



CLARK COUNTY AIR QUALITY REGULATIONS

Section 105: VOC Emissions Control for Metal Solvent Degreaser Operations

Fact Sheet

April 2024

DEFINITIONS

“Cold cleaner” means a batch-loaded metal solvent degreaser whose solvent is kept below its boiling point (Section 105.3, “Definitions”).

“Conveyorized degreaser” means a degreaser that is continuously loaded by means of a conveyor system. The solvent may be boiling or nonboiling (Section 105.3, “Definitions”).

“Metal solvent degreasing operations” means the operation of one or more metal solvent degreasers at a stationary source, including ancillary activities such as storing and disposal of solvent (Section 105.3, “Definitions”).

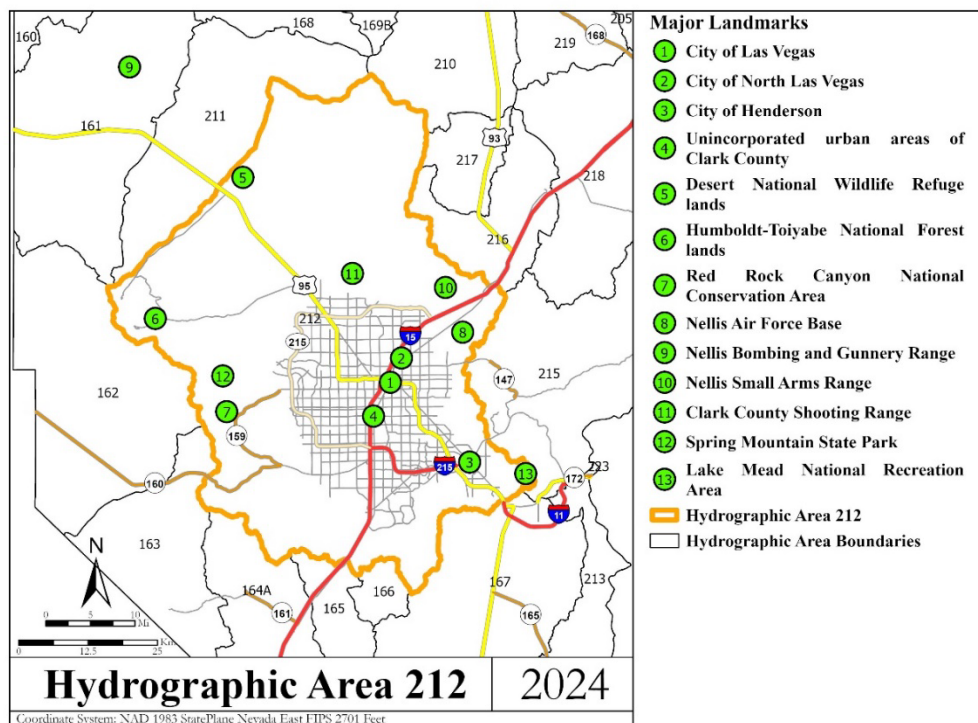
“Open top vapor degreaser” means a batch-loaded degreaser whose solvent is heated to its boiling point, creating a solvent vapor zone (Section 105.3, “Definitions”).

“Projected maximum emissions” (PME) means the highest annual rate, in tons per year, at which the stationary source is projected to emit VOC based on anticipated production, throughput, heat input, or material utilization rates that does not include emission reductions from add-on controls (Section 101.3, “Definitions”).

“Stationary source” means any building, structure, facility, or installation that emits or may emit any regulated pollutant regulated (Section 0, “Definitions”).

AREA OF APPLICABILITY

The rule applies to an area known as Hydrographic Area 212 (HA212) which is roughly 1,500 square miles of the Las Vegas Valley (See map below). The rule also applies to any other area designated with a “moderate” or higher ozone nonattainment classification within Clark County on or after January 5, 2023.





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APPLICABILITY

Applicable

Section 105 is applicable to any owner or operator of a stationary source with PME of volatile organic compounds (VOC) **equal to or greater than 3.0 tons per calendar year** from metal solvent degreasing operations (Section 105.4 lists exemptions from parts of this regulation).

Sections 105.5(c), 105.6(c), 105.7(c), and 105.8–105.11 (on work practices (including periodic inspections, training, and posting applicable work practice requirements) and registration, notification, and recordkeeping requirements) apply to any owner or operator of a stationary source with a PME of VOC of **less than 3.0 tons per calendar year** from metal solvent degreasing operations (Section 105.4 lists exemptions from parts of this rule).

Not Applicable

Section 105 rules do not apply:

- To stationary sources using less than 500 gallons (1,892 L) of cleaning solvent per calendar year (Section 105.2(c)(1)).
- When using only vapor phase solder reflow units (Section 105.2(c)(2)).
- When the stationary source is conducting vapor degreasing operations in a vapor-air interface area of 1.0 ft² (0.09 m²) or less with a maximum solvent capacity of 1.0 gal (3.8 L) or less (Section 105.2(c)(3)).

