e-MANIFEST API WEBINAR DAY SESSION I: TECHNICAL WORKSHOP ON e-MANIFEST API

MARCH 19, 2018 10:30 AM (EST)

AGENDA

- Introduction
- Previous API workshops
- New services
- System updates based on user testing
- Next steps
- Contacting EPA

WORKSHOPS

- In November we held two API technical workshops
 - We went over the registration, process workflows, API keys, JSON schema, sample client, and answered a lot of questions
 - Updated application based on user feedback
- In January we held an API workshop
 - Registration, API keys, available services (recap from November)
 - We will go over services focusing on submitting paper manifests via services
 - Per the developer's listserv, we'll also discuss the hybrid workflow.
 - Schema Updates
- Today's API workshop
 - Your Questions
 - Updates to the Schema
 - Using the Services

YOUR QUESTIONS

- Submitting Manifests
 - One at a time
 - Future work
- Statuses
 - What they are
 - Draft
 - Pending
 - Scheduled
 - In-Transit
 - Ready For Signature
 - Signed
 - Signed-Complete

- Handler without IDs
 - Since manual entry of handlers is allowed, how will duplicate entries be detected
 - How will manual entries be loaded in as officially registered handlers
 - RCRAInfo site information is out of date, particularly site contact names and phone numbers.
 - How to update
- Data+Image vs Full Electronic
 - The scenario for prepopulation
- On Behalf of
- Site Manager
 - Hierarchy
 - Number of

e-Manifest

Waste

- Quantity (Integers Only)
- Waste Profiles
- Illinois and Texas
- DOT Information
 - Out of Date in Test
 - Proper Shipping Name
 - We are splitting PSN into PSN and comments one potential option is:
 - Not require PSN where there is one to one relationship between un id and PSN (95% cases)
 - Obtain PSN by provided un id number from the lookup and populate the dot PSN field
 - Still populate hazard class and packing group
 - Hazardous Materials Flag
 - Printed DOT Information
- New Data Elements Covered Later

- Corrections
 - Signed-Complete
 - In route vs after
- Services
 - The save and update manifest service requires a zipped PDF file for an image upload.
 - Datalmage I Copy
 - Delete
 - Pending

- Rail Manifests
- Notifications
- What Triggers manifest billing
- Milk Runs, Consolidated loads
- Signatures
 - Bulk Sign
- Brokers
 - EPA ID
 - Allowed IDs list
 - Pages

- Reports
 - Manifests Submitted for payment
 - Manifests outstanding
 - Tons moved
 - Searching on Label information
 - Stale Manifests

UPDATED JSON

- Rejection
- Discrepancy
- Residue
- Import
- Texas Waste Codes
- Proper Shipping Name and comments

NEXT STEPS

- Catching Front-end up to Services
- Broker screens
- Notifications
- Corrections
- In-Transit Changes
- Payments
- Continued user testing

FOR MORE INFORMATION

- Visit EPA's Manifest Program webpage at: <u>www.epa.gov/e-manifest</u>
- e-Manifest IT information: https://github.com/USEPA/e-manifest/
- Submit input/questions to <u>eManifest@epa.gov</u>
- Subscribe to the general interest e-Manifest ListServ; send a blank message to: <u>eManifest-subscribe@lists.epa.gov</u>
- Subscribe to the development-focused e-Manifest ListServ; send a blank email to: <u>e-ManifestDev-subscribe@lists.epa.gov</u>

e-MANIFEST API WEBINAR DAY SESSION I: TECHNICAL WORKSHOP ON e-MANIFEST API

MARCH 19, 2018 10:30 AM (EST)

AGENDA

- Introduction
- Previous API workshops
- New services
- System updates based on user testing
- Next steps
- Contacting EPA

WORKSHOPS

- In November we held two API technical workshops
 - We went over the registration, process workflows, API keys, JSON schema, sample client, and answered a lot of questions
 - Updated application based on user feedback
- In January we held an API workshop
 - Registration, API keys, available services (recap from November)
 - We will go over services focusing on submitting paper manifests via services
 - Per the developer's listserv, we'll also discuss the hybrid workflow.
 - Schema Updates
- Today's API workshop
 - Your Questions
 - Updates to the Schema
 - Using the Services

