



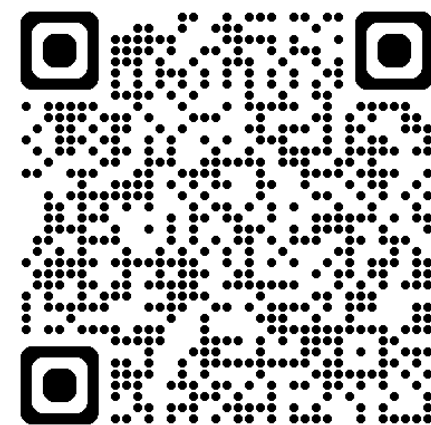
# Recycling and Disposal Reporting System (RDRS) Webinar

Part 1: Updates to the RDRS Regulations

Part 2: Existing Reporting Topics

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# **Agenda**

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**Updates to the RDRS Regulations**

**Other Reporting Topics**

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Eric Payne, Senior Environmental Scientist, Policy Office, CalRecycle

# Questions

- Question & Answer (Q&A) session after each section
- Send additional questions to [RDRS@calrecycle.ca.gov](mailto:RDRS@calrecycle.ca.gov)

# Updates to the RDRS Regulations

# Updates to the RDRS Regulations – Outline

- Background
- Purpose of Webinar
- Overview of Regulatory Changes
- Updates by Activity Type
- Omitted Topics
- Q&A Session

# Background

- RDRS: CalRecycle's online data system in which businesses, facilities, and operations with a reporting obligation submit required information
- CalRecycle implemented a rulemaking in 2023 to update the RDRS regulations: Title 14, California Code of Regulations (CCR), Sections 18815.1 – 18815.13
- Updates were approved January 23, 2024
- Effective April 1, 2024
  - But note: Not all changes start 2024 Q2

# Purpose

- Overview larger changes to the RDRS regulations and potential updates to the RDRS user interface (UI)
- This section will **not** explain how to report in RDRS
  - Please visit the following website for trainings and recordings of previous workshops:
  - <https://calrecycle.ca.gov/SWFacilities/RDReporting/training/>



# Overview of Regulatory Changes

- Status Changes
- Solid Waste Information System (SWIS) Information
- Collection Method
- Mixed Plastic Waste Export
- Material Type
- Broker/Transporter Outflow Received Out of State

# Status Changes & SWIS Information

# Status Changes

- Entities may become inactive or exempt from RDRS reporting
- 18815.3(g) and (h) explain process to request inactivity or exemption
- Updates to regulations (effective **2024 Q2**) explain that (for all entities):
  - Requests cannot be backdated before the date of the request  
→ submit requests when an entity's status changes!
  - Requests will not be approved if any required quarterly reports are missing

# SWIS Information

- SWIS Number and SWIS Activity Type required as of the end of 2025 Q1
- If your reporting entity does not have a SWIS number, then no action required
- If your reporting entity does have a SWIS number, then you must enter your SWIS Number and Activity Type by **March 31, 2025 (end of 2025 Q1)**

# Collection Method

- ✓ Status Changes
- ✓ Solid Waste Information System (SWIS) Information
  - Collection Method
  - Mixed Plastic Waste Export
  - Material Type
  - Broker/Transporter Outflow Received Out of State

# Collection Method – What?

- Refers to source of material in terms of source sector, segregation extent, and stream
  - Ex: contract-hauled commercial mixed solid waste
- Components of collection method defined in Title 14, CCR, 18815.2(a)(10.5)
- Definition does not list all possible options, but instead the constituent components of collection method

# Collection Method Options

- CalRecycle still developing potential collection method options
- Examples
  - Contract-Hauled Commercial Single-Bin (Commingled) Recycling
  - Contract-Hauled Residential Mixed Inorganic Solid Waste
  - Self-Hauled Mixed CDI
- Will provide additional information on specific collection method options at later date

