CALIFORNIA
AIR RESOURCES BOARD

Refrigerant Management Program

Updates to the Refrigerant Registration and Reporting Tool (R3)

Agenda

- Overview: Refrigerant Management Program (RMP)
- Overview: Changes to Refrigerant Registration and Reporting (R3) System
- Final Notes
- Questions

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Commonly Used Terminology

High-GWP Refrigerant – Those refrigerants with a global warming potential greater than or equal to 150.

Full Charge Size – Full refrigerant capacity of a refrigeration system.

Refrigeration systems
- System size
  - Small – more than 50 lbs., but less than 200 lbs.
  - Medium – 200 lbs. or more, but less than 2,000 lbs.
  - Large – 2,000 lbs. or more

Facility size
- Based on single largest refrigeration system on site (small, medium, or large)

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Commonly Used Terminology

Change in Refrigeration Status – When a characteristic of the refrigeration system changes.
- Full charge amount, refrigerant type, equipment type, or operational status.

Service Record – A servicing event on a refrigeration system.
- Leak inspection, leak repair, seasonal adjustment, etc.

R3 – Website used for reporting under the Refrigerant Management Program

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Overview of Regulation

Refrigerant Management Program (RMP)

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RMP Regulation Overview

- In effect since January 1, 2011
- Focuses on leak inspection & repair
- Owners and/or operators of facilities with a stationary refrigeration system that uses more than 50-pounds of a high-GWP refrigerant.
  - Excluding comfort cooling
- Any person who installs, services, or repairs a refrigeration or A/C system using a high-GWP refrigerant.
- Any distributor, wholesaler, or reclaimer who sells or reclaims high-GWP refrigerant.

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Key Requirements

- Facilities with refrigeration systems
  - Repair leaks within 14 days of detection
  - Keep records of service and refrigerant transactions
  - Contractors and Technicians must follow required service practices
  - Conduct periodic leak inspections
  - File annual report and pay fee (medium and large facilities)
- Distributors, Wholesalers, Reclaimers
  - Keep records of refrigerant transactions
  - File annual report

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Overview of Updates

Refrigerant Registration and Reporting System (R3) Reporting Tool

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Overview of Updates

1. Changes to the Front Page
2. Adding Multiple Leak Inspections
3. Changes to the Batch Upload Process
4. Other Minor Changes
5. New reporting page for companies with retail food facilities[1]

[1]*Subject to requirements under New 2020 HFC Regulation, currently pending Office of Administrative Law approval*

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Homepage

Homepage

Facility Compliance Checklist

Facility Compliance Checklist

Multiple Leak Inspections

Multiple Leak Inspections

Multiple Leak Inspections

Multiple Leak Inspections

Multiple Leak Inspections

Filing Annual Report

Filing Annual Report

Annual Report Information and Documentation

☐ Service Record data is not available in violation of C.C.R. §95388(b)(2) – Incomplete servicing records in Tab 4
☐ ALD Servicing data is not available in violation of C.C.R. §95388(b)(2) – Incomplete servicing records in Tab 3

**Refrigerant Purchase and Use Information must be filled in using 2 decimal values, for example, 1500.00. No blanks accepted, use 0.00.

Refrigerant Purchase and Use Information ❓

Type	Total Purchased (lbs.)*	Total Charged (lbs.)* – New refrigerant added to refrigeration systems	Total Recovered (lbs.)* – Removed and not returned to refrigeration systems	Total Stored (lbs.)* In inventory,not in refrigeration systems	Total Shipped (lbs.) for Reclamation or Destruction*	Reason	Delete

For registered refrigeration systems complete the data fields below, if none enter 0 ❓   ☐ Set all empty cells to "0"

R-22 - HCFC-22 [＿＿] [＿＿] [＿＿] [＿＿] [＿＿]

For other refrigerant uses, click "Add Other Refrigerant" and complete the data fields. ❓

[Add Other Refrigerant]

Comment :
[   ]

[<< Back] [Save] [Continue] [Cancel]

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Filing Annual Report

Annual Report Information and Documentation

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R-22 - HCFC-22 ☐ ☐ ☐ ☐ ☐

For other refrigerant uses, click "Add Other Refrigerant" and complete the data fields. ❓

[Add Other Refrigerant]

Comment :

[<< Back] [Save] [Continue] [Cancel]

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Batch Upload

Batch Uploads

Batch Uploads

Batch Uploads

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Homepage

Proposed Weighted Average GWP and GHGp Reporting Requirements

- Applies to Retail Food Companies:
  - With a refrigeration system with more than 50 pounds of a high GWP refrigerant
  - "Retail food facility includes supermarkets, grocery stores, and any other food merchandising stores."
- This is determined in R3 by NAICS Code.
- By March 1, 2022, and each year thereafter, all Retail Food Companies must report their weighted average GWP and GHGp
- More detailed information can be found here:
  https://ww2.arb.ca.gov/sites/default/files/barcu/regact/2020/hfc2020/fro.pdf

*Pending final approval from Office of Administrative Law.