YOUR QUESTIONS

- Submitting Manifests
 - One at a time
 - Future work
- Statuses
 - What they are
 - Draft
 - Pending
 - Scheduled
 - In-Transit
 - Ready For Signature
 - Signed
 - Signed-Complete

- Handler without IDs
 - Since manual entry of handlers is allowed, how will duplicate entries be detected
 - How will manual entries be loaded in as officially registered handlers
 - RCRAInfo site information is out of date, particularly site contact names and phone numbers.
 - How to update
- Data+Image vs Full Electronic
 - The scenario for prepopulation
- On Behalf of
- Site Manager
 - Hierarchy
 - Number of

e-Manifest

Waste

- Quantity (Integers Only)
- Waste Profiles
- Illinois and Texas
- DOT Information
 - Out of Date in Test
 - Proper Shipping Name
 - We are splitting PSN into PSN and comments one potential option is:
 - Not require PSN where there is one to one relationship between un id and PSN (95% cases)
 - Obtain PSN by provided un id number from the lookup and populate the dot PSN field
 - Still populate hazard class and packing group
 - Hazardous Materials Flag
 - Printed DOT Information
- New Data Elements Covered Later

- Corrections
 - Signed-Complete
 - In route vs after
- Services
 - The save and update manifest service requires a zipped PDF file for an image upload.
 - Datalmage I Copy
 - Delete
 - Pending

- Rail Manifests
- Notifications
- What Triggers manifest billing
- Milk Runs, Consolidated loads
- Signatures
 - Bulk Sign
- Brokers
 - EPA ID
 - Allowed IDs list
 - Pages

- Reports
 - Manifests Submitted for payment
 - Manifests outstanding
 - Tons moved
 - Searching on Label information
 - Stale Manifests

UPDATED JSON

- Rejection
- Discrepancy
- Residue
- Import
- Texas Waste Codes
- Proper Shipping Name and comments

NEXT STEPS

- Catching Front-end up to Services
- Broker screens
- Notifications
- Corrections
- In-Transit Changes
- Payments
- Continued user testing

FOR MORE INFORMATION

- Visit EPA's Manifest Program webpage at: <u>www.epa.gov/e-manifest</u>
- e-Manifest IT information: https://github.com/USEPA/e-manifest/
- Submit input/questions to <u>eManifest@epa.gov</u>
- Subscribe to the general interest e-Manifest ListServ; send a blank message to: <u>eManifest-subscribe@lists.epa.gov</u>
- Subscribe to the development-focused e-Manifest ListServ; send a blank email to: <u>e-ManifestDev-subscribe@lists.epa.gov</u>

e-MANIFEST API WEBINAR DAY SESSION I: TECHNICAL WORKSHOP ON e-MANIFEST API

MARCH 19, 2018 10:30 AM (EST)

AGENDA

- Introduction
- Previous API workshops
- New services
- System updates based on user testing
- Next steps
- Contacting EPA

WORKSHOPS

- In November we held two API technical workshops
 - We went over the registration, process workflows, API keys, JSON schema, sample client, and answered a lot of questions
 - Updated application based on user feedback
- In January we held an API workshop
 - Registration, API keys, available services (recap from November)
 - We will go over services focusing on submitting paper manifests via services
 - Per the developer's listserv, we'll also discuss the hybrid workflow.
 - Schema Updates
- Today's API workshop
 - Your Questions
 - Updates to the Schema
 - Using the Services

YOUR QUESTIONS

- Submitting Manifests
 - One at a time
 - Future work
- Statuses
 - What they are
 - Draft
 - Pending
 - Scheduled
 - In-Transit
 - Ready For Signature
 - Signed
 - Signed-Complete

- Handler without IDs
 - Since manual entry of handlers is allowed, how will duplicate entries be detected
 - How will manual entries be loaded in as officially registered handlers
 - RCRAInfo site information is out of date, particularly site contact names and phone numbers.
 - How to update
- Data+Image vs Full Electronic
 - The scenario for prepopulation
- On Behalf of
- Site Manager
 - Hierarchy
 - Number of

e-Manifest

Waste

- Quantity (Integers Only)
- Waste Profiles
- Illinois and Texas
- DOT Information
 - Out of Date in Test
 - Proper Shipping Name
 - We are splitting PSN into PSN and comments one potential option is:
 - Not require PSN where there is one to one relationship between un id and PSN (95% cases)
 - Obtain PSN by provided un id number from the lookup and populate the dot PSN field
 - Still populate hazard class and packing group
 - Hazardous Materials Flag
 - Printed DOT Information
- New Data Elements Covered Later

