



**California Air Resources Board
Refrigerant Management Program (RMP)
Refrigerant Registration and Reporting System (R3)
Updates and User Training**

December 11, 2014



Agenda

- **Overview: Refrigerant Management Program (RMP)**
- **Overview: Refrigerant Registration and Reporting (R3) System**
- **Demonstration:**
 - **Registration and Service Records Data Entry**
 - **Annual Report Submittal and Fee Payment**
- **Questions**

RMP program web page: www.arb.ca.gov/rmp

R3: www.arb.ca.gov/rmp-r3

RMP email help line: rmp@arb.ca.gov



Overview

Refrigerant Management Program (RMP)

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RMP Program Overview

- Regulation implements California Global Warming Solutions Act (AB 32)
- In effect since January 1, 2011
- Complements existing federal and local rules
- Focuses on leak inspection & repair
- Repairing leaks can save businesses money

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RMP Program Overview

Applicability



- Facility with a refrigeration system
 - Stationary, non-residential
 - More than 50-lbs of a high-GWP refrigerant
 - Excludes comfort cooling, ammonia systems
- Distributors, Wholesalers, Reclaimers
- Any person who installs, services, or repairs a high-GWP gas refrigeration or a/c system

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RMP Overview

Key Requirements



- Facilities with refrigeration system
 - Conduct periodic leak inspections
 - Repair leaks within 14 days of detection
 - Keep records of service and refrigerant transactions
 - Follow required service practices
 - 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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RMP Overview Phase-In Schedule



In effect for all Facilities -Best management practices, leak inspections, leak repairs, recordkeeping

Due Annually By March 1 -Large and Medium facilities (≥ 200 lbs.) register, report, and pay fee
-Distributors, wholesalers, reclaimers report

Due by March 1, 2016 -Small facilities (50 to 200 lbs.) register

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Overview

Refrigerant Registration and Reporting System (R3)

<http://www.arb.ca.gov/rmp-r3>

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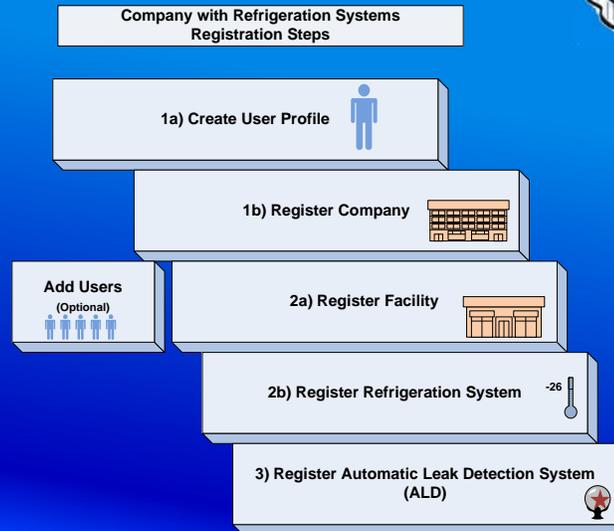
R3 Overview New Features



- System shutdown
- Facility closure
- Change refrigerant type
- Service records filters
- Notification of quarterly and annual leak inspections due
- Annual Report refrigerant usage
- XML version 2

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R3 Overview Registration Workflow



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R3 Overview Service Records Data Entry Workflow



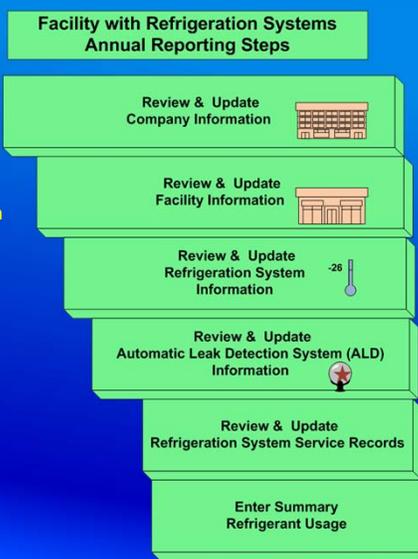
- Enter Service Records
 - Leak inspections, leak repairs, other maintenance
 - ALD audits, calibrations, repairs, etc.
- Batch upload data from refrigerant management software
- Enter at any time

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R3 Overview Annual Reporting Workflow



Distributors/Wholesalers/Reclaimers
skip all steps below
Review & Update Facility Information

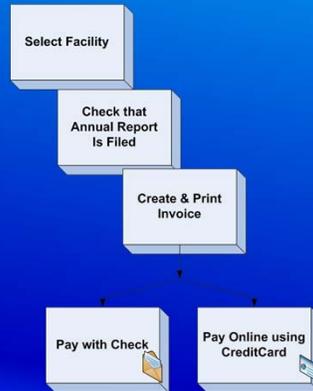


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R3 Overview Annual Fee Payment Workflow



Company with Refrigeration Systems Annual Payment Steps



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R3 Overview User Reports



- Reports can be printed from the R3
 - Facility and system leak rates
 - Refrigerant losses
 - Facility and system leak repair history
 - Inspections by enforcement agencies

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R3 Overview

Common Mistakes and Solutions



- **Incomplete registration**
 - Enter all facility, all refrigeration systems, ALD systems information
- **Service records not entered**
 - Required leak inspections
 - Quarterly and annual evenly spaced
 - Quarterly = every 90 days (+/- 20 days)
 - Annual = same time each year
 - When additional refrigerant needed
 - Leak repairs
 - ALD servicing
 - Other maintenance affecting refrigerant

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R3 Overview

Common Mistakes and Solutions



- **Incorrect refrigerant usage on the Annual Report**
 - Report the annual summary of refrigerant purchased and used
- **Invoice not created and/or sent with payment**
 - Print and send a copy of the invoice along with the check to ARB at the address on the invoice

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Demonstration

Refrigerant Registration and Reporting System (R3)

Company and Facility Registration

Service Records Data Entry

Annual Report Submittal and Fee Payment

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Login Page

- www.arb.ca.gov/rmp-r3



The screenshot shows the R3 login page with several key elements circled in red:

- Navigation Bar:** Includes links for R3 Home, Reports & Forms, Contact, FAQ, Survey, Test Your XML (V.1), Test Your XML (V.2), and Help.
- Welcome Section:** Contains introductory text about the R3 system and its purpose.
- LOGIN Form:** Features fields for USERNAME and PASSWORD (marked as case-sensitive), a Login button, and a link for 'Can't Access my Account?'.
- Registration Links:** A link for 'Sign Up for New Registration' is circled.
- Important Information:** A section with sub-sections for General Public Users, First Time Company Users, and First Time ARB and Air District Users.
- Contact Information:** Provides an email address (refracinfo@arb.ca.gov) and a phone number (916-324-2517) for general R3 questions.
- Footer:** Includes links for 'Back to Top', 'All ARB Contacts', and 'A-Z Index'.

