

Online Permitting & Compliance Systems

CLOUD PLATFORM FOR AIR QUALITY REGULATION

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Agenda

Overview

Permit Applications

Permit Renewals

Next Steps

Questions

Mission & Vision

To improve operational efficiency, accessibility of information, and quality of service that the Air District provides to the general public, scientific community and regulated businesses through the implementation of web and mobile technologies.

Current Features

Permit Applications

Annual Updates

Permit Renewals

Asbestos
Renovations &
Demolitions

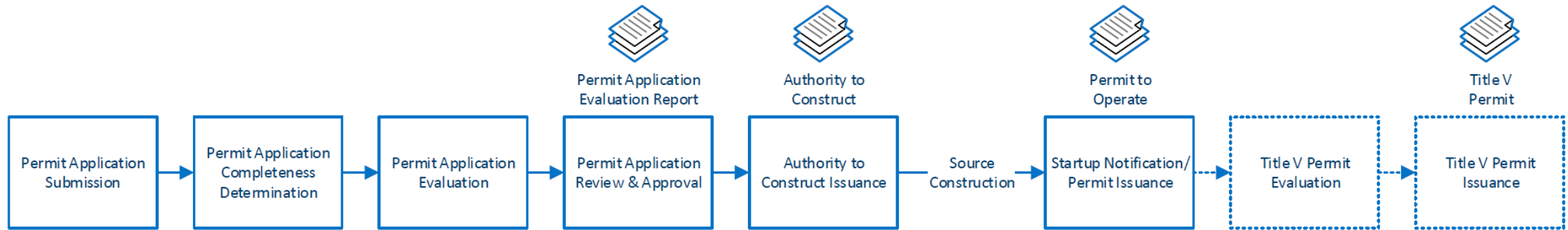
Field Inspections

Complaints

Violations

Permit Applications

Permit Application Overview



- BACT Analysis
- CEQA Analysis (draft EIR or Negative Declaration required to proceed)
- Emission Offsets Analysis
- Major Facility Trigger Analysis (30 day public comment period, optional public hearing & 45 day EPA review period)
- PSD Analysis (30 day public comment period)
- School Notification (30 day public comment period)
- Toxics Analysis

Getting Started

New Users

- Follow account creation process

New Businesses

- Users can create new facilities

Existing Businesses

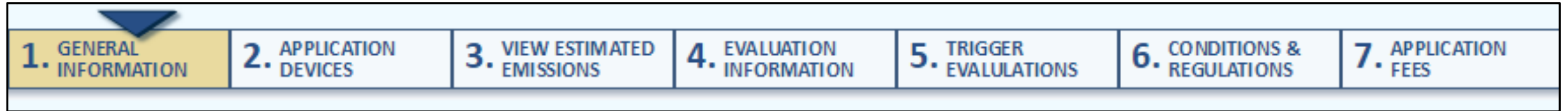
- District provides access codes to link to data

The screenshot shows the Bay Area Air Quality Management District Customer Portal. At the top, there is a navigation bar with the BAAQMD logo and links for ASSISTANCE, EMAIL BAAQMD, and BAAQMD WEBSITE. Below the navigation bar, the page title reads "Welcome to Bay Area Air Quality Management District Customer Portal".

The main content area is divided into two sections:

- LOG IN (for existing customers)**: This section contains two input fields: "Email Address" and "Password". To the right of the "Email Address" field is a "Remember me" checkbox. Below the "Password" field are two links: "Can't access your Email Address? Forgot your Password?". A green "LOG IN ►" button is positioned to the right of the password field.
- SIGN UP to apply for (or renew) the following:**: This section features three icons representing different services: "PERMIT/REGISTRATION", "SUBMIT UPDATE & RENEW", and "ASBESTOS JOB NOTIFICATION". Below these icons is a link "Don't have an account?" and a green "SIGN UP NOW" button.

