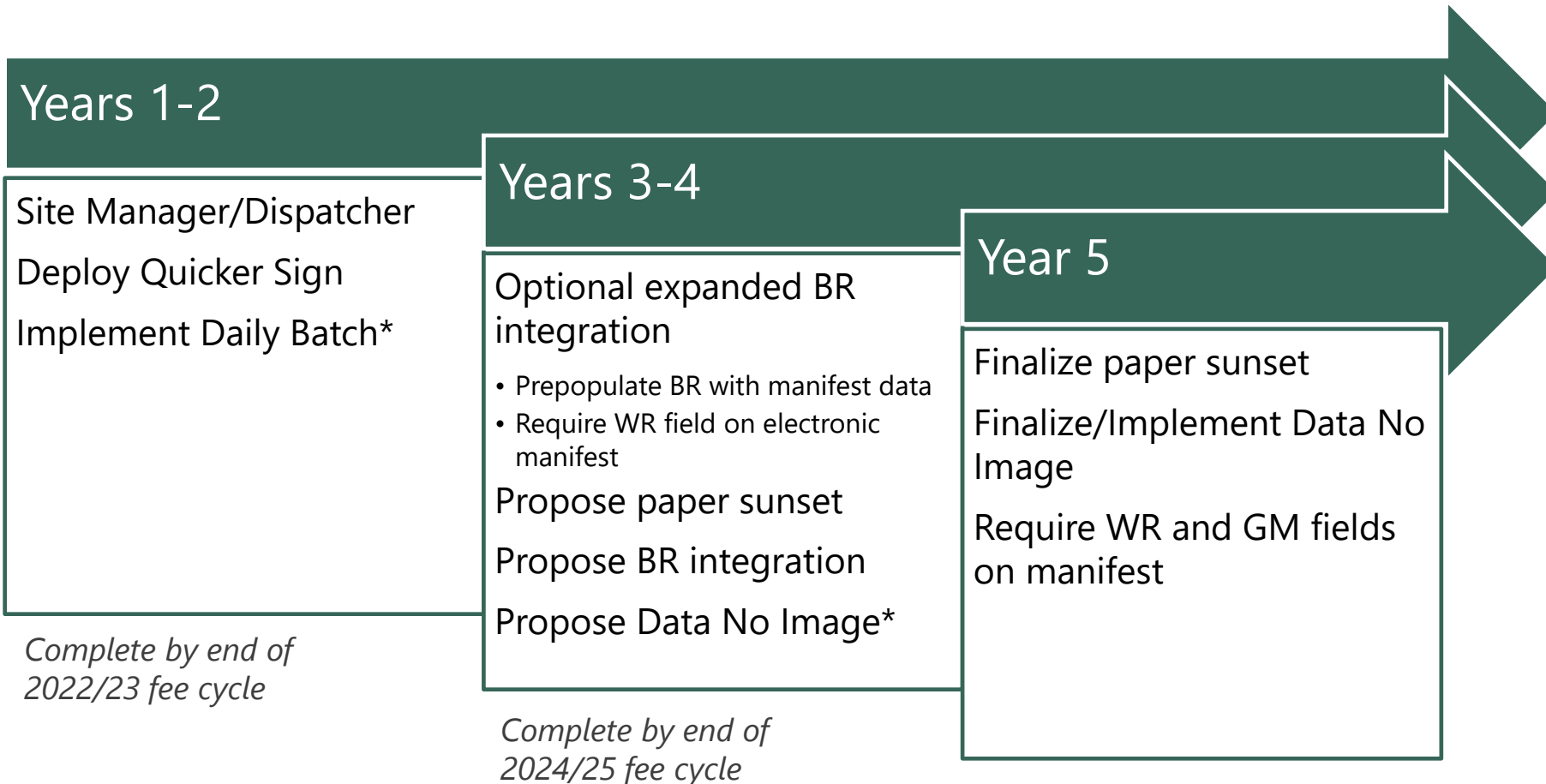
# Daily Batch and Data No Image Summary

	Daily Batch	Data No Image
Leverages success of e-Manifest API (i.e., Data plus Image)	X	X
Required to begin in system to get MTN	X	X
Requires all handlers have registered SM	X	X
Allows offline signature/Quicker Sign	X	X
e-Manifest system updated daily	X	
CROMERR signature on final manifest	X	X
Generators/transporters verify data post-submission		X
Uses manifest system to provide generator/transporter copies	X	
Does not require rulemaking to implement	X	

# Sunset Paper/BR Integration

- Establish a regulatory deadline for sunseting paper manifests.
- With 100% adoption of electronic manifests, EPA can further reduce user burden by leveraging manifest data to satisfy biennial reporting requirements
- There are 3 approaches:
  1. e-Manifest prepopulates the BR
  2. Replace Waste Received From Off-Site (WR) Form with WR fields on manifest (requires Paper Sunset implementation)
  3. Replace WR Form with WR fields on manifest & require Waste Generation and Management (GM) Form fields on manifest (requires Paper Sunset implementation)

# Roadmap to 100% Electronic Manifesting



\* The Daily Batch and Data No Image solutions are mutually exclusive. The selection between them will occur in Year 1.

*Complete by end of 2026/27 fee cycle*

# State Corrections

- New Functionality going live on 9/23/2022 -> Correction Requests
- Regulatory users on a manifest are now able to request industry users on a manifest to make corrections to that manifest.
- The new functionality will allow regulators to detail any issues with the manifest and to notify the handlers on the manifest of the issues with the manifest that need correction.
- The functionality will even allow regulators to reach out to sites not registered in RCRAInfo and invite them to register and for their site so that they can make those corrections.

# Missing Manifests

- States and generators have alerted EPA Headquarters of manifests that should be in e-Manifest but are not.
- EPA and States have started to reach out to non-compliant receiving facilities
- All receiving facilities need to look at their shipments and ensure all manifests that should be uploaded are uploaded.
- **Bottom Line:** If a state requires a generator (VSQG, SQG, LQG) to put their waste on a manifest then that manifest is required to be uploaded into e-Manifest.

# Contact Info and Useful Links

- Help desk: (833) 501-6826
- Subscribe to our low-volume listservs
  - [eManifest-subscribe@lists.epa.gov](mailto:eManifest-subscribe@lists.epa.gov) for general program updates
  - [e-manifestdev-subscribe@lists.epa.gov](mailto:e-manifestdev-subscribe@lists.epa.gov) developer only updates
- e-Manifest Program website: <https://www.epa.gov/e-Manifest>
  - FAQs: <https://www.epa.gov/e-manifest/frequent-questions-about-e-manifest>
  - Webinars: <https://www.epa.gov/e-manifest/monthly-webinars-about-hazardous-waste-electronic-manifest-e-manifest>
- GitHub Repository: <https://github.com/USEPA/e-manifest>

# Q & A

- Please enter any questions into the chat.