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Check List

California Environmental Protection Agency
Air Resources Board

Register Automatic Leak Detection System (ALD)
(Only if the refrigeration system has one)

Select 'ALD System' Tab, Click 'Add New'
 Input all fields
 'Refrigeration System' Field - Select All Refrigeration Systems it monitors (hold CTRL key and click each system)

↓

Add Service Records for each Refrigeration System

Such as Required Scheduled Leak Inspections, Leak Repairs, or Adding/Removing Refrigerant events

 Select 'Leak Insp. & Service' tab, click 'Add New'
 Input all fields, select the matching Refrigeration system
 Click 'Save Record'

↓

Submit Annual Report due annually by March 1st

By March 1st, all service records should be inputted into R3. Now you can review and submit the 'Annual Report' for the previous year.

 Select 'File Annual Report' tab, Select the Reporting Year blue link
 Go thru the 'Verification' process by clicking each blue link to confirm accurate reporting information
 'Refrigerant Purchase and Use Information' -- add refrigerant totals for each refrigerant type, To add more refrigerants click 'Add Rows' blue plus sign
 Click 'Save', then Click 'Review & Submit' to review the Annual Report before final submission
 Read over each blue titled section for accuracy and select 'Accept Terms & Conditions'
 To Finish click 'Submit'

↓

Pay Annual Fee Due by March 1st

Pay Annual Fee -- select 'Annual Fee' Tab, click blue reporting year, click 'Generate Invoice'
 To pay fee using check, print invoice and mail it or to pay fee using credit card click 'Pay Now' link
 Using a credit card: complete all fields and click 'Process Payment'. A receipt will be emailed and R3 will change the status to paid. Many cards are accepted.



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Check List
(cont.)

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Air Resources Board

Refrigeration System Information

Collect this data for each refrigeration system (of any size), to enter into R3 online reporting tool.
Refrigerant amounts are provided in pounds (lbs).

Facility Name			
Refrigerant Type <i>(e.g. R-22, R-404a)</i>			
Model Year	Installation Date <i>(best estimation)</i>		
Manufacturer Name			
Model Number			
Serial Number			
Location in Facility			
Floor Plan	<input type="checkbox"/> Obtain a PDF or image to upload <i>(not mandatory)</i>		
Normal Operating Charge (pounds)	Temperature Class	<input type="checkbox"/> High	<input type="checkbox"/> Medium
		<input type="checkbox"/> Low	
<i>Low is freezing, Medium is cold (between freezing and about 50 F), High is above 50 F.</i>			
How was the Charge Determined?	<input type="checkbox"/> Name plate		<input type="checkbox"/> Calculated from design documents
	<input type="checkbox"/> Charge calculator program		<input type="checkbox"/> Equipment manual
	<input type="checkbox"/> Midpoint of range		<input type="checkbox"/> Recover full charge & weigh back in system
	<input type="checkbox"/> Sum of refrigerant charged into system		
Service Records	<input type="checkbox"/> Quarterly leak inspections for each system 200 pounds or more	<input type="checkbox"/> All leak repairs	<input type="checkbox"/> Adding and removing refrigerant
	<input type="checkbox"/> Any other maintenance or repairs affecting refrigerant in the circuit		<input type="checkbox"/> Leak detection method <i>(e.g. handheld, bubble, oil)</i>
	<input type="checkbox"/> Service technician name and US EPA certification		



Copy sheet as needed.

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Check List (cont.)



R3 Reporting Aid - Leak Inspection and Repair

input information at: www.arb.ca.gov/rmp-r3
 This worksheet is for company use only. DO NOT RETURN TO ARB.

Company Name: _____ Technician Name: _____
 Facility Name: _____ Technician Certificate Type: _____
 Technician Certificate Number: _____

System ID (as reported in R3): _____

Date of Service	Type of Service	Leak Detected	Leak Detection Method	Amount Refrigerant Added (lbs)	Amount Refrigerant Removed (lbs)	Purpose of Added or Removed Charge
	<input type="checkbox"/> Leak Inspection <input type="checkbox"/> Leak Repair <input type="checkbox"/> Routine Service <input type="checkbox"/> Other	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Bubble Test <input type="checkbox"/> Leak Detection Device <input type="checkbox"/> Electronic/Ultrasonic <input type="checkbox"/> Other			<input type="checkbox"/> Initial Charge <input type="checkbox"/> Leak Repair <input type="checkbox"/> Topping Off <input type="checkbox"/> Other

if a leak was detected, fill out the information below:

Date Leak Detected	Date Leak Repaired	Initial Verification Test Date	Follow-up Verification Test Date	Cause of leak:

Description of leak repair:

Continue on back if necessary.

Leak inspections must be conducted at least once every 90 days per Rule 95385(b) for any refrigeration system with an operating charge of 200 or more pounds but less than 2000 pounds, and at least annually for any system with an operating charge between 50 and 200 pounds, per Rule 95385(c), unless the system is monitored by an Automatic Leak Detection device (ALD). Additional requirements apply to all high-GWP HVAC/R systems including leak repair within 14 days. Complete RMP Rule is available at <http://arb.ca.gov/rmp>

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New Registrations



California Environmental Protection Agency
Air Resources Board

ARB RMP Home Page

[R3 Home](#) | [Reports & Forms](#) | [Contact](#) | [FAQ](#) | [Survey](#) | [Test Your XML](#) | [Help](#)

New Registration - Registrant Identification

● Registrant Identification
 ○ Company Registration
 ○ Registration Confirmation
 ○ Registration Complete

[Help for this Page](#)

Type Of Ownership: * -- Choose your ownership type -- ?
 EIN Number: * ? Next >>

*Format for Federal Tax ID (FEIN or EIN) is "12-3456789"
 (Do NOT use the special characters hyphen/underscore. Contact ARB if you do not have a tax number.)