Application Navigation



All applications follow the same process

Key Evaluation Features

Device Forms

Emission Calculations

Environmental Trigger Evaluations

Regulation/Condition Assignment

Fee Calculations

Online Payment

APPLICATION EMISSIONS ESTIMATE		DEVICE EMISSIONS ESTIMATE		APPLICATION CONTRIBUTION TO FACILITY EMISSIONS ?			ANNUAL EMISSIONS ?			
		PERCENT DECREASE		PERCENT INCREASE		Current Permitted Emissions	Application Emissions	Projected Permitted Emissions		
		-100%	0%	+100%						
Particulates ?			New!		0 Tons	0.00032049 Tons	0.00032049 Tons			
+ Toxic Carcinogens ?			New!		0 Lbs.	0.64097 Lbs.	0.64097 Lbs.			
+ Toxic - Other Health Effects ?			New!		0 Lbs.	0.64097 Lbs.	0.64097 Lbs.			
Particulates PM 10 ?			New!		0 Lbs.	0.64097 Lbs.	0.64097 Lbs.			
Particulates PM 2.5 ?			New!		0 Lbs.	0.64097 Lbs.	0.64097 Lbs.			
Nitrogen Oxides ?			New!		0 Tons	0.0099101 Tons	0.0099101 Tons			
+ Greenhouse Gases ?			New!		0 Tons	1.8159 Tons	1.8159 Tons			
Sulfur Dioxide ?			New!		0 Tons	0.000019663 Tons	0.000019663 Tons			
Carbon Monoxide ?			New!		0 Tons	0.0024037 Tons	0.0024037 Tons			
Organics ?			New!		0 Tons	0.00052079 Tons	0.00052079 Tons			
Precursor Organic Compounds ?			New!		0 Tons	0.00052079 Tons	0.00052079 Tons			
		-100%	0%	+100%						

EMISSIONS LOWERED BY APPLICATION CONTRIBUTION EMISSIONS RAISED BY APPLICATION CONTRIBUTION

Dynamic Source Forms

TEST INTERNAL COMBUSTION ENGINE

1. DEVICE INFORMATION 2. MATERIAL USAGE 3. EMISSION TRAIN INFORMATION 4. DEVICE OR OPERATION LOCATION

DEVICE INFORMATION

Device or Operation Name: Initial or Proposed Date of Operation:

Device or Operation Description: (optional)

MANUFACTURER INFORMATION

Equipment Manufacturer (Make)

Equipment Model

INTERNAL COMBUSTION ENGINE TYPE

Select the type of Internal Combustion Engine: (Please select the primary type)

Emergency Standby Limited Use (Diesel Only) Prime

OPERATING SCHEDULE

Continuous Max. hrs/day: Typical hrs/day: Days/week: Weeks/year:

ADDITIONAL INFORMATION Additional Information Instructions

Enter EPA/CARB Engine Family Name EPA/CARB Engine Family Name

If you selected "Choose Other" above, please describe the EPA/CARB Engine Family Name Other EPA/CARB Engine Family Name

Enter the Engine Model Year Engine Model Year

Enter the Serial Number (Required before Start-up date) Serial Number (Required before Start-up date)

Fuel Type Used: Diesel fuel Material Name: Diesel fuel Maximum Annual Usage: 50 Usage Units: Hours

Maximum Fuel Use Rate: 10 Usage Units: gallons/hr

Please attach a copy of your documentation here. The file needs to be under 15 MB in size.

EMISSION FACTORS (Default values will be used unless other values are specified.)

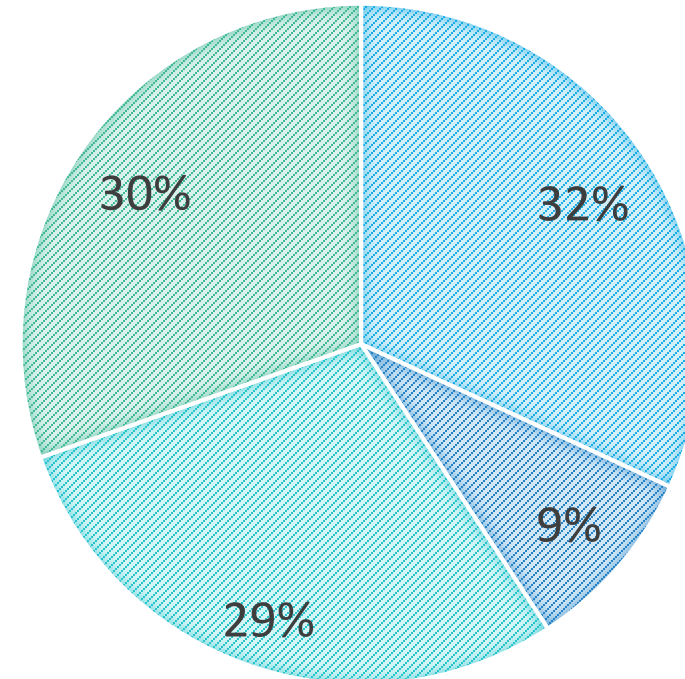
POLLUTANT NAME	DEFAULT VALUES	EMISSION FACTOR	UNITS	BASIS	DOES THE EMISSION FACTOR APPLY AFTER ABATEMENT?
Diesel Engine Exhaust	<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
Particulate Matter	<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
Nitrous Oxide (N2O)	<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
Nitrogen Oxides (NOx)	<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
Sulfur Dioxide (SO2)	<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
Carbon Monoxide (CO)	<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
Carbon Dioxide, non-biogenic CO2	<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
Methane (CH4)	<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No
Precursor Organic Compounds (POC)	<input checked="" type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="radio"/> Yes <input type="radio"/> No