# Gather Collection Method – Why?

- Senate Bill (SB) 343 (Allen, Chapter 507, Statutes of 2021)
- Public Resources Code (PRC) 42355.51(d)(1)(A)(i)(I)
  - “in order to provide information ... for evaluating whether a product or packaging is recyclable ... and are of material types and forms that routinely become feedstock ...”
  - Department shall gather in RDRS: “How the material collected or processed by the operations and facilities was collected”



# Collection Method – In RDRS

- Starting **2025 Q1**, report collection method for material not destined for disposal or landfill beneficial reuse

- Will select one or more methods

Methods used to determine collection method:

- ☐ Billing records for customers
- ☐ Contract Agreements
- ☐ Further options delineated in 18815.9(I)

- Will enter tons for relevant collection methods

Collection Method	Tons
Option 1	1,000.05
Option 2	50.67
Etc.	##.##

# Mixed Plastic Waste Export

- ✓ Status Changes
- ✓ Solid Waste Information System (SWIS) Information
- ✓ Collection Method
  - Mixed Plastic Waste Export
  - Material Type
  - Broker/Transporter Outflow Received Out of State

# Mixed Plastic Waste – What?

- Mixed plastic waste (MPW) is a mixture of plastic
- Mixtures that are not MPW (CCR 18815.2(a)(38.5) and PRC 41821.5):
  - Mixture of solid waste
  - Mixture of green material sent to landfill beneficial reuse
  - Plastic #1, #2, or #5, or a mixture of those three resin types
    - Ex: #1, #2, #5, #1/#2, #1/#5, #2/#5, #1/#2/#5 mixtures are all **not** MPW, but only if each material destined for separate recycling and export follows laws of destination country
    - Ex: #1/**#3**, #2/**#4**, **#3**/#5, **#4**, **#7**, **#1/#7** mixtures **ARE** MPW

# Mixed Plastic Waste *Export* – What?

- Export means sent out of the country (PRC 41781.4)
- Except, export *excludes*
  - Canada and Mexico until relevant trade agreement ([USMCA](#)) expires, currently July 2026 (PRC 41781.4)
  - Tribal lands in the USA (CCR 18815.2(a)(25.5))

# Mixed Plastic Waste Export – Why?

- Assembly Bill (AB) 881 (Gonzalez, Chapter 501, Statutes of 2021)
  - Classifies mixed plastic waste export as disposal (PRC 41781.4)
  - Requires RDRS reports to include jurisdiction of origin for such materials (41821.5(b)(4))

# Mixed Plastic Waste Export – Outflows in RDRS


- Starting **2025 Q1**, outflows of mixed plastic waste export will be reported similarly to end use
- Select a destination country
- Select a material type
- Enter tons

Country *	Belize
Material	
<a href="#">Material List</a>	
Material Type * ?	Plastic - #3-7 - Non-bottle Rigid
Tons Sent *	100

# Mixed Plastic Waste Export – Origins in RDRS

- For total mixed plastic waste export, enter jurisdictions of origin
- Origins will not be entered separately for each material type or destination country

+ Add Jurisdiction

 Export to Excel

Jurisdiction of Origin	State	Country	Tribal Land	Tons Sent	Percentage Sent	
<div>Adelanto ▼</div>	<div>California ▼</div>	<div>United States ▼</div>	<div>▼</div>	<div>5000</div>	<div></div>	<div>Save</div> <div>Cancel</div>

# Material Type

- ✓ Status Changes
- ✓ Solid Waste Information System (SWIS) Information
- ✓ Collection Method
- ✓ Mixed Plastic Waste Export
- Material Type
- Broker/Transporter Outflow Received Out of State



# Material Type – Heterogeneous Mixtures

- Certain material flows in RDRS (e.g., recycling/composing outflows) require material type information
- *For such streams*, starting **2025 Q1**, “if a reporting entity reports material that is not homogenous or not an individual grade of material type, then the reporting entity shall identify the specific materials within that mixture” – 18815.9(a)(2)(D)
  - Identification will not require tons
  - Entities can certify that they do not have information on specific materials

# Material Types – Selecting Specific Materials

- If user chooses a heterogeneous material, then user must provide the constituent materials or certify that such materials are unknown
- This applies to all activity types

Material

[Material List](#)

Material Type \* ?

