Permit Streamlining Task Force Subcommittee

December 16, 2021
Agenda

Pending Application Inventory

Rule 1109.1 Implementation

Pending Permit Application Status Dashboard

Online Tools Development

Other Issues and Public Comment
Pending Application
Inventory Update
Resource Update

Staffing
- Hired 13 new Air Quality Engineers in fourth quarter
  - Use of Permit Processing Handbook
- CY 2021 - 13 promotions; three retirements
- Anticipated continued turnover due to pending retirement
- Continuing assessment of staffing needs

Headwinds
- Continued COVID impacts
- AB617 support
  - Landing rule implementation
  - RECLAIM sunset
  - CERP support
- New Source Review amendment
COVID-19 Impact Update

- Reviewing return to office
- Hybrid meetings
- CPP
- Focus on flexibility
Permit Processing
2016 Inventory Reduction Initiative

Pending Applications
(2016 - 2021)

Achieved and continue to maintain 50% reduction goal set in 2016
Pending Applications less PCs Issued
(2016 - 2021)

<table>
<thead>
<tr>
<th>Quarter</th>
<th>&lt;=180 Days</th>
<th>180 Days - 1 Year</th>
<th>1-2 Years</th>
<th>&gt;2 Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q4'16</td>
<td>3,909</td>
<td>2,749</td>
<td>2,493</td>
<td>2,493</td>
</tr>
<tr>
<td>Q2'17</td>
<td>3,287</td>
<td>2,493</td>
<td>2,389</td>
<td>2,389</td>
</tr>
<tr>
<td>Q4'17</td>
<td>2,749</td>
<td>2,366</td>
<td>2,508</td>
<td>2,508</td>
</tr>
<tr>
<td>Q2'18</td>
<td>2,493</td>
<td>2,389</td>
<td>2,508</td>
<td>2,508</td>
</tr>
<tr>
<td>Q4'18</td>
<td>2,389</td>
<td>2,366</td>
<td>2,508</td>
<td>2,508</td>
</tr>
<tr>
<td>Q2'19</td>
<td>2,366</td>
<td>2,389</td>
<td>2,508</td>
<td>2,508</td>
</tr>
<tr>
<td>Q4'19</td>
<td>2,389</td>
<td>2,366</td>
<td>2,508</td>
<td>2,508</td>
</tr>
<tr>
<td>Q2'20</td>
<td>2,366</td>
<td>2,389</td>
<td>2,508</td>
<td>2,508</td>
</tr>
<tr>
<td>Q4'20</td>
<td>2,389</td>
<td>2,366</td>
<td>2,508</td>
<td>2,508</td>
</tr>
<tr>
<td>Q2'21</td>
<td>2,366</td>
<td>2,389</td>
<td>2,508</td>
<td>2,508</td>
</tr>
<tr>
<td>Q4'21</td>
<td>2,389</td>
<td>2,366</td>
<td>2,508</td>
<td>2,508</td>