Please select the exact location of your device or operation.

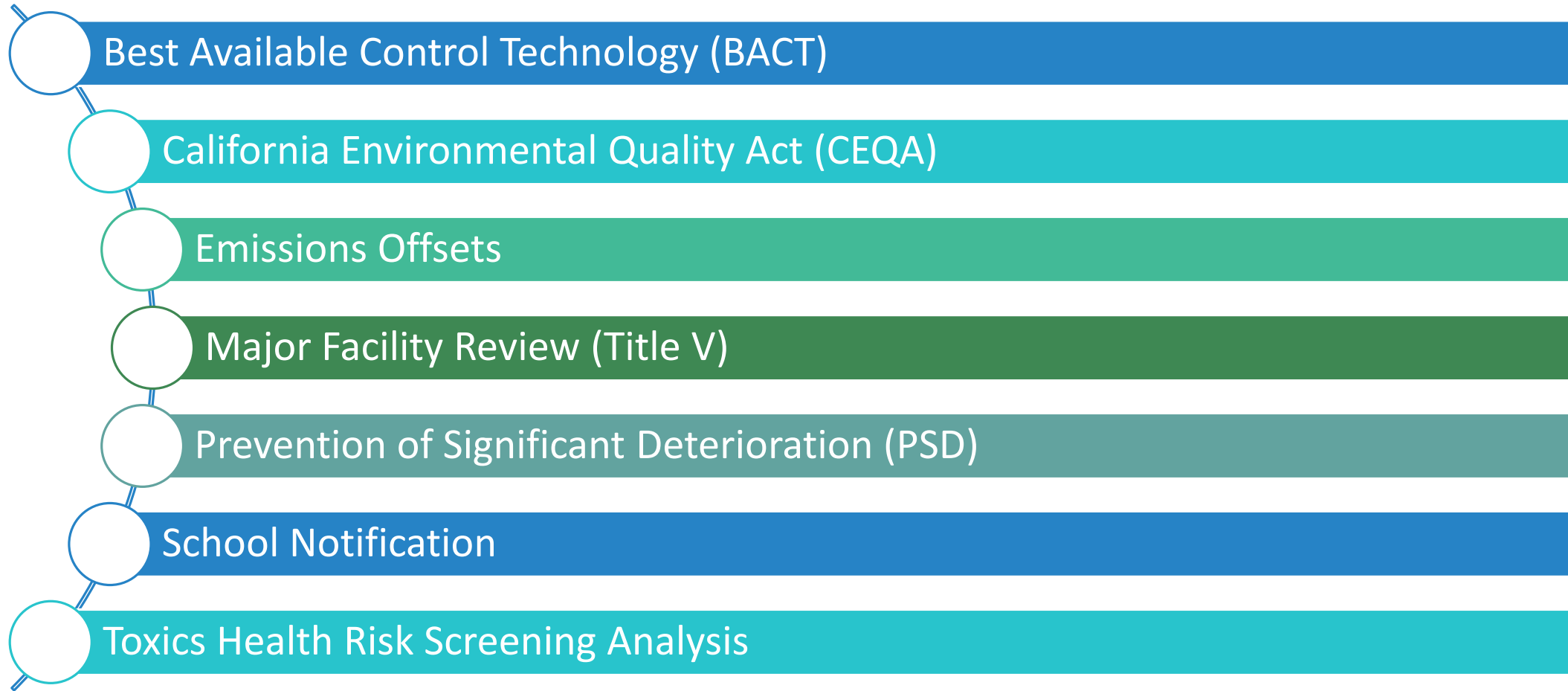
Source Category Coverage to Date

Emission Control Devices	Agricultural Diesel Engines	Auto Body Coating Operations
Char broilers	Dry Cleaning Operations	Emission Points/Area/Volumes
Gasoline Dispensing Operations	Graphic Arts Printing Operations	Internal Combustion Engines
Mobile Refinishing Operations	Small Boilers/Heaters/Steam Generators	Soil/Groundwater Remediation