- Corrections
 - Signed-Complete
 - In route vs after
- Services
 - The save and update manifest service requires a zipped PDF file for an image upload.
 - Datalmage I Copy
 - Delete
 - Pending

- Rail Manifests
- Notifications
- What Triggers manifest billing
- Milk Runs, Consolidated loads
- Signatures
 - Bulk Sign
- Brokers
 - EPA ID
 - Allowed IDs list
 - Pages

- Reports
 - Manifests Submitted for payment
 - Manifests outstanding
 - Tons moved
 - Searching on Label information
 - Stale Manifests

UPDATED JSON

- Rejection
- Discrepancy
- Residue
- Import
- Texas Waste Codes
- Proper Shipping Name and comments

NEXT STEPS

- Catching Front-end up to Services
- Broker screens
- Notifications
- Corrections
- In-Transit Changes
- Payments
- Continued user testing

FOR MORE INFORMATION

- Visit EPA's Manifest Program webpage at: <u>www.epa.gov/e-manifest</u>
- e-Manifest IT information: https://github.com/USEPA/e-manifest/
- Submit input/questions to <u>eManifest@epa.gov</u>
- Subscribe to the general interest e-Manifest ListServ; send a blank message to: <u>eManifest-subscribe@lists.epa.gov</u>
- Subscribe to the development-focused e-Manifest ListServ; send a blank email to: <u>e-ManifestDev-subscribe@lists.epa.gov</u>

e-MANIFEST API WEBINAR DAY SESSION I: TECHNICAL WORKSHOP ON e-MANIFEST API

MARCH 19, 2018 10:30 AM (EST)

AGENDA

- Introduction
- Previous API workshops
- New services
- System updates based on user testing
- Next steps
- Contacting EPA

WORKSHOPS

- In November we held two API technical workshops
 - We went over the registration, process workflows, API keys, JSON schema, sample client, and answered a lot of questions
 - Updated application based on user feedback
- In January we held an API workshop
 - Registration, API keys, available services (recap from November)
 - We will go over services focusing on submitting paper manifests via services
 - Per the developer's listserv, we'll also discuss the hybrid workflow.
 - Schema Updates
- Today's API workshop
 - Your Questions
 - Updates to the Schema
 - Using the Services

YOUR QUESTIONS

- Submitting Manifests
 - One at a time
 - Future work
- Statuses
 - What they are
 - Draft
 - Pending
 - Scheduled
 - In-Transit
 - Ready For Signature
 - Signed
 - Signed-Complete

- Handler without IDs
 - Since manual entry of handlers is allowed, how will duplicate entries be detected
 - How will manual entries be loaded in as officially registered handlers
 - RCRAInfo site information is out of date, particularly site contact names and phone numbers.
 - How to update
- Data+Image vs Full Electronic
 - The scenario for prepopulation
- On Behalf of
- Site Manager
 - Hierarchy
 - Number of

e-Manifest

Waste

- Quantity (Integers Only)
- Waste Profiles
- Illinois and Texas
- DOT Information
 - Out of Date in Test
 - Proper Shipping Name
 - We are splitting PSN into PSN and comments one potential option is:
 - Not require PSN where there is one to one relationship between un id and PSN (95% cases)
 - Obtain PSN by provided un id number from the lookup and populate the dot PSN field
 - Still populate hazard class and packing group
 - Hazardous Materials Flag
 - Printed DOT Information
- New Data Elements Covered Later

- Corrections
 - Signed-Complete
 - In route vs after
- Services
 - The save and update manifest service requires a zipped PDF file for an image upload.
 - Datalmage I Copy
 - Delete
 - Pending

- Rail Manifests
- Notifications
- What Triggers manifest billing
- Milk Runs, Consolidated loads
- Signatures
 - Bulk Sign
- Brokers
 - EPA ID
 - Allowed IDs list
 - Pages

- Reports
 - Manifests Submitted for payment
 - Manifests outstanding
 - Tons moved
 - Searching on Label information
 - Stale Manifests

