

District Board of Health Regulations Governing Air Quality Management Chapter 030 Implementation

Genine Rosa– November 20, 2024

Senior Air Quality Specialist, Permitting

Air Quality Management Division

Chapter 030 Source Permitting

Background

- Chapter 030 establishes the requirements for air pollution control and air quality permitting for sources of regulated air pollutants located within Washoe County
- These requirements are used to protect public health and welfare
- Establishes minimum thresholds for air quality permitting, air pollution control requirements, and exemptions from air quality permitting requirements
- Also establishes application, monitoring, reporting, recordkeeping, and testing requirements



Chapter 030 Source Permitting

Topics of Discussion for Workshop

- **Permit to Construct and Permit to Operate**
- **Best Systems of Control (BSC)**
- **Stationary Source Application Requirements**



Chapter 030 Source Permitting

Permit to Construct – 030.020

- **Permit to Construct (PTC)**
 - A document issued by the control officer allowing, with or without restrictions, the construction of a new source of air pollution or the modification of an existing source of air pollution, and for a period of time it's operation.
 - PTC expires and is invalid when:
 - The permittee does not commence construction within 18 months of issuance date
 - Commences construction and then ceases construction for 18 months or longer
 - One year after initial start-up if a complete application for a PTO has not been submitted, whichever occurs first
 - Upon issuance of a Permit to Operate (PTO)



Chapter 030 Source Permitting

Permit to Operate – 030.020

- **Permit to Operate (PTO)**
 - A document issued by the control officer allowing, with or without restrictions, the operation of a new source of air pollution or the modification of an existing source of air pollution.
 - Expires and is invalid after 5 years
 - Expired PTO cannot be reauthorized or reinstated, a new application would be required
 - Must be renewed every 5 years by filing a timely and complete application along with appropriate fee
 - Timely filing of application provides the applicant a permit shield



Chapter 030 Source Permitting

Applicability for Minor Sources

- **Regulated Air Pollutants (030.020.A.4)**
 - Groups of pollutants which require permitting
 - Criteria Pollutants – NAAQS
 - PM10, PM2.5, SO₂, NO₂, Ozone (VOC and NO_x), CO and lead(Pb).
 - Regulated Minor Source Pollutants
 - Criteria plus Hydrogen Sulfide (H₂S) and Total Reduced Sulfur (TRS) compounds
 - Regulated air pollutants – Criteria pollutants and precursors plus Hazardous Air Pollutants (HAP) regulated under SECTION 112(b) of the Clean Air Act.



Chapter 030 Source Permitting

Applicability for Minor Sources

- **Thresholds (030.020.A.5)**
 - Calculate Potential to Emit (PTE)
 - PTE
 - Max. capacity of source to emit a pollutant under it's physical and operational design, include insignificant equipment, pre-control at 8760 hr/yr
 - If entire source has a PTE equal to or greater than and is not a major source as defined in 030.300 or 030.400:

Pollutant	TPY
PM10	5
PM2.5	5
CO	5
VOC	5
NO _x	5
SO ₂	5
Lead (Pb)	0.3
H ₂ S	5
TRS	5



Chapter 030 Source Permitting

Best System of Control

- **Best System of Control (BSC) (030.010)**
 - Lowest emission limitation that a source is capable of meeting by the application of control technology that is reasonably available, considering technological and economical feasibility, considering:
 - Energy and environmental impact and cost
 - Cost-effectiveness
 - Control technology in use by similar sources
 - Technical feasibility
 - BSC applied to:
 - Each pollutant at a new or existing source with source-wide PTE increase => thresholds in table unless subject to BACT or LAER under major source provisions (030.300 & 030.400)
 - For each pollutant for which BSC must be determined, it shall be determined for and applied to each new emissions unit and each existing emissions unit at which a PTE emissions increase in that pollutant would occur as a result of a physical change or change in the method of operation of the unit.

