

(2) Approval of major changes to test methods under § 63.7(e)(2)(ii) and (f) and as defined in § 63.90.

(3) Approval of major changes to monitoring under § 63.8(f) and as defined in § 63.90.

(4) Approval of major changes to recordkeeping and reporting under § 63.10(f) and as defined in § 63.90.

§ 63.9075 What definitions apply to this subpart?

Terms used in this subpart are defined in the Clean Air Act in 40 CFR 63.2 and in this section as follows:

Caustic scrubber control device means any add-on device that mixes an aqueous stream or slurry containing a caustic substance with the exhaust gases from an HCl process vent, HCl storage tank, or HCl transfer operation to control emissions of HCl and/or Cl₂.

Chlor-alkali facility means a facility where chlorine and sodium or potassium hydroxide are produced as co-products and hydrogen is produced as a by-product in an electrolytic process using either mercury cells, diaphragm cells, or membrane cells.

Continuous monitoring system, for purposes of the final rule, means liquid flow monitoring devices that meet the performance specifications given in § 63.9025(a); or pH monitoring devices that meet the performance specifications given in § 63.9025(a); or other control devices as mentioned in 63.9025(a) and (b) or § 63.9025(a) and (c).

Control device means an add-on device used to reduce HCl and/or Cl₂ emissions from an HCl process vent, HCl storage tank, or HCl transfer operation at an HCl production facility. An HCl production unit is not a control device.

Deviation means any instance in which an affected source subject to this subpart, or an owner or operator of such a source:

(1) Fails to meet any requirement or obligation established by this subpart, including but not limited to any emission limitation or work practice standard;

(2) Fails to meet any term or condition that is adopted to implement an applicable requirement in this subpart and that is included in the operating permit for any affected source required to obtain such a permit; or

(3) Fails to meet any emission limitation or work practice standard in this subpart during startup, shutdown, or malfunction, regardless of whether or not such failure is permitted by this subpart.

Emission limitation means any emission limit or operating limit.

Emission stream means a gaseous stream from an HCl process vent, an HCl storage tank, an HCl transfer operation, leaking equipment in HCl service, or HCl wastewater operations that is discharged to the atmosphere. Gaseous streams from HCl process vents, HCl storage tanks, and HCl transfer operations that are routed to another process or recycled for reaction or other use (*i.e.*, for pH control) of the HCl and/or Cl₂ are not emission streams. Gaseous streams from HCl transfer operations that are vapor balanced to an HCl storage tank subject to this subpart are not emission streams.

Equipment in HCl service means each pump, compressor, agitator, pressure relief device, sampling connection system, open-ended valve or line, valve, connector, and instrumentation system that contains 30 weight percent or greater of liquid HCl or 5 weight percent or greater of gaseous HCl at any time.

HCl process vent means the point of discharge to the atmosphere, or point of entry into a control device, of a gaseous stream that originates from an HCl production unit. The following points of discharge are not HCl process vents:

(1) A leak from equipment in HCl service subject to this subpart.

(2) An exit from a control device used to comply with this subpart.

(3) An HCl storage tank vent or HCl transfer operation vent subject to this subpart.

(4) A HCl wastewater operation vent subject to this subpart.

(5) A point of discharge from a relief valve.

(6) A point of discharge from an analyzer.

HCl production facility is defined in § 63.8985(a)(i).

HCl production unit means an absorber or other vessel in which a liquid

HCl product is manufactured by absorbing gaseous HCl into either water or an aqueous HCl solution.

HCl storage tank means a tank or other vessel that is used to store liquid HCl product. Tanks or vessels permanently attached to motor vehicles (such as trucks, railcars, barges, or ships) are not HCl storage tanks.

HCl transfer operation means the loading, into a tank truck, railcar, ship, or barge, of liquid HCl from a transfer (or loading) rack (as defined in this section) for which the predominant use is liquid HCl. The predominant use of a transfer (or loading) rack is the material that is loaded by the transfer (or loading) rack in the greatest amount.

HCl wastewater operation means an operation that handles and processes water containing HCl that is discarded from an HCl production facility.