</tr>
<tr>
<td>Q2'22</td>
<td>2,366</td>
<td>2,389</td>
<td>2,508</td>
<td>2,508</td>
</tr>
<tr>
<td>Q4'22</td>
<td>2,389</td>
<td>2,366</td>
<td>2,508</td>
<td>2,508</td>
</tr>
<tr>
<td>Q2'23</td>
<td>2,366</td>
<td>2,389</td>
<td>2,508</td>
<td>2,508</td>
</tr>
<tr>
<td>Q4'23</td>
<td>2,389</td>
<td>2,366</td>
<td>2,508</td>
<td>2,508</td>
</tr>
<tr>
<td>Q2'24</td>
<td>2,366</td>
<td>2,389</td>
<td>2,508</td>
<td>2,508</td>
</tr>
<tr>
<td>Q4'24</td>
<td>2,389</td>
<td>2,366</td>
<td>2,508</td>
<td>2,508</td>
</tr>
<tr>
<td>Q2'25</td>
<td>2,366</td>
<td>2,389</td>
<td>2,508</td>
<td>2,508</td>
</tr>
<tr>
<td>Q4'25</td>
<td>2,389</td>
<td>2,366</td>
<td>2,508</td>
<td>2,508</td>
</tr>
<tr>
<td>Q2'26</td>
<td>2,366</td>
<td>2,389</td>
<td>2,508</td>
<td>2,508</td>
</tr>
<tr>
<td>Q4'26</td>
<td>2,389</td>
<td>2,366</td>
<td>2,508</td>
<td>2,508</td>
</tr>
<tr>
<td>Q2'27</td>
<td>2,366</td>
<td>2,389</td>
<td>2,508</td>
<td>2,508</td>
</tr>
<tr>
<td>Q4'27</td>
<td>2,389</td>
<td>2,366</td>
<td>2,508</td>
<td>2,508</td>
</tr>
<tr>
<td>Q2'28</td>
<td>2,366</td>
<td>2,389</td>
<td>2,508</td>
<td>2,508</td>
</tr>
<tr>
<td>Q4'28</td>
<td>2,389</td>
<td>2,366</td>
<td>2,508</td>
<td>2,508</td>
</tr>
<tr>
<td>Q2'29</td>
<td>2,366</td>
<td>2,389</td>
<td>2,508</td>
<td>2,508</td>
</tr>
<tr>
<td>Q4'29</td>
<td>2,389</td>
<td>2,366</td>
<td>2,508</td>
<td>2,508</td>
</tr>
<tr>
<td>Q2'30</td>
<td>2,366</td>
<td>2,389</td>
<td>2,508</td>
<td>2,508</td>
</tr>
<tr>
<td>Q4'30</td>
<td>2,389</td>
<td>2,366</td>
<td>2,508</td>
<td>2,508</td>
</tr>
<tr>
<td>Q2'31</td>
<td>2,366</td>
<td>2,389</td>
<td>2,508</td>
<td>2,508</td>
</tr>
<tr>
<td>Q4'31</td>
<td>2,389</td>
<td>2,366</td>
<td>2,508</td>
<td>2,508</td>
</tr>
<tr>
<td>Q2'32</td>
<td>2,366</td>
<td>2,389</td>
<td>2,508</td>
<td>2,508</td>
</tr>
<tr>
<td>Q4'32</td>
<td>2,389</td>
<td>2,366</td>
<td>2,508</td>
<td>2,508</td>
</tr>
<tr>
<td>Q2'33</td>
<td>2,366</td>
<td>2,389</td>
<td>2,508</td>
<td>2,508</td>
</tr>
<tr>
<td>Q4'33</td>
<td>2,389</td>
<td>2,366</td>
<td>2,508</td>
<td>2,508</td>
</tr>
</tbody>
</table>

