

PERMIT STREAMLINING TASK FORCE SUBCOMMITTEE

MEETING December 16, 2020

1



Permit Streamlining Task Force Subcommittee

December 16, 2020

Agenda



Pending Application Inventory



Pending Permit Application Status Dashboard



Online Tools Development



Permit Processing Handbook

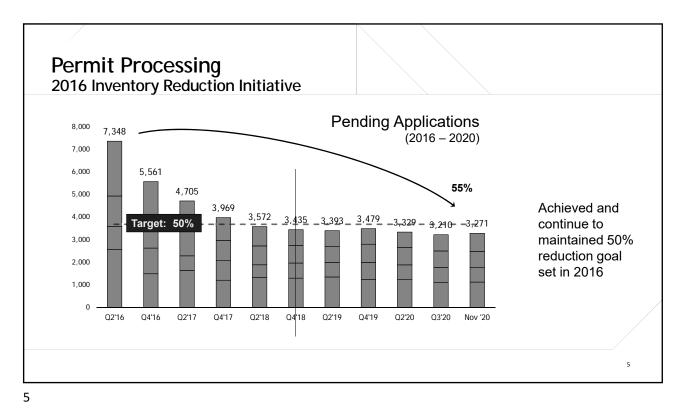


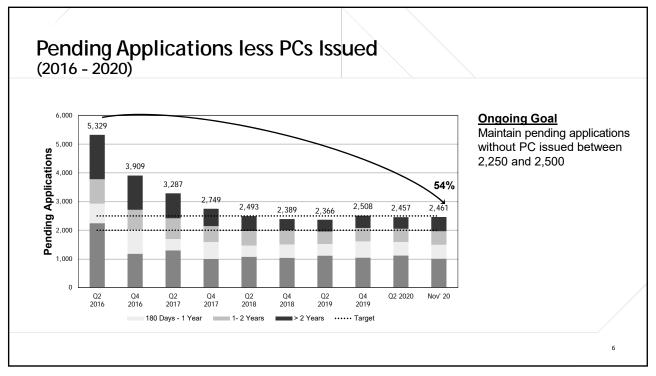
Other Issues and Public Comment

3

3

Pending Application Inventory Update





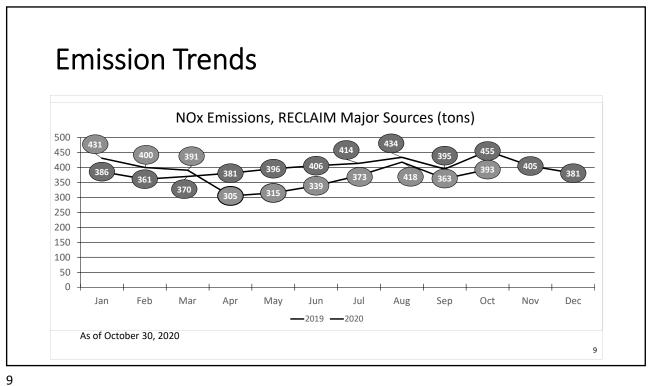
Inventory Management During COVID-19

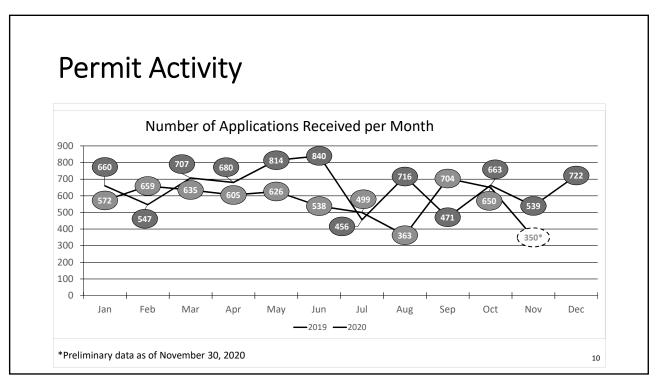
- > 80% Engineering Staff Teleworking
- Increased electronic submittals
 - US Mail routing
 - More electronic payment options
- Closely monitoring incoming applications
- Stay at home impacts:
 - HQ not open to public
 - Field visits
 - Face to face meetings