Plant site means all contiguous or adjoining property that is under common control, including properties that are separated only by a road or other public right-of-way. Common control includes properties that are owned, leased, or operated by the same entity, parent entity, subsidiary, or any combination thereof.

Research and development facility means laboratory and pilot plant operations whose primary purpose is to conduct research and development into new processes and products, where the operations are under close supervision

of technically trained personnel, and the operations are not engaged in the manufacture of products for commercial sale, except in a *de minimis* manner.

Responsible official means responsible official as defined in 40 CFR 70.2 of this chapter.

Transfer (or loading) rack means the collection of loading arms and loading hoses, at a single loading rack, that are used to fill tank trucks, railcars, ships, and/or barges. Transfer rack includes the associated pumps, meters, shutoff valves, relief valves, and other piping and valves.

Vapor balanced means connected to a piping system that is designed to collect vapors displaced from tank trucks, rail cars, ships, or barges during loading, and to route the collected vapors to the storage vessel from which the liquid being loaded originated, or to another storage vessel connected by a common header.

Vent means the point of discharge to the atmosphere or to a control device from either an HCl process vent, an HCl storage tank, or an HCl transfer operation.

Water scrubber control device means any add-on device that mixes an aqueous stream not containing a caustic substance with the exhaust gases from an HCl process vent, HCl storage tank, or HCl transfer operation to control emissions of HCl and/or Cl₂.

TABLE 1 TO SUBPART NNNNN OF PART 63—EMISSION LIMITS AND WORK PRACTICE STANDARDS

As stated in § 63.9000(a), you must comply with the following emission limits and work practice standards for each emission stream that is part of an affected source.

For each. . .	You must meet the following emission limit and work practice standard.
1. Emission stream from an HCl process vent at an existing source.	a. Reduce HCl emissions by 99 percent or greater or to an outlet concentration of 20 ppm by volume or less; and b. Reduce Cl ₂ emissions by 99 percent or greater or to an outlet concentration of 100 ppm by volume or less.
2. Emission stream from an HCl storage tank at an existing source.	Reduce HCl emissions by 99 percent or greater or to an outlet concentration of 120 ppm by volume or less.
3. Emission stream from an HCl transfer operation at an existing source.	Reduce HCl emissions by 99 percent or greater or to an outlet concentration of 120 ppm by volume or less.
4. Emission stream from leaking equipment in HCl/Cl ₂ service at existing sources.	a. Prepare and operate at all times according to an equipment LDAR plan that describes in detail the measures that will be put in place to detect leaks and repair them in a timely fashion; and b. Submit the plan to the Administrator <i>for comment only</i> with your notification of Compliance Status; and

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For each . . .	You must meet the following emission limit and work practice standard.
	c. You may incorporate by reference in such plan existing manuals that describe the measures in place to control leaking equipment emissions required as part of other federally enforceable requirements, provided that all manuals that are incorporated by reference are submitted to the Administrator.
5. Emission stream from an HCl process vent at a new source.	a. Reduce HCl emissions by 99.4 percent or greater or to an outlet concentration of 12 ppm by volume or less; and b. Reduce Cl ₂ emissions by 99.8 percent or greater or to an outlet concentration of 20 ppm by volume or less.
6. Emission stream from an HCl storage tank at a new source.	Reduce HCl emissions by 99.9 percent or greater or to an outlet concentration of 12 ppm by volume or less.
7. Emission stream from an HCl transfer operation at a new source.	Reduce HCl emissions by 99 percent or greater or to an outlet concentration of 120 ppm by volume or less.

TABLE 2 TO SUBPART NNNNN OF PART 63—OPERATING LIMITS

As stated in §63.9000(b), you must comply with the following operating limits for each emission stream that is part of an affected source that is vented to a control device.

For each . . .	You must . . .
1. Caustic scrubber or water scrubber/absorber	a. Maintain the daily average scrubber inlet liquid or recirculating liquid flow rate, as appropriate, above the operating limit; and b. Maintain the daily average scrubber effluent pH within the operating limits; or c. Instead of a. and b., maintain your operating parameter(s) within the operating limits established according to your monitoring plan established under §63.8(f).
2. Other type of control device to which HCl emissions are ducted.	Maintain your operating parameter(s) within the limits established during the performance test and according to your monitoring plan.