Company Registration Information



California Environmental Protection Agency
Air Resources Board

ARB RMP Home Page

[R3 Home](#) | [Reports & Forms](#) | [Contact](#) | [FAQ](#) | [Survey](#) | [Test Your XML](#) | [Help](#)

New Registration- Registrant Identification

Registrant Identification | Company Registration | Registration Confirmation | Registration Complete

[Help for this Page](#)

If your refrigeration systems all use only ammonia or CO2 the Refrigerant Management Program regulation does not apply to you. You do not need to establish a user account or register any refrigeration systems in the R3 tool.

Type Of Ownership : * Company with refrigeration facility EIN Number : * 235622105 [Next >>](#)

*Format for Federal Tax ID (FEIN or EIN) is: 123456789
(Do NOT use a social security number. Contact ARB if you do not have a tax number.)

More than one facility will register for same EIN? Yes No

In the R3 system the order of creating a registration is to create an overall company record with a company R3 administrator. Facilities with one or more refrigeration systems are registered under the overall company. At the current step of the registration process the R3 is asking if the company will have one facility or more than one facility under its overall company name. Select yes if there will be more than one facility under this company name.

Are you authorized to register as company? Yes No

If you are the appropriate person within your company to create the overall company record and be the R3 administrator select yes. If someone else is the appropriate person if the overall company record has already been created by someone else, select no.

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Company Registration Information User Information



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ARB RMP Home Page

[R3 Home](#) | [Reports & Forms](#) | [Contact](#) | [FAQ](#) | [Survey](#) | [Test Your XML](#) | [Help](#)

[Home](#) >> Registration

New Registration- Company Registration

Registrant Identification | Company Registration | Registration Confirmation | Registration Complete

[Help for this Page](#)

Fields marked with * are mandatory to fill.

User Profile

Salutation : * Mr First Name : * Last Name : *

Email : *

Verify Email : * Telephone : * -

(Format XXXXXXXXXX)

Username : * Password : * Confirm Password : *

(Minimum 6 characters)

Hint Question 1 : * What is your mothers maiden name Hint Question 2 : * In what city was your father born?

Hint Answer 1 : * Hint Answer 2 : *

Company Profile

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Company Registration Information Company Profile



Company Profile

Company Name : * EIN : *

Contact Person Information

Salutation : Mr First Name : * Last Name : *

Position : Phone : * -
(Format XXXXXXXXXXX)

Email : *

Mailing Address Information

Street Address 1 : *

Street Address 2 :

City : * State : * Please Select... Zip : *

Billing Address Information [?](#)

Billing address is same as mailing address.

Street Address 1 : *

Street Address 2 :

City : * State : * Please Select... Zip : *

Payment Responsibility (if applicable) [?](#)

Who is responsible for making payments? Company Facility

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Company Registration Information Terms and Conditions



Who is responsible for making payments? Company Facility

Terms and Conditions

Thank you for using ARB's Refrigerant Management Program (RMP) Refrigerant Registration and Reporting (R3) system. By using the R3 system, you agree to be bound by the following terms and conditions. By initiating your company's account for the R3 system, you certify that you are authorized to agree to the following terms and conditions on your company's behalf and do in fact agree to these terms and conditions. As your company's Administrator you will be able to assign additional users (Delegates) to view or edit your company's account information. As the Administrator of your company's profile, you agree that these terms and conditions are also binding on your Delegates.

NON-COMMERCIAL USE

I accept Terms and Conditions

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Company Registration Information

Print Copy of Registration



California Environmental Protection Agency
Air Resources Board
 ARB RMP Home Page

R3 Home | Reports & Forms | Contact | FAQ | Survey | Test Your XML (V.1) | Test Your XML (V.2) | Help

New Registration- Registration Confirmation Help for this Page

Progress: Registrant Identification | Company Registration | Registration Confirmation | **Registration Complete**

Confirmation

Registration has been successfully completed.
 - Select "Go to Dashboard" to start using the RMP R3 System.
 - Select "Print Registration Receipt" to keep the copy of registration record.

[Go To Dashboard](#) | [Print Registration Receipt](#)

[Back to Top](#) | [All ARB Contacts](#) | [A-Z Index](#)

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Dashboard



California Environmental Protection Agency
Air Resources Board
 ARB RMP Home Page

[Edit Profile](#) | [Logout](#)

R3 Home | **Registration** | Annual Reporting | Payments | Reports | Inspection

Logged in as: Ken Bowers
 (Company Admin)
 (Webinar 2013)

Welcome "Ken Bowers" to Refrigerant Management Program

Quick Links

- [Manage Users](#)
- [Manage Facility](#)
- [File Annual Report](#)
- [Make Payments](#)
- [Reports](#)

Welcome to the Refrigerant Registration and Reporting System (R3). You are logged in as a **Company Admin** type user. The quick links on the left side of this page show activities available for users of your role type. Select an activity from the quick links or from the menus on the red tab bar above.

#	Facility	Refrigeration Systems	ALD	Service Record	Annual Report	Payment	Inspection
No facility is registered yet, please click here to register a facility							

[Back to Top](#) | [All ARB Contacts](#) | [A-Z Index](#)

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Links (Red Bar)



- R3 Home
 - User Dashboard
 - FAQ
 - Survey
 - Reports and Forms
 - Help
 - Contact
 - RMP Regulation
- Registration
 - User Management
 - Company Management
 - Facility
 - Batch Upload
 - Change Ownership / closure of facility

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Links (Red Bar)



- Annual Reporting
 - Servicing
 - Batch Upload (XML)
 - File Report
- Payments
 - Make Payment
- Reports
- Inspections
 - Inspection for Facility with Refrigeration Systems

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Dashboard

The dashboard page features a blue header with the word "Dashboard" in yellow. Below the header is a navigation bar with the California Air Resources Board logo and menu items: R3 Home, Registration, Annual Reporting, Payments, Reports, and Inspection. The user is logged in as Ken Bowers (Company Admin) for Webinar 2013. A central message welcomes the user to the Refrigerant Management Program. On the left, a "Quick Links" box contains links for Manage Users, Manage Facility, File Annual Report, Make Payments, and Reports. Below this is a table with columns: #, Facility, Refrigeration Systems, ALD, Service Record, Annual Report, Payment, and Inspection. The table is currently empty, with a message stating "No facility is registered yet, please [click here](#) to register a facility". A yellow oval highlights the table area. At the bottom, there are links for Back to Top, All ARB Contacts, and A-Z Index. A small "31" is in the bottom right corner.