Pollutant	TPY
PM10	15
PM2.5	10
CO	100
VOC	20
NO _x	20
SO ₂	40
Lead (Pb)	0.6
H ₂ S	5
TRS	5



Chapter 030 Source Permitting

Applicability for Minor Sources

- **Exemptions and Insignificant Sources (030.020.B)**

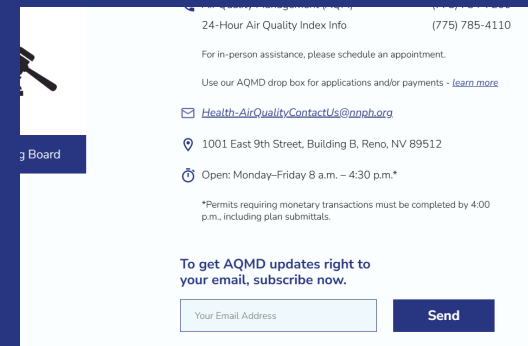
- Exemptions – Categorical
- Exemptions – Insignificant Sources
 - Still included in PTE for a facility which otherwise requires a PTC/PTO
 - Does not require a PTC/PTO as long as not otherwise required or subject to permitting – does not exempt from any regulatory requirements – ex. CFR IIII
 - Examples from list:
 - Emergency Compression Ignition Engine < 600 hp
 - HVAC or fuel burning equipment for human comfort or safety of property with individual max. heat input rating < 1,000,000 btu/hr
 - Commercial food preparation – does not include solid fuel burning (wood/coal)
- A stationary source which consists solely of insignificant activities, as determined pursuant to this section, and which exceeds the threshold for a minor source as set forth in paragraph 030.020.A.5.a.(1), may be required to obtain a permit as determined by the Control Officer.

Chapter 030.020 Source Permitting Applicability

PTC/PTO and Applicability Homework

Review the section 030.020

1. Obtain a copy of the new regulations, www.OurCleanAir.com
2. Review Chapter 030.020
3. Contact the AQMD early with questions at AQMDPermitting@nnph.org or 775-784-7200
4. Sign up for AQMD updates by subscribing to email list.



24-Hour Air Quality Index Info (775) 785-4110

For in-person assistance, please schedule an appointment.

Use our AQMD drop box for applications and/or payments - [learn more](#)

✉ HealthAirQualityContactUs@nnph.org

📍 1001 East 9th Street, Building B, Reno, NV 89512

🕒 Open: Monday–Friday 8 a.m. – 4:30 p.m.*

*Permits requiring monetary transactions must be completed by 4:00 p.m., including plan submittals.

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Chapter 030 Source Permitting

Stationary Source Application Requirements – 030.200

- **Permit Application**
 - Duty to Apply (030.200.C)
 - Except as provided in SECTION 030.200.F, no person shall commence with construction, modification or operation of a source except in compliance with a PTC or PTO that authorizes such activity
 - Renewal application every 5 years – at least 180 days prior to expiration, no sooner than 270 days.
 - Timely = 270 ><180 days
 - Timely filing of complete application provides the applicant a permit shield
 - Failure to submit application for renewal – lose authority to operate upon expiration and treated as a new minor source and be subject to all requirements of paragraph 030.200.C.5.



Date of Expiration	Earliest to Apply (270 days)	Latest to Apply (180 days)
1/31/2026	5/6/2025	8/4/2025
2/28/2026	6/3/2025	9/1/2025
3/31/2026	7/4/2025	10/2/2025
4/30/2026	8/3/2025	11/1/2025
5/31/2026	9/3/2025	12/2/2025
6/30/2026	10/3/2025	1/1/2026
7/31/2026	11/3/2025	2/1/2026
8/31/2026	12/4/2025	3/4/2026
9/30/2026	1/3/2026	4/3/2026
10/31/2026	2/3/2026	5/4/2026
11/30/2026	3/5/2026	6/3/2026
12/31/2026	4/5/2026	7/4/2026



Chapter 030 Source Permitting

Expiration Date Changes

b. A PTO, whether for a minor or a major source, expires five (5) years from the date of issuance and must be renewed by submitting a complete application. Since a PTC is only required for proposed new sources and for modifications to existing sources, existing sources that are not being modified, but which are, or become, subject to CHAPTER 030, shall be issued a PTO without having to obtain a PTC.