UPDATED JSON

- Rejection
- Discrepancy
- Residue
- Import
- Texas Waste Codes
- Proper Shipping Name and comments

NEXT STEPS

- Catching Front-end up to Services
- Broker screens
- Notifications
- Corrections
- In-Transit Changes
- Payments
- Continued user testing

FOR MORE INFORMATION

- Visit EPA's Manifest Program webpage at: <u>www.epa.gov/e-manifest</u>
- e-Manifest IT information: https://github.com/USEPA/e-manifest/
- Submit input/questions to <u>eManifest@epa.gov</u>
- Subscribe to the general interest e-Manifest ListServ; send a blank message to: <u>eManifest-subscribe@lists.epa.gov</u>
- Subscribe to the development-focused e-Manifest ListServ; send a blank email to: <u>e-ManifestDev-subscribe@lists.epa.gov</u>

e-MANIFEST API WEBINAR DAY SESSION I: TECHNICAL WORKSHOP ON e-MANIFEST API

MARCH 19, 2018 10:30 AM (EST)

AGENDA

- Introduction
- Previous API workshops
- New services
- System updates based on user testing
- Next steps
- Contacting EPA

WORKSHOPS

- In November we held two API technical workshops
 - We went over the registration, process workflows, API keys, JSON schema, sample client, and answered a lot of questions
 - Updated application based on user feedback
- In January we held an API workshop
 - Registration, API keys, available services (recap from November)
 - We will go over services focusing on submitting paper manifests via services
 - Per the developer's listserv, we'll also discuss the hybrid workflow.
 - Schema Updates
- Today's API workshop
 - Your Questions
 - Updates to the Schema
 - Using the Services

YOUR QUESTIONS

- Submitting Manifests
 - One at a time
 - Future work
- Statuses
 - What they are
 - Draft
 - Pending
 - Scheduled
 - In-Transit
 - Ready For Signature
 - Signed
 - Signed-Complete

- Handler without IDs
 - Since manual entry of handlers is allowed, how will duplicate entries be detected
 - How will manual entries be loaded in as officially registered handlers
 - RCRAInfo site information is out of date, particularly site contact names and phone numbers.
 - How to update
- Data+Image vs Full Electronic
 - The scenario for prepopulation
- On Behalf of
- Site Manager
 - Hierarchy
 - Number of

e-Manifest

Waste

- Quantity (Integers Only)
- Waste Profiles
- Illinois and Texas
- DOT Information
 - Out of Date in Test
 - Proper Shipping Name
 - We are splitting PSN into PSN and comments one potential option is:
 - Not require PSN where there is one to one relationship between un id and PSN (95% cases)
 - Obtain PSN by provided un id number from the lookup and populate the dot PSN field
 - Still populate hazard class and packing group
 - Hazardous Materials Flag
 - Printed DOT Information
- New Data Elements Covered Later

- Corrections
 - Signed-Complete
 - In route vs after
- Services
 - The save and update manifest service requires a zipped PDF file for an image upload.
 - Datalmage I Copy
 - Delete
 - Pending

- Rail Manifests
- Notifications
- What Triggers manifest billing
- Milk Runs, Consolidated loads
- Signatures
 - Bulk Sign
- Brokers
 - EPA ID
 - Allowed IDs list
 - Pages

- Reports
 - Manifests Submitted for payment
 - Manifests outstanding
 - Tons moved
 - Searching on Label information
 - Stale Manifests

UPDATED JSON

- Rejection
- Discrepancy
- Residue
- Import
- Texas Waste Codes
- Proper Shipping Name and comments

NEXT STEPS

- Catching Front-end up to Services
- Broker screens
- Notifications
- Corrections
- In-Transit Changes
- Payments
- Continued user testing

FOR MORE INFORMATION

- Visit EPA's Manifest Program webpage at: <u>www.epa.gov/e-manifest</u>
- e-Manifest IT information: https://github.com/USEPA/e-manifest/
- Submit input/questions to <u>eManifest@epa.gov</u>
- Subscribe to the general interest e-Manifest ListServ; send a blank message to: <u>eManifest-subscribe@lists.epa.gov</u>
- Subscribe to the development-focused e-Manifest ListServ; send a blank email to: <u>e-ManifestDev-subscribe@lists.epa.gov</u>

e-MANIFEST API WEBINAR DAY SESSION I: TECHNICAL WORKSHOP ON e-MANIFEST API

MARCH 19, 2018 10:30 AM (EST)