Facility Registration

The "Facility Registration" page shows a form for adding a new facility. The navigation bar is identical to the dashboard. The form is titled "New Facility Details" and includes a "Help for this Page" button. The "Company Name" field contains "Webinar 2013" and the "Facility Name" field contains "Webinar 2013.Facility.1". The "Start Date of Operation" field is set to "09/11/2008" and is circled in yellow. The "Facility Contact Person Information" section has a checked box for "Facility contact person is same as company contact person". Fields for "Salutation" (Dr), "First Name" (Ken), and "Last Name" (Bowers) are filled. The "Position" is CEO and the "Phone" is 9163231510. The "Email" is kbowers@arb.ca.gov. The "Mailing Address Information" section has a checked box for "Facility mailing address is same as company mailing address". Fields for "Street Address 1" (10011 St), "City" (Sacramento), "State" (CA), and "Zip" (95014) are filled. A "Location Address Information" section is partially visible at the bottom. A small "32" is in the bottom right corner.

Facility Registration



Location Address Information

Facility Location address is same as facility mailing address.

Street Address 1 : * 10011 St
 Street Address 2 :
 City : * Sacramento State : * CA Zip : * 95814

Who is responsible for payment? Company Facility

Billing Information

Facility Billing address is same as facility mailing address.

Street Address 1 : * 10011 St
 Street Address 2 :
 City : * Sacramento State : * CA Zip : * 95814

Billing Contact Person Information

Billing contact person is same as facility contact person.

Salutation : * Dr First Name : * Ken Last Name : * Bowers
 Position : * CEO Phone : * 9163231510
(Format: XXXXXXXXXX)
 Email : * kbowers@arb.ca.gov

Business Codes (Please click Browse button to select your company NAICS and SIC codes)

NAICS Code : * [] Browse ? SIC Code : * [] Browse ?

Save & Submit Cancel

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NAICS and SIC Code Lookup



Who is responsible for payment? Company Facility

Matched code 1181 Record(s) Found

Search: [] Search

Sr.No.	#	Code	Description
1	<input type="radio"/>	327910	Abrasive Product Manufacturing
2	<input type="radio"/>	325520	Adhesive Manufacturing
3	<input type="radio"/>	924110	Administration of Air and Water Resource and Solid Waste Management Programs
4	<input type="radio"/>	924120	Administration of Conservation Programs
5	<input type="radio"/>	923110	Administration of Education Programs
6	<input type="radio"/>	926110	Administration of General Economic Programs
7	<input type="radio"/>	925110	Administration of Housing Programs
8	<input type="radio"/>	923130	Administration of Human Resource Programs (except Education Public Health and Veterans' Affairs Programs)

Business Codes (Please click Browse button to select your company NAICS and SIC codes)

NAICS Code : * [] Browse ? SIC Code : * [] Browse ?

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Facility Registration



Billing Information

Facility Billing address is same as facility mailing address.

Street Address 1 : * 1001 I St
 Street Address 2 :
 City : * Sacramento State : * CA Zip : * 95814

Billing Contact Person Information

Billing contact person is same as facility contact person.

Salutation : * Dr First Name : * Ken Last Name : * Bowers
 Position : CEO Phone : * 9163231510
(Format :XXXXXXXXXX)
 Email : * kbowers@arb.ca.gov

Business Codes (Please click Browse button to select your company NAICS and SIC codes)

NAICS Code : * Browse ? SIC Code : * Browse ?

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Facility List Page



California Environmental Protection Agency
Air Resources Board ARB RMP Home Page [Edit Profile](#) | [Logout](#)

[R3 Home](#)
[Registration](#)
[Annual Reporting](#)
[Payments](#)
[Reports](#)
[Inspection](#)

Home > Facilities Logged in as: Ken Bowers
(Company Admin)
(Inwebinar 2014 company)

[Help for this Page](#)

Search by Facility Name: [Advanced Search](#) [Reset Search](#)

Facility Listing 1 Record(s) Found

<input type="checkbox"/>	Facility Name	Address	City	Refrigeration Sys	ALD	Status	Print
<input type="checkbox"/>	kbwebinar 2014 facility 1	123 Street Name,	Sacramento	1 Add	1 Add	✔	

[« Previous](#)
[Next »](#)

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Manage Facility



CA .GOV California Environmental Protection Agency Air Resources Board ARB RMP Home Page Edit Profile | Logout

R3 Home Registration Annual Reporting Payments Reports Inspection

Home > Facility > Webinar 2013 Facility 1 Logged in as: Ken Bowers (Company Admin) (Webinar 2013)

Navigation tabs

- Facility Information
- Refrigeration System
- ALD System
- Leak insp. & Service
- File Annual Report
- Annual Fee Payment

Edit Facility Details

[Edit Info](#)

Edit information button

Company Name : * Webinar 2013
Facility Name : * Webinar 2013 Facility 1
Air District : SACRAMENTO METROPOLITAN AQMD
Type of ownership : Company with refrigeration facility
Start Date of Operation : 09/11/2008

Contact Person Information

Facility contact person is same as company contact person.

Salutation : * Dr First Name : * Ken Last Name : * Bowers
Position : CEO Phone : * 9163231510 -
Email : * kbowers@arb.ca.gov

Mailing Address Information

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Closure or Transfer of Facility



CA .GOV California Environmental Protection Agency Air Resources Board ARB RMP Home Page Edit Profile | Logout

R3 Home Registration Annual Reporting Payments Reports Inspection

- User Management
Add and manage users.
- Company Management
Manage company.
- Facility
Add and manage facility.
- Batch upload (XML V.2)
Import registration XML file.
- Change Ownership/ Closure of Facility**
Manage ownership/ Closure of Facility data.

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Closure or Transfer of Facility



Change Ownership/ Closure of Facility

- Want to transfer facility ?
- Want to Close facility ?