- **Permit Expiration Dates**
 - Establishing a new expiration date on all Permits to Operate to complete renewals in the next 6 years
 - Facilities with a Permit to Operate will be required to submit a complete application every five years thereafter to renew the Permit to Operate



Chapter 030 Source Permitting

Establishing New Expiration Dates

- To manage the renewals of all Permits to Operate over the next 6 years, a new expiration date will be applied to all Permits to Operate using the matrix below
- Expiration Dates for existing Permits to Operate will change in the following manner:
 - Permits ending in 0 or 5, will expire in 2026
 - Permits ending in 1 or 6, will expire in 2027
 - Permits ending in 2 or 7, will expire in 2028
 - Permits ending in 3 or 8, will expire in 2029
 - Permits ending in 4 or 9, will expire in 2030
- The Permits will be updated with new expiration dates in 2025 during the month the permit expires
 - After annual fees have been paid, the Permit to Operate will be reissued with an expiration date using the matrix above



Chapter 030 Source Permitting

New Expiration Date Example



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AIR QUALITY PERMIT TO OPERATE

Permit #: AAIR16-0100

Permit Expiration Date: 01/31/2025



Chapter 030 Source Permitting

New Expiration Date Example

Permit to Operate No. AAIR16-0100

- This Permit to Operate is due to expire on January 31, 2025
- Permit will be reissued in January 2025 with a new expiration date after annual fees have been paid
- Based on the final digit of the Permit Number (AAIR16-0100) the new expiration date will be January 31, 2026
- Expiration date will establish the timeframe for submitting a renewal application in a timely manner



Chapter 030 Source Permitting

New Expiration Date Example

Permit to Operate No. AAIR16-0100

- With the new expiration date for Permit to Operate No. AAIR16-0104 being **January 31, 2026**:
 - Expiration date will establish the timeframe for submitting a renewal application in a timely manner.
 - **Annual Maintenance and Emissions fees will be assessed on the first day of the month of expiration date**
 - So in this case, Annual Maintenance and Emissions fees will be assessed on January 1 and will be required to be paid by January 30.



Chapter 030 Source Permitting

Permit to Operate Renewal/Expiration Date Timeline

270 Days Prior to
Expiration Date

180 Days Prior To
Expiration Date

Expiration Date

Expired Permits

Complete Application for
Renewal can be submitted
up to 270 days prior to
Expiration Date

Complete Application for
Renewal must be submitted
180 days prior to Expiration
Date to be considered
“Timely”

Complete applications
submitted less than 180
days prior to the Expiration
Date shall not have a permit
shield and the source loses
its ability to operate upon
permit expiration

Failure to submit a Complete
Application prior to the
Expiration Date will require
the cessation of operation
and the submittal of a PTO
application

Chapter 030 Source Permitting

Permit to Operate Renewal Timeline: AAIR16-0100

270 Days Prior to
January 31, 2026

180 Days Prior To
January 31, 2026

Expiration Date
January 31, 2026

Expired Permits

Complete Application for
Renewal can be submitted
on or after **May 6, 2025**

Complete Application for
Renewal must be submitted
by **August 4, 2025** to be
considered “Timely”

Complete application
submitted less than 180
days prior to the Expiration
Date will not have a permit
application shield and the
source loses its ability to
operate upon permit
expiration

Sources will require the
cessation of permitted
emissions units and the
submittal of a PTO
application