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Compliance Schedule

Company Size	Compliance Requirement	Date
Companies owning or operating 20 or more retail food facilities in California, and national supermarket chains operating in California.	Attain a company-wide weighted-average GWP of less than 2,500 or a 25% or greater reduction in GHGp below 2019 levels by December 31, 2026	December 31, 2026
	Attain a company-wide weighted-average GWP of less than 1,400 or a 55% or greater reduction in GHGp below 2019 levels	January 1, 2030
Companies owning or operating fewer than 20 retail food facilities in California	Attain a company-wide weighted-average GWP of less than 1,400 or a 55% or greater reduction in GHGp below 2019 levels	January 1, 2030

*Pending final approval from Office of Administrative Law.

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Homepage

Weighted Average GWP and GHGp Report

Weighted Average GWP and GHGp Report

Weighted Average GWP and GHGp Report

File Report

Annual Reporting of Greenhouse Gas Potential (GHGp) and Weighted-Average Global Warming Potential (GWP) for Companies with Retail Food Facilities

On or before March 1, 2022, and each year thereafter by March 1, all companies with a retail food facility shall report their Greenhouse Gas Potential (GHGp) and weighted-average Global Warming Potential (GWP) into the R3 database for the prior calendar year. "Company" means all businesses, affiliates, brands, or subsidiaries or franchises, owned or operated by the same parent company. Each parent company shall report their weighted average GWP and GHGp under one single profile in R3, that profile shall include all of their facilities.

Please enter your company's GHGp and weighted-average GWP below. Please note that compliance will be determined on a company-wide level taking into account all retail food facilities under each company. In order for CARB to accurately determine the compliance status of each company, it is essential that all facilities are reported under only one parent company in R3 and that there is only one weighted-average GWP value and one GHGp value for each parent company. For more information on how to calculate the weighted-average GWP and GHGp, formulas, and examples, please click here. For the full regulation text please click here.

2021 Weighted-Average GWP	2021 GHGp (metric tons of CO2e)	2019 Baseline GHGp	
0	0	705,960 (LBsCO2e)	320 (MTCO2e)

List of Systems and Calculations

*Please contact CARB staff if you have a question regarding the calculated 2019 Baseline GHGp.

Based on data reported in R3, below is your registered company and the number of facilities under that company. If the information is correct, please check the box below. If the information is incorrect, please contact CARB staff at HFCReduction@arb.ca.gov.

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Weighted Average GWP and GHGp Report

File Report

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2021 Weighted-Average GWP	2021 GHGp (metric tons of CO2e)	2019 Baseline GHGp	
3143	300	705,960 (LBsCO2e)	320 (MTCO2e)

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Weighted Average GWP and GHGp Report

Weighted Average GWP and GHGp Report

Final Notes

Refrigerant Registration and Reporting System (R3)

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Order for Adding Service Records

1. Ensure you have completed all system changes and added all service records for prior years.
2. Always complete system status changes first in Tab 2.
   - This can either be done through the R3 application or an XML upload.
3. Then input service records into Tab 4.
   - This can either be done through the R3 application or an XML upload.

Final Notes:

- When in doubt, follow <u>chronological order of events</u>.

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Errors in R3

- When you notice an error in R3 registration, please notify RMP staff so that the error can be addressed.

Example #1: I added a system with 6,500 pounds of R-448A when I only meant 650.

Example #2: Our company took over this building and the system is listed as R-22 when it appears to be using R-404A.

- Attempting to self-correct such errors could affect compliance.

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Future R3 Changes

Questions

Helpline
(916) 324-2517
rmp@arb.ca.gov

Website:
http://arb.ca.gov/rmp
Refrigerant Registration and
Reporting System (R3)
https://ssl.arb.ca.gov/rmp-r3/

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