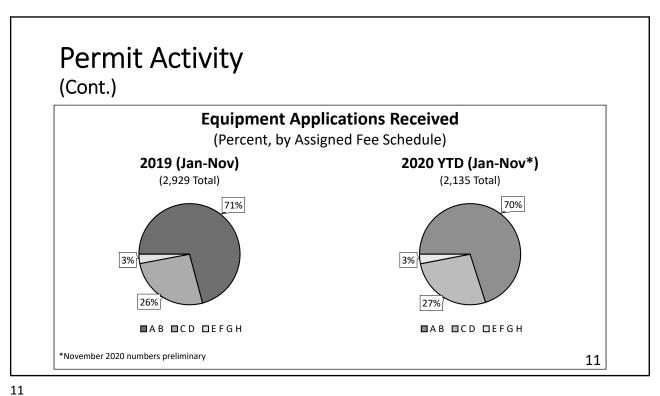


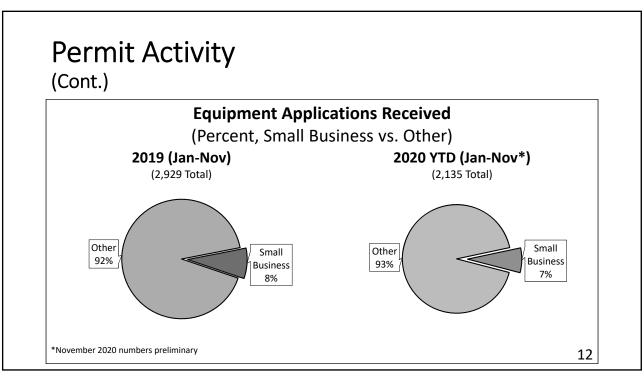
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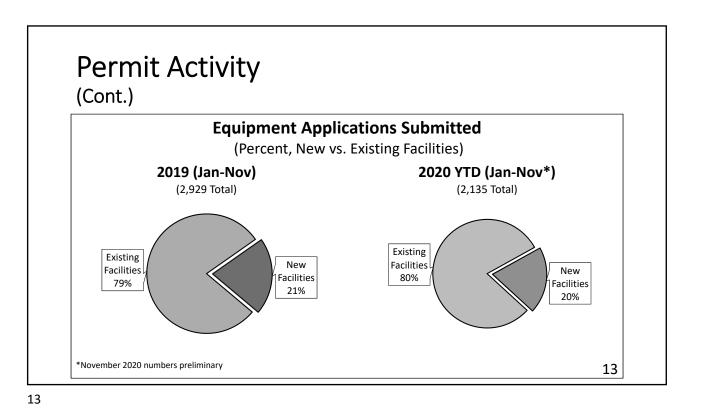
COVID-19 Permit Application Trends











Permit Activity (Cont.) **Equipment Applications Received** (New / Modified / Change of Condition) 2020 YTD (Jan-Nov*) 2019 (Jan-Nov) (2,929 Total) (2,135 Total) 61% 65% 6% 7% 28% 33% ■ New ■ Modified ■ New ■ Modified □ Change of Condition ☐ Change of Condition *November 2020 numbers preliminary 14

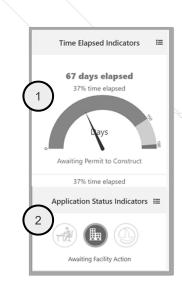


Pending Permit Application Status Dashboard Governing Board initiative to increase transparency Online ability to view status of individual applications Integrate with existing F.I.N.D. application Facility INformation Detail (F.I.N.D.) Facility INformation Detail (F.I.N.D.)

Dashboard Status Indicators

- Two status indicator types:
 - 1. Time elapsed indicator
 - 2. Application status indicators
- Status progress bar:





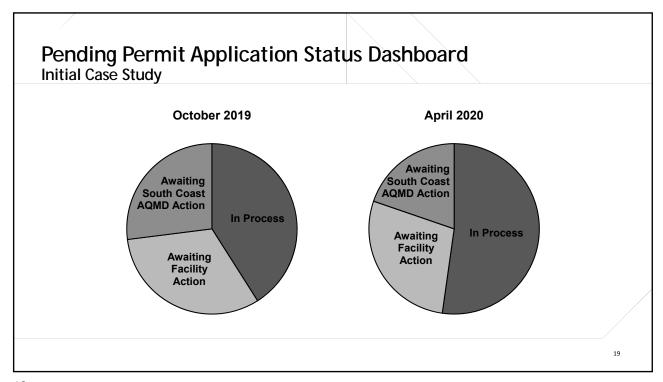
17

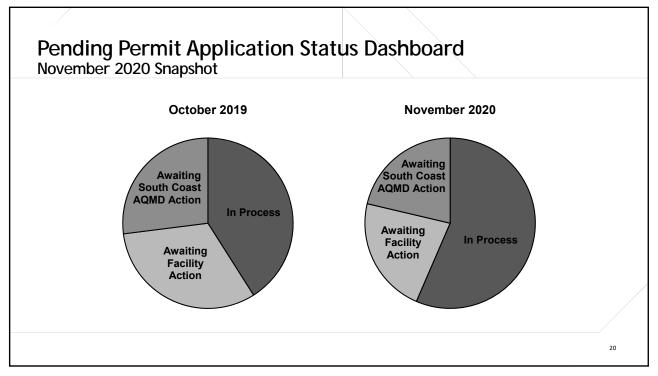
17

Public Participation and Development

- Initial Internal Roll-Out Mid-2018
- Multiple Software Enhancements
- Data Verification
- Launched to Public May 2020

F.I.N.D. https://xappprod.aqmd.gov/find





Pending Application Status Dashboard Initial Observations - Snapshot (October 2019, cont.)

Completeness Determ. (Facility Action)		In Process		Awaiting Facility Action		Awaiting South Coast AQMD Action	
Related App A/I 1	1% Eva	gineering aluation and ministrative ocessing	41%	Compliance Review Draft Public Notice Distr. Conduct Source Test Awaiting Constr.	5% 1% < 1% 6% 3%	Supv/Mgr Review Related App Proc. Source Test Review Policy Review Field Eval Other Agency Rev. Public Notice HRA / Modeling	7% 5% 4% 3% 3% 1% 1% < 1%

21

Pending Permit Application Status Dashboard April 21, 2020 Snapshot

Completeness Determ. (Facility Action)	In Process		Awaiting Facility Action		Awaiting South Coast AQMD Action	
Add. Info. (A/I) Req. Related App A/I Fee Resolution 12% < 1%	Engineering Evaluation and Administrative Processing	52%	Compliance Review Draft Public Notice Distr. Conduct Source Test Awaiting Constr.	1% 1% < 1% 5% 6%	Supv/Mgr Review Related App Proc. Source Test Review Policy Review Field Eval Other Agency Rev. Public Notice HRA / Modeling	8% 3% 1% 1% 1% < 1% < 1%

Pending Permit Application Status Dashboard November 20, 2020 Snapshot

Completeness Determ. (Facility Action)	In Process		Awaiting Facility Action		Awaiting South Coast AQMD Action	
Add. Info. (A/I) Req. 8% Related App A/I < 1% Fee Resolution < 1%	Engineering Evaluation and Administrative Processing	57%	Compliance Review Draft CEQA Conduct Source Test Awaiting Constr.	< 1% < 1% 1% 4% 6%	Supv/Mgr Review Related App Proc. Source Test Review Policy Review Field Eval Other Agency Rev. Public Notice	10% 3% 3% 2% < 1% 2% < 1%

23

Launched

Discussion / Improvement suggestions

Online Filing Update

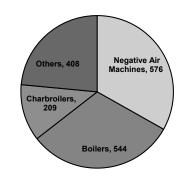
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25

Online Rule 222 Registration

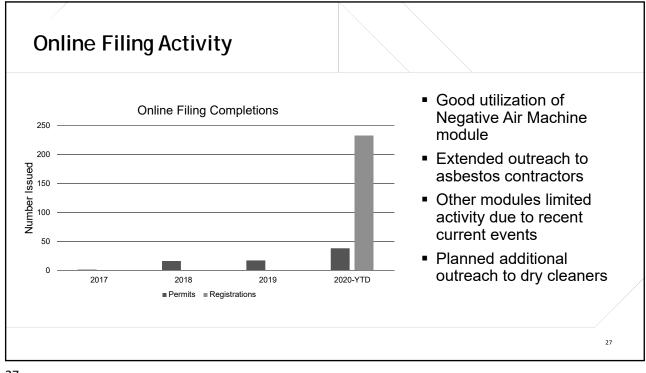
- Three main registered equipment types
 - 222-A, Negative Air Machines (Asbestos)
 - 222-B, Boilers (1-2 mmbtu/hr)
 - 222-C, Commercial Charbroilers
- Represents ~ 80% of R222 Registrations
- Online Filing and Issuance