Chapter 030 Source Permitting

Expiration Date Change Homework

Review the Permit to Operate issued to your facility

1. Obtain a copy of your current Permit to Operate
2. Locate the Permit to Operate Number on the cover page and apply the last digit of the Permit number to the expiration date change matrix to understand the new expiration date

Calculate Timely Renewal Application Dates

1. Using the new expiration date, calculate the 270 days and 180 days prior to the expiration date to determine the date range to submit a timely renewal application
2. Prepare application in advance of the 270-day mark for a timely submittal to the AQMD
3. Submit complete application between the 270 and 180 day period prior to the expiration date for a timely renewal of the Permit to Operate

Chapter 030 Source Permitting

Stationary Source Application

- **Application Processing**
 - Control officer to issue or deny within 180 days of receiving a complete application
 - Application Completeness (030.200.C.2)
 - Administrative Completeness determination to be made within 30 days, if not assume complete (030.200.C.5)
 - 180 days begins once deemed complete
 - Incomplete applications shall be returned with description of deficiencies
 - Technical Review
 - When additional information is requested from a facility this will pause our processing time until we have the required information (030.200.C.2.d)
 - Permit Shield
 - When a timely and complete application are received the source is protected if the AQMD is late on renewing/issuing the PTO. If the application is not timely then the shield shall cease to apply



Chapter 030 Source Permitting

Stationary Source Application Requirements

- **Public Participation (030.200.E.3)**
 - The Control Officer shall provide for public notice, comment, and an opportunity for a hearing in accordance with the following:
 - Notice of Proposed Action (NPA) after receipt of a complete application for any of the following proposed actions form minor source permits, a NPA shall be provided.
 - A new minor source PTE > table thresholds
 - A new minor source to be located within 1000 ft of outer boundary of school, hospital or residential area
 - A significant permit revision that is required because a significant increase in an existing source's PTE
 - A voluntarily accepted emissions limitation as to avoid becoming a major stationary source, including a major source of fugitive emissions (030.200.G.4) - Synthetic Minor

Pollutant	TPY
PM10	15
PM2.5	10
CO	100
VOC	20
NO _x	20
SO ₂	40
Lead (Pb)	0.6
H ₂ S	5
TRS	5



Chapter 030 Source Permitting

Stationary Source Application Requirements

- **Revisions to Existing PTO (030.200.F)**
 - Significant Permit Revision (030.200.F.1)
 - Subject to public participation requirements
 - Minor Permit Revision (030.200.F.2)
 - Subject to permit application requirements in SECTION 030.200.C
 - Administrative Amendment (030.200.F.3)
 - Can be initiated by either the source or the Control Officer
 - Changes Made with Notice (030.200.F.4)
 - Changes which can be made without a permit revision if source provides prior written notice of change, within the applicable timeframe, on a form specified by the Control Officer, unless Control Officer objects within the applicable timeframe.
 - Reopening for Cause (030.200.F.5)
 - Shall not be initiated before notice of such intent is provided to the source by the Control Officer at least 30 calendar days in advance, except in an emergency.
 - Major Modifications (030.200.F.6)
 - Any modification that results in an increase in PTE equal to or greater than the emissions of a major stationary source



Chapter 030.200 Minor Source Permit Requirements

PTC/PTO and Applicability Homework

Review the section 030.200

1. Obtain a copy of the new regulations, www.OurCleanAir.com
2. Review Chapter 030.200
3. Contact the AQMD early with questions at AQMDPermitting@nnph.org or 775-784-7200
4. Sign up for AQMD updates by subscribing to email list.

Chapter 030 Source Permitting

Public Engagement

- If you have questions:
 - May be submitted via email at AQMDPermitting@nnph.org
 - Call (775) 784-7200 and request to speak to the Permitting Branch
 - Schedule a meeting with the AQMD
 - Workshops
 - Jan 16th, 2025 – 12-1pm

To view the revised Chapter 030, recording of this public workshop, and slides from this presentation, please visit the Public Outreach page of our website.

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