EXEMPTIONS

A stationary source may be excluded from portions of the regulation if it has a stationary source permit or is subject to another Air Quality Regulation that is at least as stringent as Section 105 and is included in the approved state implementation plan. Other sections of the regulation may still apply. See the accompanying [flow diagram](#) showing the criteria needed to claim an exemption and the regulations that may still apply.

EMISSIONS STANDARDS FOR STATIONARY SOURCES WITH PME EQUAL TO OR GREATER THAN 3.0 TONS OF VOC PER YEAR

VOC emissions must be controlled by complying with the applicable equipment and operation specifications, emissions control requirements, and work practice requirements outlined in Sections 105.5–105.7, depending on the operation: cold cleaner, open top vapor degreaser, or conveyORIZED degreaser.

If an owner or operator chooses to use an ECS, then an operations and maintenance plan must be developed per Section 105.8.1. In addition, ECS monitoring devices must be installed and maintained according to manufacturer specifications.

COMPLIANCE DATES

| Document / Requirement | Due Date |
|--|--|
| Compliance dates for all applicable stationary sources | |
| Compliance with Section 105 for existing stationary source (Section 105.11(a)) | No later than September 29, 2024 or when the stationary source commences normal operations or becomes subject to any requirements in Section 105, whichever is later |
| Compliance with Section 105 for new stationary source (Section 105.11(b)) | Upon commencing normal operations |



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| Document / Requirement | Due Date |
|---|---|
| Owner or operator who already has a stationary source permit or is already complying with another SIP-approved regulation | |
| Permit revision instead of registration application (Section 105.9(d)) | No later than September 29, 2024 or 45 days after becoming subject to any requirements in Section 105, whichever is later |
| Notice of exemption instead of registration application (Section 105.10.1(b)) | Within 30 days of compliance date in Section 105.11 |
| Compliance with Section 105.5; Control Officer discretion on accepting alternative compliance date (Section 105.11(d)) | No later than April 2, 2027 |
| Registration and recordkeeping for all applicable stationary sources | |
| Registration application (Section 105.9(a)(1)) | No later than September 29, 2024 or 45 days after becoming subject to any requirements in Section 105, whichever is later |
| Registration application revision update for material change (Section 105.9(a)(2)) | Within 60 days of material change |
| Record retention (Section 105.10.2(a)(2)) | 5 years from creation |
| All records for review (Section 105.10.2(a)(3)) | Upon request by Control Officer during hours of operation |
| Record of cleaning materials used in previous month (Section 105.10.2(a)(4)) | Monthly |
| Record of emissions calculations (Section 105.10.2(a)(6)) | Every calendar year |
| PME equal to or greater than 3.0 tons of VOC | |
| Registration revision if previous registration listed PME equal to or greater than 3.0 tons of VOC, but less than 3.0 tons of VOC were emitted and reported in each of the previous three consecutive calendar years (Section 105.9(c)) | As applicable |
| Annual emissions inventory (Section 105.10.3(b)) | On or before March 31 of each year |
| If using a performance test to determine ECS control efficiency | |
| Conduct ECS performance test (Section 105.10.1(a)(1)) | Within 180 days of initial operation or no later than September 29, 2024, whichever is later |
| Submit ECS performance test protocol (Section 105.10.1(a)(2)) | At least 45, but no more than 90, days before anticipated test date |
| Submit performance test report to Control Officer (Section 105.10.1(a)(3)) | 60 days after test completed |
| If existing source installs new ECS (Section 105.11(c)) | September 24, 2025 |

RESOURCES

Forms and Worksheets:

- Calculation Worksheet – for calculating PME of VOC tons per calendar year to determine applicability (Section 105.2(a)–(b)).
- Registration Application (Section 105.9) – for all applicable sources required to comply with Section 105 as described in the Applicability section (Section 105.2(a)–(b)).



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- Notification Form (Section 105.10.1(b)) – for claiming an exemption from certain provisions of Section 105 (See Section 105.4(a) for exemption list).

The final rule is available on the department website at:

https://www.clarkcountynv.gov/government/departments/environment_and_sustainability/division_of_air_quality/rules_regulations/current_aq_rules.php

Questions about these rules can be directed to the Department of Environment and Sustainability [Permitting Section](#) or the Small Business Assistance Program at: (702) 455-1660 or AQSBAP@ClarkCountyNV.gov.

REFERENCES

[Clean Air Act, Section 182\(b\)\(2\)\(A\), Title 42, U.S. Code Section 7511a \(42 U.S.C. 7511a\)](#)

[AQR Section 105, "VOC Emissions Control for Metal Solvent Degreaser Operations"](#)

DISCLAIMER

This fact sheet is for general information and guidance purposes only. Do not rely solely on the information provided here as a basis for making business, legal, or any other decisions.