- Small Businesses (Auto Body, Dry Cleaner & Gas Stations)
- Registered Facilities
- Diesel BUG Only Facilities
- Remaining Facilities



Environmental Trigger Evaluations



Additional Features

Application Status Tracking for Customers

- Submission, Complete, Incomplete, Approved, Cancelled, Withdrawn

Email Notifications for Events

- Application Receipt
- Incomplete Determinations
- Approval

Document Generation & Access

- Invoices
- Permit Application Evaluation Templates
- Authority to Construct Documents
- Permits to Operate
- Exemption Letters

Startup Notification of Sources

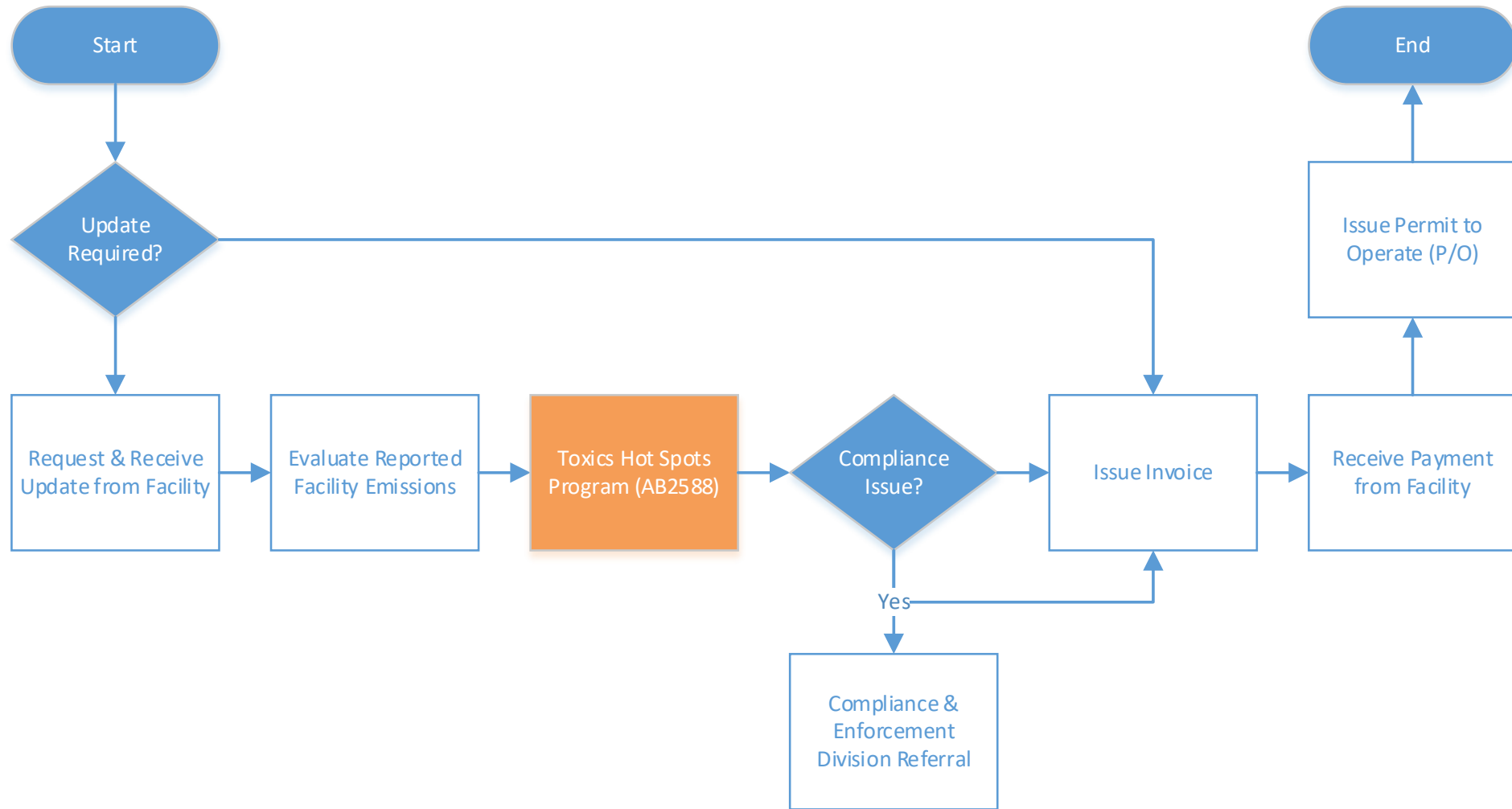
Dashboards & Evaluation Features

- View assigned applications & renewals
- Access information submitted by customers
- Access Facility information
- Keep track of workload
- Submit applications for review and approval



Permit Renewals

Permit Renewal Overview



Annual Updates

- Web-based forms to update throughputs and materials
- Electronic Data Transfer available for larger facilities

UPDATE EMISSIONS FOR ACTIVE PERMITTED DEVICES





UPDATE RECEIVED DATE ?

UPDATE PERIOD (The end date cannot be after today's date nor the permit expiration date.)

Current Start Date:	Current End Date:	Last Reported Update Period:
<input type="text" value="11/30/2013"/>	TO <input type="text" value="11/30/2014"/>	<input type="text" value="11/30/2012 TO 11/30/2013"/> ?

DEVICE EMISSIONS UPDATE LIST

SHOW: ! = more than 50% change from last reported value

Device ID	Device Name	Type	Details	Update Status	Shutdown Device
<input type="checkbox"/>  S1	Gasoline Dispensing Opera...	Gasoline Dispensing Opera...		 Update Complete	 SHUTDOWN DEVICE

MATERIAL USAGE (For 'Current Usage', enter the total amount of the listed material used at/in this device or operation during the update period.)

Material Type	Material Name	Last Reported Usage	Current Usage	Units
Gasoline - Unleaded	<input type="text"/>	<input type="text"/>	<input type="text" value="940000"/>	Gallons

Current Start Date: TO Current End Date:

Last Reported Update Period: ?