Facility Listing

1 Record(s) Found

<input type="checkbox"/>	Facility Name	Address	City	Contact Person	Phone
<input checked="" type="checkbox"/>	kbwebinar 2014 facility 1	123 Street Name,	Sacramento	Ken	9163231510

Buyer Information

Name of Buyer Company: * Please enter atleast three characters to get Company Name list

Buyer Company Mailing Address Information

Street Address 1:

Street Address 2:

Mailing City: Mailing State: Mailing Zip:

Buyer Company Contact Person Information

Salutation: First Name: Last Name:

Position: Phone: (format: XXXXXXXXXX)

Email:

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Refrigeration Systems



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Refrigeration Systems



California Environmental Protection Agency
CA Air Resources Board
 ARB RMP Home Page
 Edit Profile | Logout

R3 Home | Registration | Annual Reporting | Payments | Reports | Inspection

Home > Facility > Webinar 2013 Facility 1
 Logged in as: Ken Bowers
 (Company Admin)
 (Webinar 2013)

Facility Information | **Refrigeration System** | A/D System | Leak insp. & Service | File Annual Report | Annual Fee Payment

Search:

Refrigeration Systems 1 Record(s) Found

Refrigeration ID	Operation Status	Manufacturer	Full charge Amt	Installation Date	Temperature Class
<input type="checkbox"/> System 1	Normal Operation	Frick	3500.00	09/15/2010	Low

Previous

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Add a Refrigeration System



Help for this Page

Add New Refrigeration System * Mandatory ? Help

Refrigeration System ID : * System 1 ?

Installation Date : * 08/04/2010

Model Year : * 2010

Manufacturer : * Edwards

Model or Description : * Model 1 ?

Equipment Type : * Freezer

Serial Number : * SN 012315 ?

Location - Description : * Machine room

Attach floor plan : No file selected.

Supported files to upload * .jpg, .jpeg, .png, .gif, .pdf, .doc, .xls, .docx, .xlsx, .tif, .tiff ?

Temperature Class : * Low

Operational Status : * Normal Operation ?

Refrigerant Full Charge Amount : * 2688 pounds ?

Refrigerant Type : * R-407A - KLEA 60

Means By Which Charge : * Name plate

Amount Determined : * Amount Determined

Does this system have an A/D?: * Direct A/D used

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Refrigeration System Information Needed



- System ID
- Installation date
- Model year
- Manufacturer
- Model
- Equipment type
- Serial number
- Location
- Floor plan
- Temperature class
- Operational status
- Refrigerant charge amount
- Type of refrigerant
- How the charge amount was determined
- Does the system have an ALD?

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Shutdown of a Refrigeration System



Edit Refrigeration System * Mandatory ? Help

Refrigeration System ID : Refrigeration System #1 ?

Installation Date : 08/13/1967

Model Year : 1952

Manufacturer : Flakice

Model or Description : ABC LLC ?

Equipment Type : Refrigeration

Serial Number : A-110011 ?

Location - Description : Outer Shell

Attach floor plan : No file selected. ?

Supported files to upload : *.jpg, *.jpeg, *.png, *.gif, *.pdf, *.doc, *.xls, *.docx, *.xlsx, *.tiff, *.tif

[TES011-009_Refrigeration_System_#1_1386643500.tif](#) x

Temperature Class : Medium ?

Operational Status : **Permanent Shutdown and Removal** ?

This operational status classification is to be used only for refrigeration systems that have been PERMANENTLY SHUTDOWN AND REMOVED. The classification cannot be reversed. If the shutdown is not permanent and the system has not been dismantled, please use a different classification.

Date of Shutdown : 08/04/2014

Refrigerant Full Charge Amount : 1000.00 pounds ?

Refrigerant Type : R-11 - CFC-11 [Change Refrigerant Type](#)

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Change Refrigerant Type



Temperature Class : * Medium ?

Operational Status : * Normal Operation ?

Refrigerant Full Charge Amount : * 880.00 pounds ?

Refrigerant Type : * R-22 - HCFC-22 [Change Refrigerant Type](#)

Change of Refrigerant type in middle of year. Service Personnel needs to enter Amount added and removed in service records.

Date of Refrigerant type change : *

New Refrigerant Type : * Please Select..

Means By Which Charge : * Sum of refrigerant charged into system Amount Determined

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ALD Systems



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ALD Systems



The screenshot shows the ARB RMP Home Page with the following elements:

- Navigation menu: R3 Home, Registration, Annual Reporting, Payments, Reports, Inspection.
- Logged in as: Ken Bowers (Company Admin) (Webinar 2013).
- Success message: **Leak Detection System has been added successfully.**
- Tabbed interface with 'ALD System' selected.
- Search bar with a search button.
- Table titled 'Leak Detection Systems' with 1 record found:

Equipment ID	Equipment Type	Sensor Type	Number of Sensors	Manufacturer
<input type="checkbox"/> System 1 ALD	Concentration Monito...	Infra red	8	Carrier

At the bottom of the table, there are navigation buttons: 'Previous', 'Next', 'Add New', and 'Delete'.

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Add an ALD System



The screenshot shows the 'Add New Leak Detection Equipment (If Applicable)' form with the following fields:

- ALD System ID: System 1 ALD
- Installation Date: 10/05/2010
- System Type: Concentration Monitor (Direct System)
- Detection Limit: 10
- Alarm Set Point: 100
- Concentration Monitor Type: Distributed inlets or sensors with comp
- Concentration Monitor Manufacturer: Carrier
- Number of Sensors: 8
- Sensor Type: Infra red
- Sensor Manufacturer: Carrier
- Location of Sensors/Inlets: near compressor, evaporator, receiver
- Refrigeration System: System 1 (highlighted with a red circle)

Buttons at the bottom: Save & Submit, Save & Add more, Cancel.

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ALD System Information Needed



- System ID
- Installation date
- System type
- Detection limit
- Alarm set point
- Monitor type
- Monitor manufacturer
- Number of sensors
- Sensor type
- Sensor manufacturer
- Location of sensors
- Refrigeration system(s) monitored

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Leak Inspection and Service Records



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Entering Service Records

ARB RMP Home Page

CA GOV California Environmental Protection Agency Air Resources Board

Home Registration Annual Reporting Payments Reports Inspection

Home - Facilities - 10/26/2014 Facility 1

Logged in as: Ken Bowers (Company Admin) (Instructor 2014 session)

Leak Detection Service Record has been added successfully.