AGENDA

- Introduction
- Previous API workshops
- New services
- System updates based on user testing
- Next steps
- Contacting EPA

WORKSHOPS

- In November we held two API technical workshops
 - We went over the registration, process workflows, API keys, JSON schema, sample client, and answered a lot of questions
 - Updated application based on user feedback
- In January we held an API workshop
 - Registration, API keys, available services (recap from November)
 - We will go over services focusing on submitting paper manifests via services
 - Per the developer's listserv, we'll also discuss the hybrid workflow.
 - Schema Updates
- Today's API workshop
 - Your Questions
 - Updates to the Schema
 - Using the Services

YOUR QUESTIONS

- Submitting Manifests
 - One at a time
 - Future work
- Statuses
 - What they are
 - Draft
 - Pending
 - Scheduled
 - In-Transit
 - Ready For Signature
 - Signed
 - Signed-Complete

- Handler without IDs
 - Since manual entry of handlers is allowed, how will duplicate entries be detected
 - How will manual entries be loaded in as officially registered handlers
 - RCRAInfo site information is out of date, particularly site contact names and phone numbers.
 - How to update
- Data+Image vs Full Electronic
 - The scenario for prepopulation
- On Behalf of
- Site Manager
 - Hierarchy
 - Number of

e-Manifest

Waste

- Quantity (Integers Only)
- Waste Profiles
- Illinois and Texas
- DOT Information
 - Out of Date in Test
 - Proper Shipping Name
 - We are splitting PSN into PSN and comments one potential option is:
 - Not require PSN where there is one to one relationship between un id and PSN (95% cases)
 - Obtain PSN by provided un id number from the lookup and populate the dot PSN field
 - Still populate hazard class and packing group
 - Hazardous Materials Flag
 - Printed DOT Information
- New Data Elements Covered Later

- Corrections
 - Signed-Complete
 - In route vs after
- Services
 - The save and update manifest service requires a zipped PDF file for an image upload.
 - Datalmage I Copy
 - Delete
 - Pending

- Rail Manifests
- Notifications
- What Triggers manifest billing
- Milk Runs, Consolidated loads
- Signatures
 - Bulk Sign
- Brokers
 - EPA ID
 - Allowed IDs list
 - Pages

- Reports
 - Manifests Submitted for payment
 - Manifests outstanding
 - Tons moved
 - Searching on Label information
 - Stale Manifests

UPDATED JSON

- Rejection
- Discrepancy
- Residue
- Import
- Texas Waste Codes
- Proper Shipping Name and comments

NEXT STEPS

- Catching Front-end up to Services
- Broker screens
- Notifications
- Corrections
- In-Transit Changes
- Payments
- Continued user testing

FOR MORE INFORMATION

- Visit EPA's Manifest Program webpage at: <u>www.epa.gov/e-manifest</u>
- e-Manifest IT information: https://github.com/USEPA/e-manifest/
- Submit input/questions to <u>eManifest@epa.gov</u>
- Subscribe to the general interest e-Manifest ListServ; send a blank message to: <u>eManifest-subscribe@lists.epa.gov</u>
- Subscribe to the development-focused e-Manifest ListServ; send a blank email to: <u>e-ManifestDev-subscribe@lists.epa.gov</u>

e-MANIFEST API WEBINAR DAY SESSION I: TECHNICAL WORKSHOP ON e-MANIFEST API

MARCH 19, 2018 10:30 AM (EST)

AGENDA

- Introduction
- Previous API workshops
- New services
- System updates based on user testing
- Next steps
- Contacting EPA

WORKSHOPS

- In November we held two API technical workshops
 - We went over the registration, process workflows, API keys, JSON schema, sample client, and answered a lot of questions
 - Updated application based on user feedback
- In January we held an API workshop
 - Registration, API keys, available services (recap from November)
 - We will go over services focusing on submitting paper manifests via services
 - Per the developer's listserv, we'll also discuss the hybrid workflow.
 - Schema Updates
- Today's API workshop
 - Your Questions
 - Updates to the Schema
 - Using the Services