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Triggers for Review

Significant Fee
Change

Fees Past Due

Significant
Emissions
Change

AB2588
Inventory
Submitted

Throughput
Exceedance

Material
Change

High Priority
Facility

Source
Shutdown

Permit Renewal Features

System calculates fees and generate invoices

Online payment for customers

Assigning and waiving of late fees

Generate and issue updated permit to operate

BAY AREA AIR QUALITY MANAGEMENT DISTRICT **PERMIT TO OPERATE**

This document does not permit the holder to violate any BAAQMD regulation or any other law. **PERMIT EXPIRATION DATE: July 01, 2015**

Owner Mailing Contact:
Britton's Mini Mart
640 Broadway St
Vallejo, CA 94590-3323
Attn: S & K General Partnership

GASOLINE DISPENSING FACILITY
Contact Telephone : 707-647-2723

Facility ID: 111008
Britton's Mini Mart
640 Broadway St
Vallejo, CA 94590-3323

Owning Entity:
S & K General Partnership

DEVICES

This document serves as your Permit to Operate the following:

S1	Permitted	Schedule [D]	\$1601.76
	Gasoline Dispensing Operation		
	Tank Information: 10000 Gallon Tank w/ Gasoline - unleaded Phase I Vapor Recovery Type: EBW (VR-103) Phase II Vapor Recovery Type: EMCO WHEATON/VST EVR Phase II with Veeder Root Vapor Polisher and Veeder-Root ISD (VR-204)		
	6000 Gallon Tank w/ Gasoline - unleaded Phase I Vapor Recovery Type: EBW (VR-103) Phase II Vapor Recovery Type: EMCO WHEATON/VST EVR Phase II with Veeder Root Vapor Polisher and Veeder-Root ISD (VR-204)		
	10000 Gallon Tank w/ Diesel Fuel Phase I Vapor Recovery Type: None-Exempt Material Phase II Vapor Recovery Type: None-Exempt Material		
	Nozzle Information: 6 Gasoline - Triple Product 2 Gasoline - Single Product 4 Diesel		

The operating parameters described above are based on information supplied by the permit holder and may differ from the limits set forth in the attached conditions of this Permit to Operate. The limits of operation in the permit conditions are not to be exceeded. Exceeding these limits is considered a violation of BAAQMD and is subject to enforcement action.