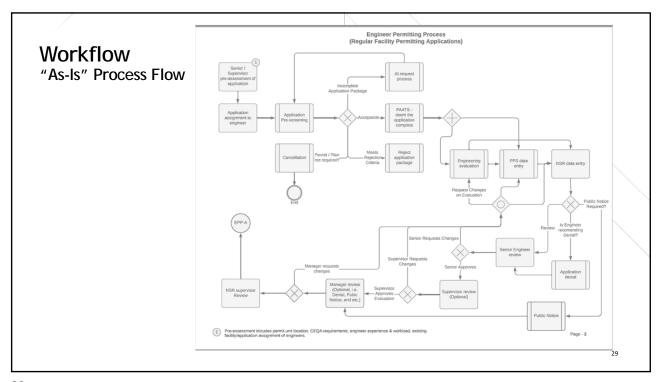
■ Negative Air Machines
■ Boilers
■ Charbroilers
■ Others

26



Development

- New software releases for data cleanup
- Incorporate public notice guideline
- Emergency IC Engine registration in review
- Workflow updates
 - "As is" process review complete
 - Lessons learned in expanded teleworking environment





Updating Permit Processing Handbook

Goals:

- Update handbook to reflect current requirements and practices
- Ensure consistent evaluation of similar equipment and resultant permit requirements
- Primary purpose for internal use for training new staff
 and to promote efficient permit processing and best practices
- Provide public and permit applicants insights to data needs and permit evaluation criteria

31

31

Table of Contents

- A. Introduction
- B. Permitting Authority
- C. Permit Processing Overview
- D. Permit Application Types and Completeness Considerations
- E. Emissions Characterization
- F. Regulatory Requirements- Overview
 - a. Federal and State Requirements
 - b. South Coast AQMD Rules
 - c. Regulatory Considerations
 - d. General Rules
 - e. Source-Specific Rules (Reg XI)

- G. Regulatory Requirements Detailed Review
 - a. Rule 212 Public Notice
 - b. Reg XIII: New Source Review
 - c. Reg XIV: Toxics and Other Non-Criteria Pollutants
- H. Permit Writing Guiding Principles
- I. Permit Evaluation Template

EMISSION SOURCE CHAPTERS

Equipment and Process Categories

Control Equipment

Progress

Commitment

- Overview sections
- Five equipment chapters:
 - ✓ Abrasive Blasting
 - ✓ Dry Cleaners
 - ✓ Emergency IC Engines
 - √Gasoline Refueling
 - √Spray Booths

Progress

- Overview sections
- Equipment chapters:
 - ✓ Unconfined Abrasive Blasting
 - ✓ Dry Cleaners
 - √ Gasoline Service Stations
 - ✓ Spray Enclosure Fundamentals
 - ✓ Spray Enclosure Special Cases

33

33

Sample chapters (Gasoline Service Stations)

Gasoline Service Stations	2020
Table of Contents	
1.1 General Description	1
1.2 Process and Control Equipment	2
1.2.1 Equipment Description	6
1.3 Emission Factors	8
1.4 Calculations	9
1.4.1 Operational Data	9
1.4.2 Emissions Calculations	10
1.4.3 Rule 1401 Calculations	10
1.5 Rules Evaluation	13
1.6 Policy Documents	16
1.7 Permit Operating Conditions	16
1.8 References	48
Sample Evaluation	49

Gasoline Service Stations	

Figure 1-1. Phase I and Phase II Fuel Transfer

ist of Tables	
able 1-1. Gasoline Service Station Emission Factors	

List of Figures

Figure 1-2. Phase II EVR and ORVR Control	5
Figure 1-3. Sample MICR Calculation (Throughput = 300,000 gallons/mont	h)11
Figure 1-4. Example MICR ₇₀ Table in Cancer Burden Tool	12
Figure 1-5. Cancer Burden Tool	12
Figure 1-6. Cancer Burden Tool	13

34

Sample chapters (Gasoline Service Stations, cont.)