Facility Information Refrigeration System ALD System **Leak Insp. & Service** File Annual Report Annual Fee Payment Analytics

Refrigerant System: Please Select... Service Type: Please Select...

From: To: Search Reset Search Print Result

Refrigeration System Servicing 1 Record(s) Found

Service Date	Refrigeration ID	Refrigeration Type	Refrigerant Amt	Service Type	Leaks	Print
09/03/2014	System 1	R-407A - KLEA 60	+100.00	Quarterly leak inspection	Yes	

Previous Next

Add New Delete

--- No Record Found ---

Previous Next

Add New Delete

Back to Top | AIRRB Contacts | A-Z Index

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Leak Inspections and Service



Facility Information Refrigeration System ALD System **Leak Insp. & Service** File Annual Report Annual Fee Payment Analytics

Refrigerant System: Please Select... Service Type: Please Select...

From: To: Search Reset Search Print Result

Refrigeration System Servicing 0 Record(s) Found

Service Date	Refrigeration ID	Refrigeration Type	Refrigerant Amt	Service Type	Leaks	Print
--- No Record Found ---						

Previous Next

Add New Delete

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Leak Inspections and Service

Help for this Page

Add Refrigeration System Servicing

Facility Name: * [kwebinar 2014 facility 1]

System Type: * Refrigerant System
 Refrigeration System: * System 1

Date of Service: * [] ?
 Type of Service: * Annual Leak Inspection ?

Leak detected: * YES NO

New Refrigerant Added amount: [0] pounds ?
 Refrigerant Removed But Not Returned to System amount: [0] pounds ?
 Net refrigerant amount: * 0 pounds ?
 Leak detection method: * Please select
 Purpose of added or removed charge: * Please select
 Extra time for reboil/retirement: [] Days
 plan needed

Technician Name: * [] ?
 Technician certificate number: * [] Do not enter Social Security Number Please See ? for assistance
 Technician certificate type: * [] ?
 Technician company name: []
 Technician email: []
 Additional Technician Information: []
Ex. Technician name - technician certificate number - technician certificate type with comma separated values

Additional notes: []

Save & Submit Cancel

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Leak Repair Service Records



Leak Repair

Cause of refrigerant leak: * Evaporator - Piping

Date leak detected: * 08/29/2013

Date leak repaired: * 09/02/2013

Days to repair: * 4 Days

Initial verification test date: * 09/02/2013 ?

Follow-up verification test date: * 09/03/2013 ?

Description of leak repair: * Braze patch on leaking pipe

Technician Name: * John Doe ?

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Leak Inspections and Service

Update Refrigeration System Servicing

Facility Name: * [Howebinar 2014 facility 1]

System Type: * Refrigerant System
Refrigeration System: * System 1
Date of Service: * 05/08/2014
Type of service: * Leak repair

Leak detected: * YES NO

New Refrigerant Added amount: * 850.00 pounds
Refrigerant Removed But Not Returned to System amount: * 500.00 pounds
Net refrigerant amount: * 350.00 pounds
Refrigerant type: * R-407A
Leak detection method: * Calibrated leak detection device
Purpose of added or removed charge: * Leak Repair
Extra time for retrofit/retirement plan needed: [] Days

Leak Repair

Cause of refrigerant leak: * Discharge Line - Ball Valve
Date leak detected: * 05/06/2014
Date leak repaired: * 05/07/2014
Days to repair: * 1 Days
Initial verification test date: * 05/07/2014
Follow-up verification test date: * 05/08/2014
Description of leak repair: * repacked valve

Technician Name: * John Doe
Technician certificate number: * 25668
Technician certificate type: * Universal
Technician company name: []

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Leak Inspections and Service

Leak detected: * YES NO

New Refrigerant Added amount: * 250.00 pounds
Refrigerant Removed But Not Returned to System amount: * 80.00 pounds
Net refrigerant amount: * 170.00 pounds
Refrigerant type: * R-134a - HFC-134a
Leak detection method: * Calibrated leak detection device
Purpose of added or removed charge: * Leak Repair
Extra time for retrofit/retirement plan needed: [] Days

Leak Repair

Cause of refrigerant leak: * Liquid Line - Pump
Date leak detected: * 08/01/2012
Date leak repaired: * 08/08/2012
Days to repair: * 7 Days
Initial verification test date: * 08/08/2012
Follow-up verification test date: * 08/09/2012
Description of leak repair: * replaced exel on liquid line pump

Technician Name: * Susan Doe
Technician certificate number: * 89532
Technician certificate type: * Universal
Technician company name: * John Doe and Co
Technician email: []
Additional Technician Information: []

Additional notes: []

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Leak Inspections and Service



California Environmental Protection Agency
Air Resources Board
 ARB RMP Home Page [Edit Profile](#) | [Logout](#)

CA.GOV R3 Home Registration Annual Reporting Payments Reports Inspection

Home > Facility > Webinar 2013 Facility 1 Logged in as: Ken Bowers
 [Company Admin]
 [Webinar 2013]

Facility Information Refrigeration System ALD System **Leak Insp. & Service** File Annual Report Annual Fee Payment

Refrigeration System Servicing 1 Record(s) Found

<input type="checkbox"/>	Service Date	Facility Name	Refrigeration ID	Refrigeration Type	Leaks Detected
<input checked="" type="checkbox"/>	06/05/2013	Webinar 2013 Facilit...	System 1	R-134a - HFC-134a	Yes

« Previous Next »

[Add New](#) [Delete](#)

Leak Detection System Servicing 1 Record(s) Found

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ALD Service Records



Leak Detection System Servicing 1 Record(s) Found

<input type="checkbox"/>	Service Date	ALD system ID	Service Type
<input checked="" type="checkbox"/>	06/11/2014	ALD System 1	Audit

« Previous Next »

[Add New](#) [Delete](#)

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ALD Service Records



Help for this Page

Choose System type for Servicing

Facility Name : * Webinar 2013 Facility 1

System Type : * ALD System

ALD System : * System 1 ALD ?

Date of Service : * 08/08/2013

Type of service : * Calibration ?