PERMIT CONDITIONS

The devices described in this document are subject to the following permit conditions:

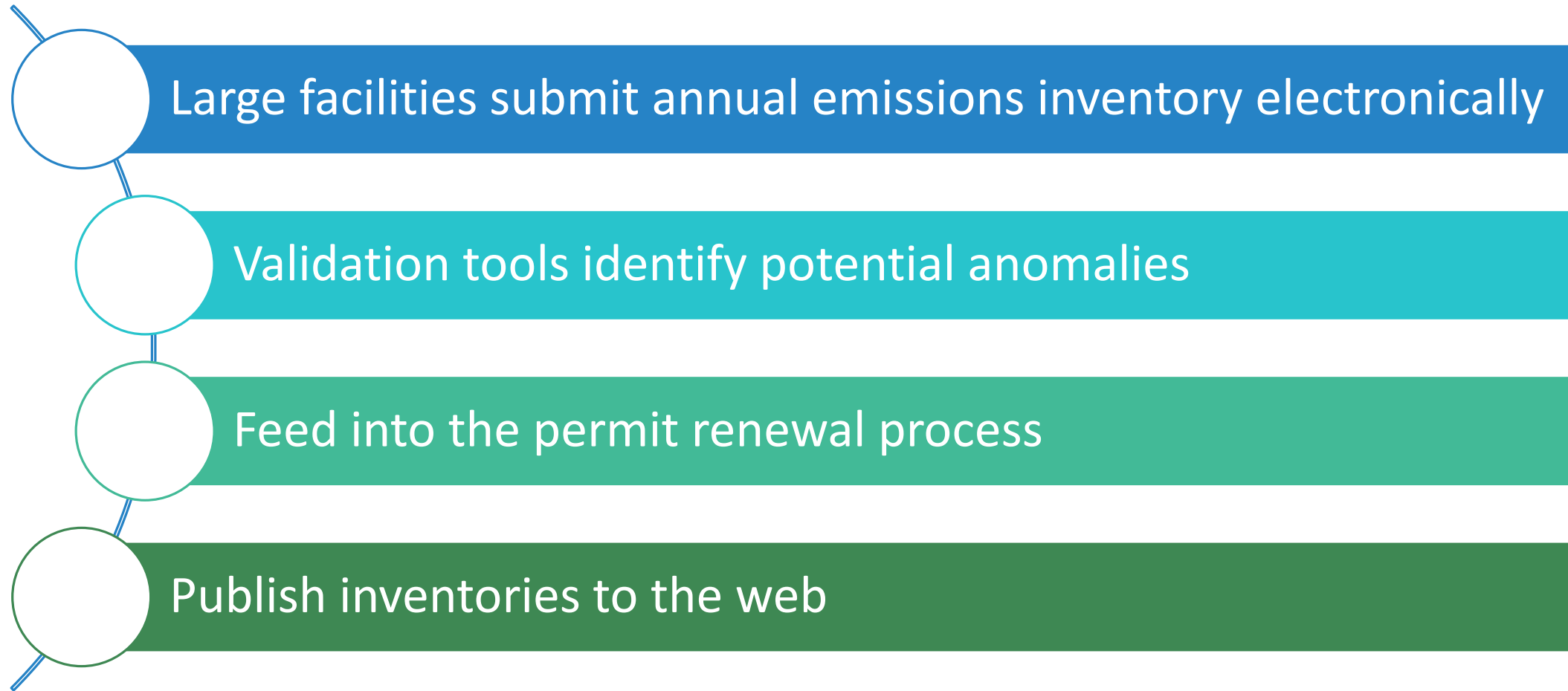
S1 Subject to Condition #: **10200, 21593, 24299**

Condition #: 10200 S1

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FID 111008

Next Steps

Complex Facility Emissions Reporting



Future Features



Title V Permit Applications & Renewals



Emissions Banking



Reportable Compliance
Activities/Deviations



Burn Authorizations

Questions

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