YOUR QUESTIONS

- Submitting Manifests
 - One at a time
 - Future work
- Statuses
 - What they are
 - Draft
 - Pending
 - Scheduled
 - In-Transit
 - Ready For Signature
 - Signed
 - Signed-Complete

- Handler without IDs
 - Since manual entry of handlers is allowed, how will duplicate entries be detected
 - How will manual entries be loaded in as officially registered handlers
 - RCRAInfo site information is out of date, particularly site contact names and phone numbers.
 - How to update
- Data+Image vs Full Electronic
 - The scenario for prepopulation
- On Behalf of
- Site Manager
 - Hierarchy
 - Number of

e-Manifest

Waste

- Quantity (Integers Only)
- Waste Profiles
- Illinois and Texas
- DOT Information
 - Out of Date in Test
 - Proper Shipping Name
 - We are splitting PSN into PSN and comments one potential option is:
 - Not require PSN where there is one to one relationship between un id and PSN (95% cases)
 - Obtain PSN by provided un id number from the lookup and populate the dot PSN field
 - Still populate hazard class and packing group
 - Hazardous Materials Flag
 - Printed DOT Information
- New Data Elements Covered Later

- Corrections
 - Signed-Complete
 - In route vs after
- Services
 - The save and update manifest service requires a zipped PDF file for an image upload.
 - Datalmage I Copy
 - Delete
 - Pending

- Rail Manifests
- Notifications
- What Triggers manifest billing
- Milk Runs, Consolidated loads
- Signatures
 - Bulk Sign
- Brokers
 - EPA ID
 - Allowed IDs list
 - Pages

- Reports
 - Manifests Submitted for payment
 - Manifests outstanding
 - Tons moved
 - Searching on Label information
 - Stale Manifests

UPDATED JSON

- Rejection
- Discrepancy
- Residue
- Import
- Texas Waste Codes
- Proper Shipping Name and comments

NEXT STEPS

- Catching Front-end up to Services
- Broker screens
- Notifications
- Corrections
- In-Transit Changes
- Payments
- Continued user testing

FOR MORE INFORMATION

- Visit EPA's Manifest Program webpage at: <u>www.epa.gov/e-manifest</u>
- e-Manifest IT information: https://github.com/USEPA/e-manifest/
- Submit input/questions to <u>eManifest@epa.gov</u>
- Subscribe to the general interest e-Manifest ListServ; send a blank message to: <u>eManifest-subscribe@lists.epa.gov</u>
- Subscribe to the development-focused e-Manifest ListServ; send a blank email to: <u>e-ManifestDev-subscribe@lists.epa.gov</u>

e-MANIFEST API WEBINAR DAY SESSION I: TECHNICAL WORKSHOP ON e-MANIFEST API

MARCH 19, 2018 10:30 AM (EST)

AGENDA

- Introduction
- Previous API workshops
- New services
- System updates based on user testing
- Next steps
- Contacting EPA

WORKSHOPS

- In November we held two API technical workshops
 - We went over the registration, process workflows, API keys, JSON schema, sample client, and answered a lot of questions
 - Updated application based on user feedback
- In January we held an API workshop
 - Registration, API keys, available services (recap from November)
 - We will go over services focusing on submitting paper manifests via services
 - Per the developer's listserv, we'll also discuss the hybrid workflow.
 - Schema Updates
- Today's API workshop
 - Your Questions
 - Updates to the Schema
 - Using the Services

YOUR QUESTIONS

- Submitting Manifests
 - One at a time
 - Future work
- Statuses
 - What they are
 - Draft
 - Pending
 - Scheduled
 - In-Transit
 - Ready For Signature
 - Signed
 - Signed-Complete

- Handler without IDs
 - Since manual entry of handlers is allowed, how will duplicate entries be detected
 - How will manual entries be loaded in as officially registered handlers
 - RCRAInfo site information is out of date, particularly site contact names and phone numbers.
 - How to update
- Data+Image vs Full Electronic
 - The scenario for prepopulation
- On Behalf of
- Site Manager
 - Hierarchy
 - Number of

e-Manifest

Waste

- Quantity (Integers Only)
- Waste Profiles
- Illinois and Texas
- DOT Information
 - Out of Date in Test
 - Proper Shipping Name
 - We are splitting PSN into PSN and comments one potential option is:
 - Not require PSN where there is one to one relationship between un id and PSN (95% cases)
 - Obtain PSN by provided un id number from the lookup and populate the dot PSN field
 - Still populate hazard class and packing group
 - Hazardous Materials Flag
 - Printed DOT Information
- New Data Elements Covered Later