TABLE 3 TO SUBPART NNNNN OF PART 63—PERFORMANCE TEST REQUIREMENTS FOR HCL PRODUCTION AFFECTED SOURCES

As stated in §63.9020, you must comply with the following requirements for performance tests for HCl production for each affected source.

For each HCl process vent and each HCl storage tank and HCl transfer operation for which you are conducting a performance test, you must . . .	Using . . .	Additional Information . . .
1. Select sampling port location(s) and the number of traverse points.	a. Method 1 or 1A in appendix A to 40 CFR part 60 of this chapter.	i. If complying with a percent reduction emission limitation, sampling sites must be located at the inlet and outlet of the control device prior to any releases to the atmosphere (or, if a series of control devices are used, at the inlet of the first control device and at the outlet of the final control device prior to any releases to the atmosphere); or ii. If complying with an outlet concentration emission limitation, the sampling site must be located at the outlet of the final control device and prior to any releases to the atmosphere.
2. Determine velocity and volumetric flow rate.	Method 2, 2A, 2C, 2D, 2F, or 2G in appendix A to 40 CFR part 60 of this chapter.	
3. Determine gas molecular weight	a. Not applicable	i. Assume a molecular weight of 29 (after moisture correction) for calculation purposes.

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For each HCl process vent and each HCl storage tank and HCl transfer operation for which you are conducting a performance test, you must . . .	Using . . .	Additional Information . . .
4. Measure moisture content of the stack gas.	Method 4 in appendix A to 40 CFR part 60 of this chapter.	
5. Measure HCl concentration and Cl ₂ concentration from HCl process vents.	a. Method 26A in Appendix A to 40 CFR part 60 of this chapter.	i. An owner or operator may be exempted from measuring the Cl ₂ concentration from an HCl process vent provided that a demonstration that Cl ₂ is not likely to be present in the stream is submitted as part of the site-specific test plan required by § 63.9020(a)(2). This demonstration may be based on process knowledge, engineering judgement, or previous test results.
6. Establish operating limits with which you will demonstrate continuous compliance with the emission limits in Table 1 to this subpart, in accordance with § 63.9020(e)(1) or (2).		

TABLE 4 TO SUBPART NNNNN OF PART 63—INITIAL COMPLIANCE WITH EMISSION LIMITATIONS AND WORK PRACTICE STANDARDS

As stated in § 63.9030, you must comply with the following requirements to demonstrate initial compliance with the applicable emission limits for each affected source vented to a control device and each work practice standard.

For each . . .	For the following emission limit or work practice standard . . .	You have demonstrated initial compliance if . . .
1. HCl process vent and each HCl storage tank and HCl transfer operation for which you are conducting a performance test.	a. In Table 1 to this subpart	i. The average percent reduction of HCl and Cl ₂ (if applicable), measured over the period of the performance test conducted according to Table 3 of this subpart and determined in accordance with § 63.9020(b), is greater than or equal to the applicable percent reduction emission limitation specified in Table 1 of this subpart; or ii. The average HCl and Cl ₂ (if applicable) concentration, measured over the period of the performance test conducted according to Table 3 of this subpart, is less than or equal to the applicable concentration emission limitation specified in Table 1 of this subpart.
2. HCl storage tank and HCl transfer operation for which you are preparing a design evaluation in lieu of conducting a performance test.	a. In Table 1 to this subpart	i. The percent reduction of HCl, demonstrated by a design evaluation prepared in accordance with § 63.9020(c), is greater than or equal to the applicable percent reduction emission limitation specified in Table 1 of this subpart; or ii. The HCl concentration, demonstrated by a design evaluation prepared in accordance with § 63.9020(c), is less than or equal to the applicable concentration emission limitation specified in Table 1 of this subpart.
3. Leaking equipment	a. In Table 1 to this subpart	i. You certify in your Notification of Compliance Status that you have developed and implemented your LDAR plan and submitted it to the Administrator for comment only .