Ongoing Goal
Maintain pending applications without PC issued between 2,250 and 2,500
COVID-19 Permit Application Trends
Permit Activity

Number of Applications Received Per Month
(2019 - 2021)

*November Data Preliminary
Permit Activity

Equipment Applications Received
(Percent, By Assigned Fee Schedule)

2020 (Jan - Nov)
(2,343 Total)

- AB: 3%
- CD: 27%
- EFGH: 70%

2021 YTD (Jan - Nov*)
(2,279 Total)

- AB: 3%
- CD: 29%
- EFGH: 68%

*November 2021 Data Preliminary
Equipment Applications Received
(Percent, Small Business vs. Others)

2020 (Jan - Nov)
(2,343 Total)
- Small Business: 8%
- Other: 92%

2021 YTD (Jan - Nov*)
(2,279 Total)
- Small Business: 6%
- Other: 94%

*November 2021 Data Preliminary
Permit Activity

Equipment Applications Received
(Percent, New vs. Existing Facilities)

2020 (Jan - Nov)
(2,343 Total)

- New Facilities: 20%
- Existing Facilities: 80%

2021 YTD (Jan - Nov*)
(2,279 Total)

- New Facilities: 22%
- Existing Facilities: 78%

*November 2021 Data Preliminary
Rule 1109.1
Implementation
Board adopted Rule 1109.1 on November 5, 2021

Rule 1109.1 sets BARCT NOx standards for nearly 300 units at refineries and facilities with operations related to refineries

Unlike RECLAIM, Rule 1109.1 does NOT allow facilities to purchase RECLAIM Trading Credits to meet emission reduction requirements

Allows for two alternative compliance pathways for facilities with six or more pieces of equipment:

- B-Plan or B-Cap

At full implementation, Rule 1109.1 will significantly reduce NOx emissions:

- 7.7 to 7.9 tons per day (tpd) reduced
- Approximately 75% of the emission reductions by 2027
Rule 1109.1 facilities represent 62% of the NOx emissions in RECLAIM.

NOx Emissions from large boilers and heaters (≥40 MMBtu/hour) represent 57% of the emissions from Rule 1109.1 combustion equipment.
### Rule 1109.1 Core Requirements

- Operators must meet NOx limits in Table 1
- If the conditional requirements can be met, operators can meet Table 2 “conditional NOx limits” in lieu of Table 1 limits
- Conditional NOx limits were developed to acknowledge achieving Table 1 NOx limits for some units have:
  - A high cost-effectiveness due to high capital cost and/or low emission reduction potential
- Incorporating the conditional NOx limits reduced the average cost-effectiveness to near or below $50,000/ton NOx reduced for each class and category (BARCT)

<table>
<thead>
<tr>
<th>Unit</th>
<th>NOx (ppmv)</th>
<th>CO (ppmv)</th>
<th>O2 Correction (%)</th>
<th>Rolling Averaging Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boilers &lt;40 MMBtu/hour</td>
<td>Pursuant to subparagraphs (d)(2)(A) and (d)(2)(B)</td>
<td>400</td>
<td>3</td>
<td>24-hour</td>
</tr>
<tr>
<td>Boilers ≥40 MMBtu/hour</td>
<td>5</td>
<td>400</td>
<td>3</td>
<td>24-hour</td>
</tr>
<tr>
<td>FCCU</td>
<td>2</td>
<td>500</td>
<td>3</td>
<td>365-day</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td></td>
<td>3</td>
<td>7-day</td>
</tr>
<tr>
<td>Flares</td>
<td>20</td>
<td>400</td>
<td>3</td>
<td>2-hour</td>
</tr>
<tr>
<td>Gas Turbines fueled with Natural Gas</td>
<td>2</td>
<td>130</td>
<td>15</td>
<td>24-hour</td>
</tr>
<tr>
<td>Gas Turbines fueled with Gaseous Fuel other than Natural Gas</td>
<td>3</td>
<td>130</td>
<td>15</td>
<td>24-hour</td>
</tr>
<tr>
<td>Petroleum Coke Calciner</td>
<td>5</td>
<td>2,000</td>
<td>3</td>
<td>365-day</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td></td>
<td>3</td>
<td>7-day</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unit</th>
<th>NOx (ppmv)</th>
<th>CO (ppmv)</th>
<th>O2 Correction (%)</th>
<th>Rolling Averaging Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boilers &gt;110 MMBtu/hour</td>
<td>7.5</td>
<td>400</td>
<td>3</td>
<td>24-hour</td>
</tr>
<tr>
<td>FCCUs</td>
<td>8</td>
<td>500</td>
<td>3</td>
<td>365-day</td>
</tr>
<tr>
<td>SRUT/TG Incinerators</td>
<td>16</td>
<td></td>
<td></td>
<td>7-day</td>
</tr>
<tr>
<td>Gas Turbines fueled with Natural Gas</td>
<td>2.5</td>
<td>130</td>
<td>15</td>
<td>24-hour</td>
</tr>
<tr>
<td>Process Heaters &gt;40 – ≤110 MMBtu/hour</td>
<td>18</td>
<td>400</td>
<td>3</td>
<td>24-hour</td>
</tr>
<tr>
<td>Process Heaters &gt;110 MMBtu/hour</td>
<td>22</td>
<td>400</td>
<td>3</td>
<td>24-hour</td>
</tr>
<tr>
<td>SMR Heaters</td>
<td>7.5</td>
<td>400</td>
<td>3</td>
<td>24-hour</td>
</tr>
<tr>
<td>Vapor Incinerators</td>
<td>40</td>
<td>400</td>
<td>3</td>
<td>24-hour</td>
</tr>
</tbody>
</table>
Rule 1109.1 Implementation Considerations