Mixed - Mixed Recyclables - Mixed Recyclables

Tons Sent \*

120

☐ I do not sort or otherwise have access to the constituent materials within this mixture.

Constituent Material
PET Bottles
HDPE Bottles
LDPE Bags
Aluminum Cans
Steel Ingots

# Broker/Transporter Outflow

- ✓ Status Changes
- ✓ Solid Waste Information System (SWIS) Information
- ✓ Collection Method
- ✓ Mixed Plastic Waste Export
- ✓ Material Type
- Broker/Transporter Outflow Received Out of State

# Broker/Transporter Outflow – Region

- Starting **2024 Q2**, material sent to a broker/transporter (B/T) who received the material out of CA will be reported by region (state, country, tribal land)
- Receiving location is not the physical address of B/T, but where B/T takes control or acquires authority over material – 18815.2(a)(7) and (62)

**Destination Information** ?

Receiving Facility Location \* ?

☐ In CA ☒ Out of State ☐ Out of Country ☐ Tribal Land

State \*

Alabama ▼

# Updates by Activity Type

- Self Hauler
- Contract Hauler
- Transfer/Processor (T/P)
- Disposal (Landfill, Transformation, Engineered Municipal Solid Waste [EMSW] Conversion)
- Recycler/Composter (R/C)
- Broker/Transporter (B/T)

# Data Requirement Types & Timeline

- Types
  - Provide to destination reporting entities
  - Report within RDRS
- Timeline
  - New obligations start either 2024 Q2 or 2025 Q1
  - Remember that RDRS reports are due in 1 to 3 months after end of quarter, depending on activity type
  - But required data collection needs to begin in relevant quarter

# Section – Self Hauler

# Self Hauler Requirements – 2024 Q2

- Provide to destination reporting entities:
  - Jurisdictions of origin and collection method *all material* sent, not just solid waste
- Report in RDRS:
  - No change to reporting within RDRS (only *food waste* self haulers report)



# Contract Hauler Requirements – 2024 Q2

- Provide to destination reporting entities:
  - Jurisdictions of origin and collection method for *all material sent, not just solid waste*
- Report in RDRS:
  - Broker/Transporter outflows received out of CA, by region

# Contract Hauler Requirements – 2025 Q1

- Report in RDRS:
  - Collection method for material *sent out of state* for purposes *other than disposal or landfill beneficial reuse*
  - Mixed plastic waste export
  - Material types in heterogenous mixtures, if stream requires material

# Section – Transfer/Processor

- ✓ Self Hauler
- ✓ Contract Hauler
- Transfer/Processor (T/P)
- Disposal (Landfill, Transformation, Engineered Municipal Solid Waste [EMSW] Conversion)
- Recycler/Composter (R/C)
- Broker/Transporter (B/T)

# Transfer/Processor Requirements – 2024 Q2

- Provide to destination reporting entities:
  - Jurisdiction of origin for recycling/composting and certain other material streams (see 18815.5(h)(1) and (2)), *if requested by the recipient*
- Report in RDRS:
  - Broker/Transporter outflows by *region* if *received out of CA*

# Transfer/Processor Requirements – 2024 Q2 (2)

- Report in RDRS
  - Jurisdictions of origin for residuals
    - Regulations previously required “host assignment” of residuals to location of facility, but this no longer required
    - If T/P tracks the jurisdictions of origin specifically for residuals, then report those origins
    - If T/P tracks jurisdictions for overall inflows, then assign residuals origins based on overall inflow origins