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TABLE 5 TO SUBPART NNNNN OF PART 63—CONTINUOUS COMPLIANCE WITH EMISSION LIMITATIONS AND WORK PRACTICE STANDARDS

As stated in §63.9040, you must comply with the following requirements to demonstrate continuous compliance with the applicable emission limitations for each affected source vented to a control device and each work practice standard.

For each . . .	For the following emission limitation and work practice standard . . .	You must demonstrate continuous compliance by . . .
1. Affected source using a caustic scrubber or water scrubber/absorber.	a. In Tables 1 and 2 to this subpart	i. Collecting the scrubber inlet liquid or recirculating liquid flow rate, as appropriate, and effluent pH monitoring data according to §63.9025, consistent with your monitoring plan; and ii. Reducing the data to 1-hour and daily block averages according to the requirements in §63.9025; and iii. Maintaining the daily average scrubber inlet liquid or recirculating liquid flow rate, as appropriate, above the operating limit; and iv. Maintaining the daily average scrubber effluent pH within the operating limits.
2. Affected source using any other control device.	a. In Tables 1 and 2 to this subpart	i. Conducting monitoring according to your monitoring plan established under §63.8(f) in accordance with §63.9025(c); and ii. Collecting the parameter data according to your monitoring plan established under §63.8(f); and iii. Reducing the data to 1-hour and daily block averages according to the requirements in §63.9025; and iv. Maintaining the daily average parameter values within the operating limits established according to your monitoring plan established under §63.8(f).
3. Leaking equipment affected source	a. In Table 1 to this subpart	i. Verifying that you continue to use a LDAR plan; and ii. Reporting any instances where you deviated from the plan and the corrective actions taken.

TABLE 6 TO SUBPART NNNNN OF PART 63—REQUIREMENTS FOR REPORTS

As stated in §63.9050(a), you must submit a compliance report that includes the information in §63.9050(c) through (e) as well as the information in the following table. You must also submit startup, shutdown, and malfunction (SSM) reports according to the requirements in §63.9050(f) and the following:

If...	Then you must submit a report or statement that:
1. There are no deviations from any emission limitations that apply to you.	There were no deviations from any emission limitations that apply to you during the reporting period.
2. There were no periods during which the operating parameter monitoring systems were out-of-control in accordance with the monitoring plan.	There were no periods during which the CMS were out-of-control during the reporting period.
3. There was a deviation from any emission limitation during the reporting period.	Contains the information in §63.9050(d).
4. There were periods during which the operating parameter monitoring systems were out-of-control in accordance with the monitoring plan.	Contains the information in §63.9050(d).
5. There was a SSM during the reporting period that is not consistent with your SSM plan.	Contains the information in §63.9050(f).

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If...	Then you must submit a report or statement that:
6. There were periods when the procedures in the LDAR plan were not followed.	Contains the information in § 63.9050(c)(7).

TABLE 7 TO SUBPART NNNNN OF PART 63—APPLICABILITY OF GENERAL PROVISIONS TO SUBPART NNNNN

As stated in § 63.9065, you must comply with the applicable General Provisions requirements according to the following:

Citation	Requirement	Applies to Subpart NNNNN	Explanation
§ 63.1	Initial applicability determination; applicability after standard established; permit requirements; extensions; notifications.	Yes.	
§ 63.2	Definitions	Yes	Additional definitions are found in § 63.9075.
§ 63.3	Units and abbreviations	Yes.	
§ 63.4	Prohibited activities; compliance date; circumvention, severability.	Yes.	
§ 63.5	Construction/reconstruction applicability; applications; approvals.	Yes.	
§ 63.6(a)	Compliance with standards and maintenance requirements—applicability.	Yes.	
§ 63.6(b)(1)–(4)	Compliance dates for new or reconstructed sources.	Yes	§ 63.8995 specifies compliance dates.
§ 63.6(b)(5)	Notification if commenced construction or reconstruction after proposal.	Yes.	
§ 63.6(b)(6)	[Reserved]	Yes.	
§ 63.6(b)(7)	Compliance dates for new or reconstructed area sources that become major.	Yes.	§ 63.8995 specifies compliance dates.
§ 63.6(c)(1)–(2)	Compliance dates for existing sources.	Yes	§ 63.8995 specifies compliance dates.
§ 63.6(c)(3)–(4)	[Reserved]	Yes.	
§ 63.6(c)(5)	Compliance dates for existing area sources that become major.	Yes	§ 63.8995 specifies compliance dates.
§ 63.6(d)	[Reserved]	Yes.	
§ 63.6(e)(1)–(2)	Operation and maintenance requirements.	Yes.	
§ 63.6(e)(3)	SSM plans	Yes.	
§ 63.6(f)(1)	Compliance except during SSM.	Yes.	
§ 63.6(f)(2)–(3)	Methods for determining compliance.	Yes.	
§ 63.6(g)	Use of an alternative non-opacity emission standard.	Yes.	

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Citation	Requirement	Applies to Subpart NNNNN	Explanation
§ 63.6(h)	Compliance with opacity/visible emission standards.	No	Subpart NNNNN does not specify opacity or visible emission standards.
§ 63.6(i)	Extension of compliance with emission standards.	Yes.	
§ 63.6(j)	Presidential compliance exemption.	Yes.	
§ 63.7(a)(1)–(2)	Performance test dates	Yes	Except for existing affected sources as specified in § 63.9010(b).
§ 63.7(a)(3)	Administrator’s Clean Air Act section 114 authority to require a performance test.	Yes.	
§ 63.7(b)	Notification of performance test and rescheduling.	Yes.	
§ 63.7(c)	Quality assurance program and site-specific test plans.	Yes.	
§ 63.7(d)	Performance testing facilities	Yes.	
§ 63.7(e)(1)	Conditions for conducting performance tests.	Yes.	
§ 63.7(f)	Use of an alternative test method.	Yes.	
§ 63.7(g)	Performance test data analysis, recordkeeping, and reporting.	Yes.	
§ 63.7(h)	Waiver of performance tests	Yes.	
§ 63.8(a)(1)–(3)	Applicability of monitoring requirements.	Yes	Additional monitoring requirements are found in § 63.9005(d) and 63.9035.
§ 63.8(a)(4)	Monitoring with flares	No	Subpart NNNNN does not refer directly or indirectly to § 63.11.
§ 63.8(b)	Conduct of monitoring and procedures when there are multiple effluents and multiple monitoring systems.	Yes.	
§ 63.8(c)(1)–(3)	Continuous monitoring system O&M.	Yes	Applies as modified by § 63.9005(d).
§ 63.8(c)(4)	Continuous monitoring system requirements during breakdown, out-of-control, repair, maintenance, and high-level calibration drifts.	Yes	Applies as modified by § 63.9005(d).
§ 63.8(c)(5)	Continuous opacity monitoring system (COMS) minimum procedures.	No	Subpart NNNNN does not have opacity or visible emission standards.
§ 63.8(c)(6)	Zero and high level calibration checks.	Yes	Applies as modified by § 63.9005(d).
§ 63.8(c)(7)(8)	Out-of-control periods, including reporting.	Yes.	
§ 63.8(d)–(e)	Quality control program and CMS performance evaluation.	No	Applies as modified by § 63.9005(d).