- Refineries competing for same pool of skilled labor, equipment manufacturers, source testing companies, etc.
- Integrating projects in refinery turnaround schedules minimizes fuel supply disruptions
- Most turnaround schedules are 3 to 5 years, a few are 9 to 10 years
- ~90 new or upgraded selective catalytic reduction (SCR) projects
- SCR projects customized and require complex engineering
- Challenging to integrate within existing facility structure
- Capital costs for each project $10 to $70 million
- Cost per petroleum refinery ranges from $179 million to $1 billion
Streamlining Plan Review

- Facility Baseline Document
  - To minimize any discrepancies or delays in plan approvals, staff prepared a list of affected equipment and their associated emissions
    - Data was reviewed, verified, and agreed upon by facilities
    - List was approved by Board as part of Resolution on November 5, 2021
    - Facilities have 30 days from approval to request a change to any value
  - To assist facilities in developing the compliance plans, staff is developing a guidance document
    - Will ensure uniformity and streamline the review and approval process
B-Plan and B-CAP Emission Target Overview

Aggregate NOx concentration limits must meet Emission Target

Facility-wide emissions must meet Emission Target + 10% Environmental Benefit

Emission Targets for all facilities based on NOx limits in Table 1 and Table 2

B-Plan and B-Cap are designed to achieve Facility-Specific Emission Targets that are Based on Table 1 and Table 2 NOx Limits
BARCT Equivalent Plan (B-Plan) and BARCT Equivalent Mass Cap Plan (B-Cap) Overview

• The B-Plan and B-Cap would be implemented through the schedule in an approved I-Plan

• B-Plan and B-Cap provides options to achieve BARCT in the aggregate

• Both alternative compliance options requires each unit to have an enforceable permit limit

B-Plan
- B-Plan is a BARCT equivalent concentration plan
- Allows operators to select a NOx concentration limits that are equivalent BARCT in aggregate

B-Cap
- B-Cap is a BARCT equivalent mass cap
- Requires operators to accept a NOx emission limit for each unit
- Allows facilities to take credit for equipment shutdowns and throughput reductions
## Implementation Plan (I-Plan) Overview

<table>
<thead>
<tr>
<th>I-Plan Options</th>
<th>Provision</th>
<th>Phase I</th>
<th>Phase II</th>
<th>Phase III</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Option 1</strong></td>
<td>Targets</td>
<td>80%</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Submit Permit Application</td>
<td>Jan 1, 2023</td>
<td>Jan 1, 2031</td>
<td></td>
</tr>
<tr>
<td><strong>Option 2</strong></td>
<td>Targets</td>
<td>65%</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>B-Plan</td>
<td>Submit Permit Application</td>
<td>July 1, 2024</td>
<td>Jan 1, 2030</td>
<td></td>
</tr>
<tr>
<td><strong>Option 3</strong></td>
<td>Targets</td>
<td>40%</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>B-Plan or</td>
<td>Submit Permit Application</td>
<td>July 1, 2025</td>
<td>July 1, 2029</td>
<td></td>
</tr>
<tr>
<td>B-Cap</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Option 4</strong></td>
<td>Targets</td>
<td>50%</td>
<td>80%</td>
<td>100%</td>
</tr>
<tr>
<td>B-Cap Only</td>
<td>Submit Permit Application</td>
<td>Jan 1, 2024 (Effective Date)</td>
<td>Jan 1, 2025</td>
<td>Jan 1, 2028</td>
</tr>
<tr>
<td><strong>Option 5</strong></td>
<td>Targets</td>
<td>50%</td>
<td>70%</td>
<td>100%</td>
</tr>
<tr>
<td>for B-Plan or</td>
<td>Submit Permit Application</td>
<td>Jan 1, 2023</td>
<td>Jan 1, 2025</td>
<td>July 1, 2028</td>
</tr>
<tr>
<td>Table 1 or 2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- I-Plan is a phased implementation schedule
- Allows operators to tailor the implementation schedule to meet NOx limits to minimize operational disruptions