Detection limit indicated after service : 10

Alarm set point after service : 100

Description of service : Re-calibrated system according to manufacturer's instructions

Save & Submit Cancel

Annual Reports

Print Cancel

CA California Department of Pesticide Regulation
ARB Air Resources Board
 Phone: 916-227-2247
 Fax: 916-227-2247

Year of filing: 2013 Submitted Date: 10/10/2013

Company Profile

Company Name: Webinar 2013 Federal Tax ID: *****

Contact Person Details

Person Name: Dr. Ken Rowner (CRD)
 Phone: Contact 9162219500
 Email: krowner@arb.ca.gov

Mailing Address Information

9881 E St
 Sacramento, 95814
 CA

Billing Address Information

9881 E St
 Sacramento, 95814
 Sacramento

Facility Profile

Facility Name: Webinar 2013 Facility 1 Federal Tax ID: *****

Contact Person Details

Person Name: Dr. Ken Rowner (CRD)
 Phone: Contact 9162219500
 Email: krowner@arb.ca.gov

Mailing Address Information

9881 E St
 Sacramento, 95814
 CA

Billing Address Information

9881 E St
 Sacramento, 95814
 Sacramento

Refrigeration System Listing

Refrigerant	System ID	Full Charge (lbs)	Refrigerant Type	Installation Date	Temperature Class	Apparatus Type	Manufacturer	Serial #	Year	Serial #	Location of Service
R	System 1	2000.00	R-134a	08/15/2013	Low	Process	Peak	0122	2010	P2 2008	Webinar 2013 Facility 1

Leak Detection System

Refrigerant	ALD ID	Refrigeration System ID	Installation Date	ALD Type	Detection Limit	Alarm Set Point	Manufacturer	Model #	Serial #	Service #	Location of Service
R				Continuous Monitor (Direct Reading)	10.00	100	Carrier	9	0576	0001	Webinar 2013 Facility 1

Refrigeration System Inspection and Servicing

Refrigerant	System ID	System ID	Leak Detected?	Date Leak Detected	Date Leak Reported	Number of Days	Refrigerant Leaked (lbs)	Leak of Leak	Date of Initial UT	Date of Follow-up UT	Percentage of Charge Replaced	Technician Name	#	Type
R	00000012	System 1	No	00010912	00000012	171.00	0.00	000001	00000001	00000001	0.00	Ken Rowner	000001	Annual

Leak Detection System Inspection and Servicing

Refrigerant	System ID	Service Date	ALD ID	Service Type	Description of Service
R	00000012	08/08/2013		Calibration	Re-calibrated system according to manufacturer's instructions

Management Purchase Information

Type	Total Purchased (lbs.)	Total Charged (lbs.)	Total Recovered (lbs.)	Total Stored (lbs.)	Total Shipped (lbs.)
R-134a - 2010-11	2000.00	0.00	0.00	0.00	0.00

Comment

Submitted By: Ken Rowner

Annual Reports



ARB RMP Home Page


 California Environmental Protection Agency
Air Resources Board
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[Home](#) > [Facility](#) > Webinar 2013 Facility 1
 Logged in as: Ken Bowers
(Company Admin)
(Webinar 2013)

[Facility Information](#) | [Refrigeration System](#) | [ALD System](#) | [Leak Insp. & Service](#) | **[File Annual Report](#)** | [Annual Fee Payment](#)

Edit Facility Details [Edit Info](#)

Company Name : *

Facility Name : *

Air District :

Type of ownership :

Start Date of Operation :

Contact Person Information

Facility contact person is same as company contact person.

Salutation : * First Name : * Last Name : *

Position : Phone : * (Format XXXXXXXXXXX)

Email : *

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Annual Reports



ARB RMP Home Page


 California Environmental Protection Agency
Air Resources Board
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[Home](#) > [Facility](#) > Webinar 2013 Facility 1
 Logged in as: Ken Bowers
(Company Admin)
(Webinar 2013)

[Facility Information](#) | [Refrigeration System](#) | [ALD System](#) | [Leak Insp. & Service](#) | **[File Annual Report](#)** | [Annual Fee Payment](#) | [Analytics](#)

[Help for this Page](#)

Annual Report Listing For "kbwebinar 2014 facility 1"

Year	Facility Name	Date of Filing	Status	Action
2013	kbwebinar 2014 facility 1		Pending	
2012	kbwebinar 2014 facility 1	11/20/2014	Filed	
2011	kbwebinar 2014 facility 1	11/20/2014	Filed	

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Annual Reports (page 1)



File Reports For "Cooley Plant"

Year Of Filing : 2013

Did you own this facility on Jan 01 of year of filing? Yes No

Use the following links to be sure the data being submitted is correct. A check in each check box is your certification that it is correct.

- Verify Company Information
- Verify Facility Information
- Verify Refrigeration System Information
- Verify Automatic Leak Detection System Information (if applicable)
- Verify Servicing & Leak Repair Information

Verification

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

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
R-22 - HCFC-22	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="checkbox"/>

For registered refrigeration systems complete the data fields below, if none enter 0

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

Comment :

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Annual Reports (page 2)



File Reports

Year Of Filing: 2012

Company Profile

Company Name: Webcor 2013 Federal Tax ID: *****213

Contact Person Information

Salutation: Dr First Name: Dan Last Name: Brown
 Position: CEO Phone: 9163221110
 Email: kbrown@web.com

Address Information

Mailing Address: 10011 St, Mailing City: Sacramento, Mailing State: CA, Mailing Zip: 95814
 Billing Address: 10011 St, Billing City: Sacramento, Billing State: CA, Billing Zip: 95814

Facility Profile

- Refrigeration System Listing
- Leak detection system
- Refrigeration System Servicing

Type	Total Purchased (lbs.)	Total Charged (lbs.)	Total Recovered (lbs.)	Total Stored (lbs.)	Total Shipped (lbs.) for Reclamation or Destruction
R-134a	200.00	170.00	80.00	230.00	80.00

Confidentiality Statement

Important Notice: Public Disclosure of Submitted Information

All information provided to ARD will be part of a public record and subject to public disclosure unless the person submitting the information asserts a claim of confidentiality by selecting "Yes" below and providing the necessary descriptions of the data and basis for its confidentiality. By selecting "Yes," you are asserting that your submission contains information that is trade secret or that it otherwise contains information that is not public information under California law. Selecting "Yes" does not prevent ARD from releasing some of the information that you are submitting without further notice to you, even with your claim of confidentiality. ARD will release emissions data (which are public) under Do you claim any of this information is confidential under California law? Yes No

Confidentiality claim

Certification of the Submitter

Important Notice: Confidentiality of Submitted Information

By submitting my electronic signature via the Air Resources Board's Refrigerant Management Program reporting tool, I hereby certify that the report has been prepared in accordance with the sections 93302-93310, title 17, California Code of Regulations, and that the statements and information contained in the report are true, accurate, and complete. As a User, I agree that documents submitted with electronic signatures, when received in any digital ink, or any other electronic format approved by ARD, will be considered valid for verification. I am aware that there are significant penalties for submitting false statements and information or violating required statements and information.