EMISSION FACTORS:

The hydrocarbon and benzene emissions from storage tank filling and motor vehicle refueling operations are estimated by using appropriate emission factors summarized in the following table. These emission factors were developed by District's Planning staff.

I. Emission Factors and Control Efficiencies

The following table summarizes the uncontrolled ROG emission factors in pounds per 1,000 gallons of gasoline throughput, benzene, ethylbenzene, and naphthalene content of gasoline and control efficiencies.

Emission Factors and Control Efficiencies for Underground Tanks

	Loading	Breathing	Refueling	Hose Permeation	Spillage (a)
	•	ROG (b)		
Uncontrolled ROG Emission Factors (lbs/1000 gallons)	7.70	0.76	8.4	0.009	0.24 (a)
Control Efficiency	98%	96.8%	96.2%	0%	0%
Controlled ROG Emission Factors (lbs/1000 gallons)	0.15	0.024	0.32	0.009	0.24
	Toxic Air 0	Contaminants (TACs), weigh	1 % (c)	
Benzene	0.455%	0.455%	0.455%	0.455%	0.707%
Emission Factors (lbs/1000 gallons)	0.000683	0.000109	0.00146	0.000041	0.0017
Ethylbenzene Emission Factors	0.107% 0.000161	0.107% 0.0000257	0.107% 0.000342	0.107% 0.00000963	1.29% 0.0031

PROCESS DESCRIPTION:

The gasoline storage and dispensing facility is used to store and dispense three different grades of gasoline. This facility is equipped with CARB certified Phase I and Phase II vapor controls, which comples with Rule 461. Furthermore, these vapor controls are considered to be T-BACT, which comples with Rule 1401. Finally, the project will not result in a net emission increase and thus will comply with Reg. XIII.

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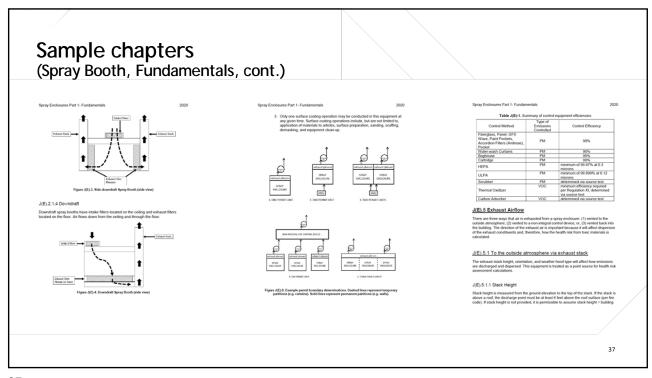
35

35

Sample chapters (Spray Booth, Fundamentals)

Table of Contents
481.1 Introduction y Services
481.1 Introduction y Services
481.1 Introduction of Services
481.2 11 Introduction of Services
481.2 11 Introduction of Services Order, Services devandant, Side-doundant, Services Order, Order, Services Order, Services Order, Services Order, Ord | A(E) 6.12 Coloration | 16 |
A(E) 5.13 Western Felocids	16
A(E) 5.10 is non-elegatic control device	16
A(E) 5.20 is non-elegatic control device	16
A(E) 5.20 is non-elegatic control device	16
A(E) 5.20 is non-elegatic control device	16
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List of Tables



Next Steps

Early 2021

- Confined Abrasive Blasting
- Dry Particulate Controls
- Crematories
- Emergency IC Engines

Additional Chapters

- Boilers, SCRs
- Petroleum Storage Tanks
- Asphalt, Concrete Batch Plants
- Lead Melting
- IC Engines
- Printing Operations
- RTOs, Refinery Flares, Bulk Loading/Unloading
- Carbon Adsorbers

Feedback

- Volunteers to review and provide feedback on:
 - Gasoline dispensing facilities
 - Spray booth
- Type of feedback
 - Level of detail
 - Format / readability
 - Clarification points
 - Additional supporting references / citations

39

39

Other Business