---

- I-Plan is a phased implementation schedule
- Allows operators to tailor the implementation schedule to meet NOx limits to minimize operational disruptions
Streamlining Plan Review

- Planning staff will review I-Plan, B-Plan, and B-Cap
  - During Rule 1109.1 development, Planning staff met with each facility to discuss the affected equipment, potential implementation schedule and compliance plans
  - Spreadsheet with emission data for each unit subject to Rule 1109.1 was sent to each facility
    - Facilities used data to determine a feasible implementation schedule
  - Planning staff will work with each facility as they develop their plan submissions
  - Plan requirements inserted into permit by E&P and will be made available to the public on the South Coast AQMD website 30 days prior to approval
    - Inquiries handled by planning staff
Rule 1109.1 Applications Overall Timeline

Rule 1109.1 CRITICAL ACTIVITY DEADLINES

- Submit I-Plan Opt 1 for Boiler or Table 1 and 2 limits Phase I (80%) project applications
- Submit I-Plan Opt 4 B-Cap Only Phase II (80%) project applications
- Submit I-Plan Opt 5 B-Plan Only Phase III (100%) project applications
- Submit I-Plan Opt 5 B-Plan Only Phase II (100%) project applications
- Submit I-Plan Opt 2 B-Plan Only Phase I (65%) project applications
- Submit I-Plan Opt 4 B-Cap Only Phase I (50%) project applications
- Submit I-Plan Opt 2 B-Plan Only Phase I (65%) project applications
- Submit I-Plan Opt 5 B-Plan Only Phase II (70%) project applications
- Submit I-Plan Opt 3 B-Cap Only Phase I (40%) project applications
- Submit I-Plan Opt 1 for B-Plan or Table 1 and 2 limits Phase I (80%) project applications
- Submit application for Process Heaters <40 MM BTU/hr (not in an I-Plan) limiting NOx to 40 ppmv
Rule 1109.1 Applications Timeline - First 3-Years (2022-24)

- **2022**
  - Application for Units that meet (d)(3)(A) and elect Table 2 Limits
  - Application for Boilers <40 MMBTU/hr (not in an I-Plan) limiting NOx to 40 ppmv
  - Submit I-Plan

- **2023**
  - Submit B-Plan
  - Submit I-Plan Opt 1 for B-Plan or Table 1 and 2 limits Phase I (80%) project applications
  - Submit I-Plan Opt 5 B-Plan Only Phase I (50%) project applications

- **2024**
  - Submit application for Process Heaters <40 MMBTU/hr (not in an I-Plan) limiting NOx to 9 ppmv in lieu of (d)(2)(A)
  - Submit application for Process Heaters <40 MMBTU/hr (not in an I-Plan) limiting NOx to 40 ppmv
  - Submit application for I-Plan Opt 4 B-Cap Only Phase I (50%)
  - No permit submittal req’d for I-Plan Opt 2 B-Plan Only Phase I (65%) project applications
  - Submit I-Plan Opt 2 B-Plan Only Phase I (65%) project applications
## Estimated Number of R1109.1 Applications to be Submitted