I accept Terms and Conditions

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Annual Fee Payment





California Environmental Protection Agency
Air Resources Board

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[R3 Home](#) | [Registration](#) | [Annual Reporting](#) | [Payments](#) | [Reports](#) | [Inspection](#)

[Home](#) > [Facility](#) > Webinar 2013 Facility 1 Logged in as: Ken Bowers
(Company Admin)
(Webinar 2013)

Facility Information
Refrigeration System
ALD System
Leak insp. & Service
File Annual Report
Annual Fee Payment

Edit Facility Details [Edit Info](#)

Company Name : *

Facility Name : *

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Annual Fee Payment



Search by Facility/Company Name : [Advanced Search](#) [Q Search](#) [Reset Search](#)

Facilities whose largest system is a Medium System (200 pounds or more, but less than 2,000 pounds of refrigerant charge) are not required to pay fees or file an Annual Report until 2014. Facilities whose largest system is a Small System (more than 50 pounds, but less than 200 pounds of refrigerant charge) are not required to pay fees or file an Annual Report. Facilities with Small Systems as their largest refrigeration system will be required to register by 2016.
 Please make checks payable to : Air Resources Board. Mail payments, along with the payment stub from the invoice to: Air Resources Board,Attn: Accounting, P.O. Box 1436, 1001 I Street 20th Floor, Sacramento, CA 95812-1436.

Facility Listing 1 Record(s) Found

<input type="checkbox"/>	Facility Name	City	Responsibility	System Type	Annual Report	Invoice No.	Status
<input checked="" type="checkbox"/>	WEB002-001 (Webinar 2013 Facility 1)	Sacramento	Company	Large	Yes	--	--

« Previous Next »

[Make Payment](#)

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Annual Fee Payment



Payment Details

Company Name : Webinar 2013
 Address : 1001 I St Sacramento CA 95814

#	Facility Name	Amount Due(\$)	Previous Due(\$)	Exemption	Fee Exemption (\$)	Total (\$)
1.	WEB002-001 (Webinar 2013 Facility 1)	370.00	0.00	Claim	0.00	370.00

Total Payment Due: (\$) 370.00

Note: Invoice once generated cannot be cancelled.

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Annual Fee Payment



Checkout

Invoice # : 100035
 Company Name : Webinar 2013
 Address : 1001 I St Sacramento CA 95814

Invoice Date : 10/16/2013
 Payment for Year : 2012
 Payment Status : Pending

#	Facility Name	Amount Due(\$)	Previous Due(\$)	Exemption	Fee Exemption (\$)	Total (\$)
1.	WEB002-001 (Webinar 2013 Facility 1)	370.00	0.00	No	0.00	370.00

Total Payment Due: (\$) 370.00

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Payment Invoice



California Environmental Protection Agency
Air Resources Board
 Phone: (916) 324-2517
 Email: reftrackinfo@arb.ca.gov

Print Close



Invoice Detail

Invoice No: 100035
Invoice For Year: 2012
ARB REFERENCE CODE: RMP
Dated: 10/16/2013

#	Facility Name	Amount Due(\$)	Previous Due(\$)	Exemption	Total (\$)
1	WEB002-001 (Webinar 2013 Facility 1)	370.00	0.00	0	370.00
A) TOTAL CHARGES					370.00
B) PREVIOUS BALANCE					0.00
C) TOTAL DUE (A+B)					\$370.00

Please detach and return with your payment.
 *Checks should be made payable to the California Air Resources Board.
 If required for your company records, the CARB Federal Tax ID is 68-0288069.*



California Environmental Protection Agency
Air Resources Board
 Phone: (916) 324-2517
 Email: reftrackinfo@arb.ca.gov

Print Close



Payment Stub

Invoice No: 100035
Invoice For Year: 2012
ARB REFERENCE CODE: RMP
Dated: 10/16/2013

Air Resources Board
 Attn: Accounting
 P.O. Box 1436
 1001 I St., Floor 20
 Sacramento, CA 95812-1436

Address
to send
payment

PAY THIS AMOUNT

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Annual Fee Payment



Checkout

Invoice # : 100035

Company Name : Webinar 2013

Address : 1001 I St Sacramento CA 95814

Invoice Date : 10/16/2013

Payment for Year : 2012

Payment Status : Pending

#	Facility Name	Amount Due(\$)	Previous Due(\$)	Exemption	Fee Exemption (\$)	Total (\$)
1.	WEB002-001 (Webinar 2013 Facility 1)	370.00	0.00	No	0.00	370.00

Total Payment Due: (\$) 370.00

Print Invoice Pay Now Cancel

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Online Credit Card Payment

SALE

Order Section

Invoice Number:	100035	*
Name On Credit Card:	Company Person	*
Credit Card Number:	4522555555222222	*
Expiration Date(MMY):	1212	*
Amount:	370.00	*
CVV2:	333	*

Billing Address

Company:	My Company
First Name:	Company
Last name:	Person
Address1:	122 Street Address
Address2:	
City:	City
State/Province:	State
Postal Code:	99999
Country:	USA
Phone:	5551212121
Email Address:	c.person@email.com

Process



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Finished!



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Resources



- Website
 - R3 tool website:
www.arb.ca.gov/rmp-r3
 - RMP Program website:
www.arb.ca.gov/rmp
- Hotline
(916) 324-2517
- Email
rmp@arb.ca.gov
- Listserve
Sign up on website

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ARB Contacts



- Ken Bowers
916.323.1510
ken.bowers@arb.ca.gov
- Pamela Gupta
916.327.0604
pamela.gupta@arb.ca.gov

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QUESTIONS?

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