# Transfer/Processor Requirements – 2025 Q1

- Provide to destination reporting entities:
  - Jurisdictions of origin for mixed plastic waste sent
- Report in RDRS:
  - Collection method for material *accepted* for processing for purposes *other than disposal or landfill beneficial reuse*
  - Mixed plastic waste export
  - Material types in heterogenous mixtures, if stream requires material

# Section – Disposal

- ✓ Self Hauler
- ✓ Contract Hauler
- ✓ Transfer/Processor (T/P)
  - Disposal (Landfill, Transformation, Engineered Municipal Solid Waste [EMSW] Conversion)
  - Recycler/Composter (R/C)
  - Broker/Transporter (B/T)

# Disposal Requirements – 2024 Q2

- Provide to destination reporting entities:
  - Jurisdictions of origin for recycling/composting and certain other material streams (see 18815.6(g)(1) and (2)), *if requested by the recipient*
- Report in RDRS:
  - Broker/Transporter outflows by *region* if *received out of CA*



# Disposal Requirements – 2024 Q2 (2)

- Report in RDRS
  - Jurisdiction of origin for residuals
    - Regulations previously required “host assignment” of residuals to location of facility, but this no longer required
    - If disposal facility tracks the jurisdictions of origin specifically for residuals, then report those origins
    - If disposal facility tracks jurisdictions for overall inflows, then assign residuals origins based on overall inflow origins

# Disposal Requirements – 2025 Q1

- Provide to destination reporting entities:
  - Jurisdictions of origin for mixed plastic waste sent
- Report in RDRS:
  - Collection method for material *accepted* for purposes *other than disposal or landfill beneficial reuse*
  - Mixed plastic waste export
  - Material types in heterogenous mixtures, if stream requires material

# Section – Recycler/Composter

- ✓ Self Hauler
- ✓ Contract Hauler
- ✓ Transfer/Processor (T/P)
- ✓ Disposal (Landfill, Transformation, Engineered Municipal Solid Waste [EMSW] Conversion)
- Recycler/Composter (R/C)
- Broker/Transporter (B/T)

# Recycler/Composter Requirements – 2024 Q2

- Provide to destination reporting entities:
  - Jurisdictions of origin for recycling/composting and certain other material streams (see 18815.7(g)(1)), *if the sending recycler/composter elects to do so*
- Report in RDRS:
  - Broker/Transporter outflows by *region* if *received out of CA*

# Recycler/Composter Requirements – 2025 Q1

- Provide to destination reporting entities:
  - Jurisdictions of origin for mixed plastic waste sent
- Report in RDRS:
  - Collection method for material *accepted* for recycling or composting
  - Mixed plastic waste export
  - Material types in heterogenous mixtures, if stream requires material

# Section – Broker/Transporter

- ✓ Self Hauler
- ✓ Contract Hauler
- ✓ Transfer/Processor (T/P)
- ✓ Disposal (Landfill, Transformation, Engineered Municipal Solid Waste [EMSW] Conversion)
- ✓ Recycler/Composter (R/C)
- Broker/Transporter (B/T)

# Broker/Transporter Requirements – 2024 Q2

- Provide to destination reporting entities:
  - Jurisdictions of origin for recycling/composting and certain other material streams (see 18815.8(d)(1)), *if the sending broker/transporter elects to do so*
- Report in RDRS:
  - Broker/Transporter outflows by *region* if *received out of CA*

# Broker/Transporter Requirements – 2025 Q1

- Provide to destination reporting entities:
  - Jurisdictions of origin for mixed plastic waste sent
- Report in RDRS:
  - Collection method for material *sent* for purposes *other than disposal or landfill beneficial reuse*
  - Mixed plastic waste export
  - Material types in heterogeneous mixtures, if stream requires material