<table>
<thead>
<tr>
<th>Category</th>
<th>Application Submittal Deadline</th>
<th>Plans</th>
<th>Applications other than Table 1 or 2</th>
<th>Applications for Table 1 I-Plan</th>
<th>Applications for Table 2 conditional limits in I-Plan</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potential Conditional Limits</td>
<td>June 1, 2022</td>
<td></td>
<td></td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>Boilers &lt; 40 mmbtu to 40 ppmv</td>
<td>July 1, 2022</td>
<td></td>
<td></td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Exempt Units</td>
<td>July 1, 2022</td>
<td></td>
<td></td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>B-Plan</td>
<td>September 1, 2022</td>
<td></td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>B-Cap</td>
<td>September 1, 2022</td>
<td></td>
<td></td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>I-Plan</td>
<td>September 1, 2022</td>
<td></td>
<td></td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>I-Plan option 5 phase I</td>
<td>January 1, 2023</td>
<td></td>
<td></td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>I-Plan option 1 phase I</td>
<td>January 1, 2023</td>
<td></td>
<td></td>
<td>21</td>
<td></td>
</tr>
<tr>
<td>Heaters &lt; 40 mmbtu to 40 ppmv</td>
<td>July 1, 2023</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Submit applications for Table 1 limits with no I-Plan</td>
<td>July 1, 2023</td>
<td></td>
<td></td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Submit applications for Table 1 limits with no I-Plan</td>
<td>July 1, 2023</td>
<td></td>
<td></td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>I-Plan option 4 phase I</td>
<td>January 1, 2024</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I-Plan option 2 phase I</td>
<td>July 1, 2024</td>
<td></td>
<td></td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>I-Plan option 5 phase II</td>
<td>January 1, 2025</td>
<td></td>
<td></td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>I-Plan option 4 phase II</td>
<td>January 1, 2025</td>
<td></td>
<td></td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>I-Plan option 3 phase I</td>
<td>July 1, 2025</td>
<td></td>
<td></td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>I-Plan option 4 phase III</td>
<td>January 1, 2028</td>
<td></td>
<td></td>
<td>1</td>
<td>6 13</td>
</tr>
<tr>
<td>I-Plan option 5 phase III</td>
<td>July 1, 2028</td>
<td></td>
<td></td>
<td>5</td>
<td>8 5</td>
</tr>
<tr>
<td>I-Plan option 3 phase II</td>
<td>July 1, 2029</td>
<td></td>
<td></td>
<td>1</td>
<td>7 9</td>
</tr>
<tr>
<td>I-Plan option 2 phase II</td>
<td>January 1, 2030</td>
<td></td>
<td></td>
<td>9</td>
<td>8 8</td>
</tr>
<tr>
<td>I-Plan option 1 phase II</td>
<td>January 1, 2031</td>
<td></td>
<td></td>
<td>1</td>
<td>4 10</td>
</tr>
</tbody>
</table>
Estimated Number of R1109.1 Applications by Year

Total No. of Estimated Applications = 309
Implementation Overview

Milestones / Approach

- Plan review by PRDAS
- Outreach to all refineries
- Quarterly Updates to Stationary Source Committee (starting Q3-2022)
  - Status of applications submittal and approvals relative to rule requirements
  - Steps taken to avoid deadline extensions
  - Turnaround needs
  - Other stakeholder points of interest

Streamline by Design

- Streamlining through rulemaking
- Address CEQA impacts through rule development
- Limited BACT exemption
- Estimated timelines for approvals driven by R1109.1 universe
Additional Streamlining Considerations

- Application Checklists
  - B-Plan, B-Cap and I-Plans
  - SCR applications
  - Burner replacement applications
- Statement of basis streamlining and development of templates for routine applications
- Minimize scope creep for Rule 1109.1 applications
  - Adding other modification to Rule 1109.1 applications (e.g. increase in firing rate)
  - Modifications that may trigger LAER
Pending Permit Application Status Dashboard Update
Pending Permit Application Status Dashboard