- Corrections
 - Signed-Complete
 - In route vs after
- Services
 - The save and update manifest service requires a zipped PDF file for an image upload.
 - Datalmage I Copy
 - Delete
 - Pending

- Rail Manifests
- Notifications
- What Triggers manifest billing
- Milk Runs, Consolidated loads
- Signatures
 - Bulk Sign
- Brokers
 - EPA ID
 - Allowed IDs list
 - Pages

- Reports
 - Manifests Submitted for payment
 - Manifests outstanding
 - Tons moved
 - Searching on Label information
 - Stale Manifests

UPDATED JSON

- Rejection
- Discrepancy
- Residue
- Import
- Texas Waste Codes
- Proper Shipping Name and comments

NEXT STEPS

- Catching Front-end up to Services
- Broker screens
- Notifications
- Corrections
- In-Transit Changes
- Payments
- Continued user testing

FOR MORE INFORMATION

- Visit EPA's Manifest Program webpage at: <u>www.epa.gov/e-manifest</u>
- e-Manifest IT information: https://github.com/USEPA/e-manifest/
- Submit input/questions to <u>eManifest@epa.gov</u>
- Subscribe to the general interest e-Manifest ListServ; send a blank message to: <u>eManifest-subscribe@lists.epa.gov</u>
- Subscribe to the development-focused e-Manifest ListServ; send a blank email to: <u>e-ManifestDev-subscribe@lists.epa.gov</u>

e-MANIFEST API WEBINAR DAY SESSION I: TECHNICAL WORKSHOP ON e-MANIFEST API

MARCH 19, 2018 10:30 AM (EST)

AGENDA

- Introduction
- Previous API workshops
- New services
- System updates based on user testing
- Next steps
- Contacting EPA

WORKSHOPS

- In November we held two API technical workshops
 - We went over the registration, process workflows, API keys, JSON schema, sample client, and answered a lot of questions
 - Updated application based on user feedback
- In January we held an API workshop
 - Registration, API keys, available services (recap from November)
 - We will go over services focusing on submitting paper manifests via services
 - Per the developer's listserv, we'll also discuss the hybrid workflow.
 - Schema Updates
- Today's API workshop
 - Your Questions
 - Updates to the Schema
 - Using the Services

YOUR QUESTIONS

- Submitting Manifests
 - One at a time
 - Future work
- Statuses
 - What they are
 - Draft
 - Pending
 - Scheduled
 - In-Transit
 - Ready For Signature
 - Signed
 - Signed-Complete

- Handler without IDs
 - Since manual entry of handlers is allowed, how will duplicate entries be detected
 - How will manual entries be loaded in as officially registered handlers
 - RCRAInfo site information is out of date, particularly site contact names and phone numbers.
 - How to update
- Data+Image vs Full Electronic
 - The scenario for prepopulation
- On Behalf of
- Site Manager
 - Hierarchy
 - Number of

e-Manifest

Waste

- Quantity (Integers Only)
- Waste Profiles
- Illinois and Texas
- DOT Information
 - Out of Date in Test
 - Proper Shipping Name
 - We are splitting PSN into PSN and comments one potential option is:
 - Not require PSN where there is one to one relationship between un id and PSN (95% cases)
 - Obtain PSN by provided un id number from the lookup and populate the dot PSN field
 - Still populate hazard class and packing group
 - Hazardous Materials Flag
 - Printed DOT Information
- New Data Elements Covered Later

- Corrections
 - Signed-Complete
 - In route vs after
- Services
 - The save and update manifest service requires a zipped PDF file for an image upload.
 - Datalmage I Copy
 - Delete
 - Pending

- Rail Manifests
- Notifications
- What Triggers manifest billing
- Milk Runs, Consolidated loads
- Signatures
 - Bulk Sign
- Brokers
 - EPA ID
 - Allowed IDs list
 - Pages

- Reports
 - Manifests Submitted for payment
 - Manifests outstanding
 - Tons moved
 - Searching on Label information
 - Stale Manifests