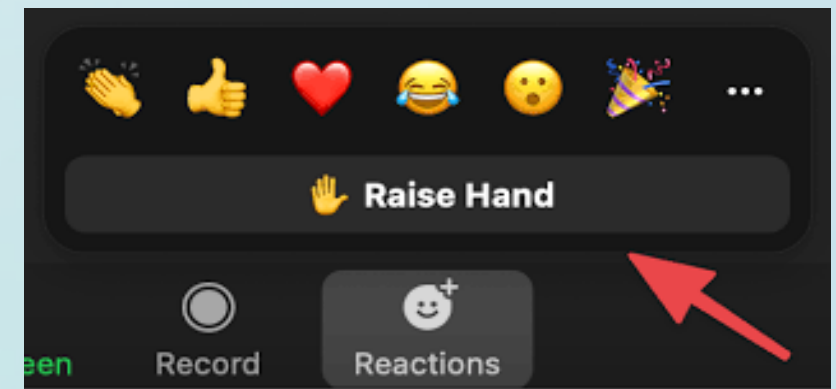


# Some Omitted Topics

- Special direct haul reporting scenario for T/Ps – 18815.5(a)(1)(A)
- When disposal facilities report as a transfer/processor – 18815.6(b)(3)
- Some details for determining origins – 18815.9(b)
- Quarter that entities must begin reporting when status changes – 18815.3(f)
- Approval of alternative methods – 18815.9(m)
- End use includes reuse – 18815.2(a)(24)
- Reporting error resolution process – 18815.3(n), (p), and (q)
- Determining material stream for inflows – 18815.9(k)
- Method Department will use to calculate organics recovery efficiency – 18815.5(e) and (f)
- Recycling can be released publicly if aggregated by jurisdiction – 18815.12(g)

# Q&A Session – Part 1

- Questions should focus on the topics discussed during this webinar
- If watching via CalEPA Broadcast, email your questions to [RDRS@calrecycle.ca.gov](mailto:RDRS@calrecycle.ca.gov) with subject "RDRS Public Meeting 5/23 Question"
- If using Zoom, either type your question into the "Chat" (preferred) or use the "Raise Hand" feature (you will be unmuted)



# Existing Reporting Topics

# Existing Reporting Topics – Outline

- Reporting recyclables mixed with solid waste
- Landfill beneficial reuse and recyclables
- SB 1383 and gray container reporting

# Reporting Materials Mixed with Solid Waste

- Loads that are 10 percent or more “solid waste”<sup>\*</sup> by weight shall be tracked and reported in RDRS as solid waste<sup>†</sup>
- Example scenario with tips to ensure compliance available within [RDRS Bulletin 2024-01](#)
  - Can also be found on the [Training](#) page (see the item, "How to report materials mixed with solid waste")

<sup>\*</sup> as defined in 14 CCR § 18815.2(a)(57))

<sup>†</sup> Title 14 CCR Sections 17402.5(c), 18815.9(a)(0.4), 18815.9(a)(0.5), 18815.9(k)(2), & 18815.9(k)(4)

# Beneficial Reuse & Recyclables

- “Beneficial Reuse” refers to when **landfills** use material for:
  - Alternative Daily Cover (ADC)
  - Alternative Intermediate Cover (AIC)
  - Construction
  - Landscaping and Erosion Control
- If you send material to a T/P or landfill for beneficial reuse, means that you expect material will be used for one of above four uses
- If material will be recycled or composted, do not use the green or non-green “beneficial reuse” streams

# Gray Container

- “Gray container collection stream”
  - Solid waste collected in a gray container, where →
    - The gray container is part of a three-container organic waste collection service, which →
      - prohibits the placement of organic waste in the gray container as specified in Title 14 CCR Section 18984.1(a) and (b)

# Gray Container Evaluations – Who and What

- Who: Beginning July 1, 2022, transfer/processors that →
  - Receive a gray container collection stream and
  - More than 500 tons of solid waste from at least one jurisdiction annually
- What: Beginning July 1, 2022 →
  - Measure remnant organic waste in the gray container collection stream by performing the measurement protocol described in Title 14 CCR Section 17409.5.7