Board initiative to increase transparency

- Online ability to view status of individual applications
- Integrate with existing F.I.N.D. application

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

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

- Status progress bar:
Pending Permit Application Status Dashboard

Debottlenecking Efforts

October 2019

- In Process
- Awaiting South Coast AQMD Action
- Awaiting Facility Action

November 2021

- In Process
- Awaiting South Coast AQMD Action
- Awaiting Facility Action
Dashboard Pending Action Trends

Number of Applications

<table>
<thead>
<tr>
<th>Month</th>
<th>In Process</th>
<th>Waiting Facility</th>
<th>Waiting AQMD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oct '19</td>
<td>1,500</td>
<td>1,000</td>
<td>500</td>
</tr>
<tr>
<td>Apr '20</td>
<td>2,000</td>
<td>1,500</td>
<td>500</td>
</tr>
<tr>
<td>Nov '20</td>
<td>2,500</td>
<td>2,000</td>
<td>500</td>
</tr>
<tr>
<td>Apr '21</td>
<td>3,000</td>
<td>2,500</td>
<td>500</td>
</tr>
<tr>
<td>Nov '21</td>
<td>3,500</td>
<td>3,000</td>
<td>500</td>
</tr>
</tbody>
</table>
# Pending Application Status Dashboard

**Initial Observations - Snapshot (October 2019, cont.)**

<table>
<thead>
<tr>
<th>Completeness Determined (Facility Action)</th>
<th>In Process</th>
<th>Awaiting Facility Action</th>
<th>Awaiting South Coast AQMD Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Add. Info. (A/I) Req Related App A/I Fee Resolution</td>
<td>14% 1% &lt; 1%</td>
<td>Engineering Evaluation and Administrative Processing</td>
<td>41%</td>
</tr>
</tbody>
</table>
## Pending Permit Application Status Dashboard
### November 2021 Snapshot

### Completeness Determination (Facility Action)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>7%</td>
<td>1%</td>
<td></td>
<td>65%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Awaiting South Coast AQMD Action

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>9%</td>
<td>3%</td>
<td>3%</td>
<td>1%</td>
<td>&lt; 1%</td>
<td>1%</td>
<td>&lt; 1%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Continued progress on lowering apps awaiting actions
Awaiting action categories with longest average processing time:

- Awaiting SCAQMD
  - Policy Decision (31 apps)
  - Source Test Results Review (118)
  - Field Evaluation (18)
  - Related Applications Processing (106)
  - BACT/LAER Determination (2)

- Awaiting Facility
  - Awaiting Construction (153 apps)
  - Conduct Source Testing (89 apps)

- In Process
  - CEQA Analysis (26)
Online Filing Update
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
- Testing Complete – Release Pending
  - 222-CT, Cooling Towers
  - 222-TP, Tar Pots
  - 222-PW, Pressure Washers
Online Filing Activity

- ~80% of R222 are for Negative Air Machine, balance is Charbroiler and Boiler
- Rule 1403 Online Filing and R222 Negative Air Machine Online Filing work in tandem
- Testing complete on three additional R222 modules
Development

- Occasional software releases for data cleanup/program improvements
- Necessary to keep online programs consistent with rule changes
- Additional R222 Modules in testing stage
- Emergency IC Engine registration permit module in review
  - Online filing limited to certified engines with prescribed conditions
  - Seeking external volunteers to test module
- Workflow updates
  - IM to initiate building of individual modules
Source Test Portal Update

- Released November 2021 internally for testing by multiple divisions
  - Incoming and routing of source tests and protocols
  - Electronic review and approval
  - Electronic communication and status / dashboard functionality
  - Online form processing (ST-1 / ST-2)
- Reiterative testing to continue
Other Business
Public Comment