UPDATED JSON

- Rejection
- Discrepancy
- Residue
- Import
- Texas Waste Codes
- Proper Shipping Name and comments

NEXT STEPS

- Catching Front-end up to Services
- Broker screens
- Notifications
- Corrections
- In-Transit Changes
- Payments
- Continued user testing

FOR MORE INFORMATION

- Visit EPA's Manifest Program webpage at: <u>www.epa.gov/e-manifest</u>
- e-Manifest IT information: https://github.com/USEPA/e-manifest/
- Submit input/questions to <u>eManifest@epa.gov</u>
- Subscribe to the general interest e-Manifest ListServ; send a blank message to: <u>eManifest-subscribe@lists.epa.gov</u>
- Subscribe to the development-focused e-Manifest ListServ; send a blank email to: <u>e-ManifestDev-subscribe@lists.epa.gov</u>

e-MANIFEST API WEBINAR DAY SESSION I: TECHNICAL WORKSHOP ON e-MANIFEST API

MARCH 19, 2018 10:30 AM (EST)

AGENDA

- Introduction
- Previous API workshops
- New services
- System updates based on user testing
- Next steps
- Contacting EPA

WORKSHOPS

- In November we held two API technical workshops
 - We went over the registration, process workflows, API keys, JSON schema, sample client, and answered a lot of questions
 - Updated application based on user feedback
- In January we held an API workshop
 - Registration, API keys, available services (recap from November)
 - We will go over services focusing on submitting paper manifests via services
 - Per the developer's listserv, we'll also discuss the hybrid workflow.
 - Schema Updates
- Today's API workshop
 - Your Questions
 - Updates to the Schema
 - Using the Services

YOUR QUESTIONS

- Submitting Manifests
 - One at a time
 - Future work
- Statuses
 - What they are
 - Draft
 - Pending
 - Scheduled
 - In-Transit
 - Ready For Signature
 - Signed
 - Signed-Complete

- Handler without IDs
 - Since manual entry of handlers is allowed, how will duplicate entries be detected
 - How will manual entries be loaded in as officially registered handlers
 - RCRAInfo site information is out of date, particularly site contact names and phone numbers.
 - How to update
- Data+Image vs Full Electronic
 - The scenario for prepopulation
- On Behalf of
- Site Manager
 - Hierarchy
 - Number of

e-Manifest

Waste

- Quantity (Integers Only)
- Waste Profiles
- Illinois and Texas
- DOT Information
 - Out of Date in Test
 - Proper Shipping Name
 - We are splitting PSN into PSN and comments one potential option is:
 - Not require PSN where there is one to one relationship between un id and PSN (95% cases)
 - Obtain PSN by provided un id number from the lookup and populate the dot PSN field
 - Still populate hazard class and packing group
 - Hazardous Materials Flag
 - Printed DOT Information
- New Data Elements Covered Later

- Corrections
 - Signed-Complete
 - In route vs after
- Services
 - The save and update manifest service requires a zipped PDF file for an image upload.
 - Datalmage I Copy
 - Delete
 - Pending

- Rail Manifests
- Notifications
- What Triggers manifest billing
- Milk Runs, Consolidated loads
- Signatures
 - Bulk Sign
- Brokers
 - EPA ID
 - Allowed IDs list
 - Pages

- Reports
 - Manifests Submitted for payment
 - Manifests outstanding
 - Tons moved
 - Searching on Label information
 - Stale Manifests

UPDATED JSON

- Rejection
- Discrepancy
- Residue
- Import
- Texas Waste Codes
- Proper Shipping Name and comments

NEXT STEPS

- Catching Front-end up to Services
- Broker screens
- Notifications
- Corrections
- In-Transit Changes
- Payments
- Continued user testing

FOR MORE INFORMATION

- Visit EPA's Manifest Program webpage at: <u>www.epa.gov/e-manifest</u>
- e-Manifest IT information: https://github.com/USEPA/e-manifest/
- Submit input/questions to <u>eManifest@epa.gov</u>
- Subscribe to the general interest e-Manifest ListServ; send a blank message to: <u>eManifest-subscribe@lists.epa.gov</u>
- Subscribe to the development-focused e-Manifest ListServ; send a blank email to: <u>e-ManifestDev-subscribe@lists.epa.gov</u>