# Gray Container Evaluations – Importance

- Gray container evaluations will help assess:
  - Extent of contamination in the gray container collection waste stream
  - How effectively organic waste is being recovered
- Gray container evaluations may also help gauge the accuracy of the jurisdiction's waste composition studies and container contamination minimization results under Title 14, CCR, Chapter 12
  - → Assess how well jurisdictions and facilities are meeting relevant standards

# Gray Container vs Mixed Organic Waste Evaluations

- Gray Container evaluations performed on solid waste container that is not allowed to contain organics
- If “gray container” allowed to contain organics, then that container is a “mixed organic waste collection stream” container
  - Requires different set of evaluations

# Gray Container Evaluations – How

- Measure organic waste in the incoming gray container collection stream received prior to processing
- Perform one gray container waste evaluation per quarter, for each of the four quarterly reporting periods per calendar year

# Gray Container Evaluations, Step 1

## Step 1: Collect and Weigh Composite Sample

- Take one sample of at least 200 pounds from the incoming gray container collection stream received by the facility. The sample shall be:
  - Representative of a typical operating day; and
  - A random, composite sample taken from various times during the operating day
- Record the weight of the sample

# Gray Container Evaluations, Step 2

## **Step 2: Remove and Weigh Remnant Organic Material**

- Remove and weigh remnant organic material from the sample
- Remnant organic material is any organic waste that is collected in a gray container
- Record the weight of remnant organic material

# Gray Container Evaluations, Step 3

## Step 3: Calculate Percent of Remnant Organic Material in Sample

- Use the weights recorded in steps 1 and 2 to calculate the percentage of remnant organic material in the gray container sample:

$$\begin{array}{ccccccc} \text{Weight of Remnant} & \div & \text{Full Weight of} & * 100 = & \text{Percent Remnant} \\ \text{Organic Material in} & & \text{Sample (Step 1)} & & \text{Organic Material} \\ \text{Sample (Step 2)} & & & & \end{array}$$

# Gray Container Evaluations, Step 4

**Step 4:** Record the calculated percentage in RDRS

Disposal Origins

Green Material Origins

Source Sectors

Organics Measurement

Documents

Review & Submit

Gray Container Collection Stream(s)

Does your reporting entity receive more than 500 tons of material from the gray container collection stream from at least one jurisdiction annually? \*

Yes

Complete the following question as part of your SB 1383 reporting requirements:

Report the percentage of remnant organic waste in the gray container waste evaluation sample performed by your reporting entity this quarter:

Percentage\*

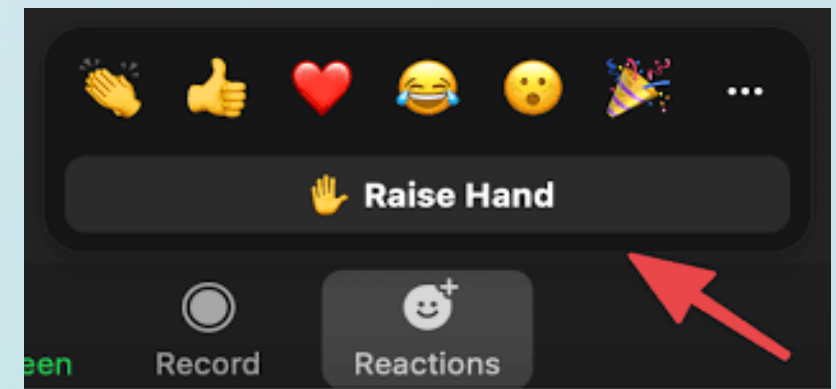
Did this facility use an Alternative Measurement Protocol to implement the evaluation?

☐ Yes

☐ No

# Q&A Session – Part 2

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**Thank you!**

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[calrecycle.ca.gov/swfacilities/rdreporting/](http://calrecycle.ca.gov/swfacilities/rdreporting/)

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[RDRS@CalRecycle.ca.gov](mailto:RDRS@CalRecycle.ca.gov)