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Citation	Requirement	Applies to Subpart NNNNN	Explanation
§ 63.8(f)(1)–(5)	Use of an alternative monitoring method.	Yes.	
§ 63.8(f)(6)	Alternative to relative accuracy test.	No	Only applies to sources that use continuous emissions monitoring systems (CEMS).
§ 63.8(g)	Data reduction	Yes	Applies as modified by § 63.9005(d).
§ 63.9(a)	Notification requirements—applicability.	Yes.	
§ 63.9(b)	Initial notifications	Yes	Except § 63.9045(c) requires new or reconstructed affected sources to submit the application for construction or reconstruction required by § 63.9(b)(1) (iii) in lieu of the initial notification.
§ 63.9(c)	Request for compliance extension.	Yes.	
§ 63.9(d)	Notification that a new source is subject to special compliance requirements.	Yes.	
§ 63.9(e)	Notification of performance test.	Yes.	
§ 63.9(f)	Notification of visible emissions/opacity test.	No	Subpart NNNNN does not have opacity or visible emission standards.
§ 63.9(g)(1)	Additional CMS notifications—date of CMS performance evaluation.	Yes.	
§ 63.9(g)(2)	Use of COMS data	No	Subpart NNNNN does not require the use of COMS.
§ 63.9(g)(3)	Alternative to relative accuracy testing.	No	Applies only to sources with CEMS.
§ 63.9(h)	Notification of compliance status.	Yes.	
§ 63.9(i)	Adjustment of submittal deadlines.	Yes.	
§ 63.9(j)	Change in previous information.	Yes.	
§ 63.10(a)	Recordkeeping/reporting applicability.	Yes.	
§ 63.10(b)(1)	General recordkeeping requirements.	Yes	§§ 63.9055 and 63.9060 specify additional recordkeeping requirements.
§ 63.10(b)(2)(i)–(xi)	Records related to SSM periods and CMS.	Yes.	
§ 63.10(b)(2)(xii)	Records when under waiver ...	Yes.	
§ 63.10(b)(2)(xiii)	Records when using alternative to relative accuracy test.	No	Applies only to sources with CEMS.
§ 63.10(b)(2)(xiv)	All documentation supporting initial notification and notification of compliance status.	Yes.	

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Citation	Requirement	Applies to Subpart NNNNN	Explanation
§ 63.10(b)(3)	Recordkeeping requirements for applicability determinations.	Yes.	
§ 63.10(c)	Additional recordkeeping requirements for sources with CMS.	Yes	Applies as modified by § 63.9005(d).
§ 63.10(d)(1)	General reporting requirements.	Yes	§ 63.9050 specifies additional reporting requirements.
§ 63.10(d)(2)	Performance test results	Yes.	
§ 63.10(d)(3)	Opacity or visible emissions observations.	No	Subpart NNNNN does not specify opacity or visible emission standards.
§ 63.10(d)(4)	Progress reports for sources with compliance extensions.	Yes.	
§ 63.10(d)(5)	SSM reports	Yes.	
§ 63.10(e)(1)	Additional CMS reports—general.	Yes	Applies as modified by § 63.9005(d).
§ 63.10(e)(2)(i)	Results of CMS performance evaluations.	Yes	Applies as modified by § 63.9005(d).
§ 63.10(e)(2)(ii)	Results of COMS performance evaluations.	No	Subpart NNNNN does not require the use of COMS.
§ 63.10(e)(3)	Excess emissions/CMS performance reports.	Yes.	
§ 63.10(e)(4)	Continuous opacity monitoring system data reports.	No	Subpart NNNNN does not require the use of COMS.
§ 63.10(f)	Recordkeeping/reporting waiver.	Yes.	
§ 63.11	Control device requirements—applicability.	No	Facilities subject to subpart NNNNN do not use flares as control devices.
§ 63.12	State authority and delegations.	Yes	§ 63.9070 lists those sections of subparts NNNNN and A that are not delegated.
§ 63.13	Addresses	Yes.	
§ 63.14	Incorporation by reference	Yes	Subpart NNNNN does not incorporate any material by reference.
§ 63.15	Availability of information/confidentiality.	Yes.	

Subpart OOOOO [Reserved]

Subpart PTTTT—National Emission Standards for Hazardous Air Pollutants for Engine Test Cells/Stands

SOURCE: 68 FR 28785, May 27, 2003, unless otherwise noted.

WHAT THIS SUBPART COVERS

§ 63.9280 What is the purpose of subpart PTTTT?

This subpart PTTTT establishes national emission standards for hazardous air pollutants (NESHAP) for engine test cells/stands located at major sources of hazardous air pollutants (HAP) emissions. This subpart also establishes requirements to demonstrate initial and continuous compliance with