

- (b) In accordance with 40 CFR § 60.4 (relating to address) and 40 CFR § 63.10 (relating to recordkeeping and reporting requirements) copies of all requests, reports, applications, submittals and other communications shall also be submitted to the EPA Region III Office. Copies submitted to EPA shall be sent to the following address:

Office of Air Enforcement and Compliance Assistance (3AP20)
United States Environmental Protection Agency
Region III
1650 Arch St.
Philadelphia, PA 19103-2029

19. Emission Limitations and/or Operating Requirements Previously Established for Best Available Technology and/or to Restrict Operations

- (a) This General Permit cannot be used to relax best available technology or other emission limitations or requirements previously established through the air quality permitting process.
- (b) An owner or operator of a natural gas compression and processing facility may apply to the Department for a plan approval for any air contamination source in lieu of seeking authorization to use the general plan approval for natural gas compression and/or processing facilities.

20. Transfer of Ownership

The authorization to use GP-5 may not be transferred from the owner or operator of a natural gas compression and processing facility except when the change of ownership is demonstrated to the satisfaction of the Department and the Department approves the transfer of the authorization in writing. Within thirty (30) days after a change of ownership of the facility, the new owner or operator shall submit to the Department a GP-5 Application, compliance review form, and applicable fees in accordance with Condition 13 of this General Permit.

21. Expiration and Re-authorization of the Use of GP-5

- (a) The authorization granted by the Department to construct and/or operate under this General Permit shall terminate on the date of expiration of the authorization unless a complete application for the use of GP-5 is submitted to the Department at least thirty (30) days prior to the expiration date of the authorization.
- (b) Upon receipt by the Department of a timely and administratively and technically complete application for re-authorization to operate under this General Permit, the owner or operator may continue to operate the natural gas compression and/or processing facility subject to final action by the Department on the GP-5 application provided that the facility is operated in compliance with all terms and conditions of this General Permit. The authorization to use GP-5 shall cease to exist if the owner or operator fails to

submit, by the deadline specified by the Department, any additional information requested by the Department to process the application.

22. Source Test Requirements

The owner or operator of any source subject to performance testing requirements in this General Permit shall comply with the following:

- (a) Within one hundred eighty (180) days after the initial startup of the engine or turbine, the owner or operator shall demonstrate compliance with the applicable emission limits and furnish the Department a written report of the result of such performance test.
- (b) At least thirty (30) calendar days prior to commencing an emission testing program to demonstrate compliance required by this General Permit, a Test Protocol shall be submitted to the Department's Division of Source Testing and Monitoring and the appropriate Regional Office for review and approval. The Test Protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual. The emissions testing shall not commence prior to receipt of a protocol acceptance letter from the Department.
- (c) At least fifteen (15) calendar days prior to commencing an emission testing program to demonstrate compliance required by this General Permit, written notification of the date and time of testing shall be provided to the Department's appropriate Regional Office. Notification, in writing, shall also be sent to the Department's Bureau of Air Quality, Division of Source Testing and Monitoring, so that an observer may be present. The Department is under no obligation to accept the results of any testing performed without adequate advance written notice to the Department of such testing.
- (d) Within fifteen (15) calendar days after completion of the on-site testing portion of an emission test program to demonstrate compliance required by this General Permit, if a complete test report has not yet been submitted, an electronic notification shall be sent to the Department's Division of Source Testing and Monitoring and the appropriate Regional Office indicating the completion date of the on-site testing.
- (e) A complete test report shall be submitted to the Department's Division of Source Testing and Monitoring and the appropriate Regional Office no later than sixty (60) calendar days after completion of the on-site testing portion of an emission test program required by this General Permit.
- (f) The complete test report shall include a summary of the emission results at the beginning of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or non-compliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:

- (i) A statement that the owner or operator has reviewed the report from the emissions testing company and agrees with the findings;
 - (ii) Permit number(s) and condition(s) that are the basis for the evaluation;
 - (iii) Summary of results with respect to each applicable permit condition; and
 - (iv) Statement of compliance or non-compliance with each applicable permit condition.
- (g) All submittals with the exception of periodic monitoring data shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.
- (h) All testing with the exception of periodic monitoring shall be performed in accordance with any applicable federal regulations (such as New Source Performance Standards), 25 Pa. Code, Chapter 139, and the current revision of the Department's Source Testing Manual or an alternative test method as approved by the Department. The owner or operator of the facility shall use the following federal reference methods or alternative test methods approved, in writing, by the Department to demonstrate compliance:

40 CFR Part 60, Appendix A, Method 5 and EPA Test Method 202 shall be used to determine the Total Particulate Matter emissions.

40 CFR Part 60, Appendix A, Method 7E shall be used to determine the nitrogen oxide (NO_x) emissions.

40 CFR Part 60, Appendix A, Method 10 shall be used to determine the carbon monoxide (CO) emissions.

40 CFR Part 60 Methods 25A and 18 or 40 CFR Part 60 Method 25A and 40 CFR Part 63 Method 320 shall be used to determine the NonMethane Non-Ethane Hydrocarbon (NMNEHC) emissions.

40 CFR Part 63 Appendix A, Method 320 or Method 328 shall be used to determine the Formaldehyde (HCHO) emissions.

- (i) Reports, protocols and test completion notification with the exception of periodic monitoring data shall be submitted through PSIMS*Online available through <https://www.depgreenport.state.pa.us/ecommm/Login.jsp>. If internet submittal is not feasible, copies of the submittal shall be sent to the appropriate Pennsylvania Department of Environmental Protection Regional Office and to the attention of the Department's Bureau of Air Quality, Division of Source Testing and Monitoring, 400 Market Street, 12th Floor Rachel Carson State Office Building, Harrisburg, PA 17105-8468, with deadlines verified through document postmarks.

- (j) The owner or operator shall ensure that all applicable federal reporting requirements are followed, including timelines more stringent than those contained herein. In the event of an inconsistency or any conflicting requirements between federal and state laws and regulation, the owner or operator shall comply with the most stringent provision, term, condition, method or rule.
- (k) If, at any time, the Department has notified the owner or operator that the air contaminant emissions from the source operating under this General Permit are, or may be, in excess of any applicable air contaminant emission limitation, the owner or operator shall conduct source tests deemed necessary by the Department to determine the actual air contaminant emission rate. The testing shall be conducted in accordance with the applicable provisions of 25 *Pa. Code*, Chapter 139 (relating to sampling and testing) as well as in accordance with any additional requirements or conditions established by the Department at the time the owner or operator is notified, in writing, of the need to conduct testing.

23. Applicable Laws

Nothing in this General Permit relieves the facility owner or operator from the obligation to comply with all applicable Federal, state and local laws and regulations including 25 *Pa. Code* Article III (relating to air resources). Applicable Federal regulations include, but are not limited to, the following New Source Performance Standards codified at 40 CFR Part 60 (incorporated by reference in 25 *Pa. Code* § 122.3) and National Emission Standards for Hazardous Air Pollutants codified at 40 CFR Part 63 (incorporated by reference in 25 *Pa. Code* § 127.35):

- (a) 40 CFR Part 60, Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984.
- (b) 40 CFR Part 60, Subpart KKK – Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants.
- (c) 40 CFR Part 60, Subpart LLL – Standards of Performance for Onshore Natural Gas Processing: SO₂ Emissions
- (d) 40 CFR Part 60, Subpart JJJJ – Standards of Performance for Stationary Spark Ignition Internal Combustion Engines.
- (e) 40 CFR Part 60, Subpart KKKK – Standards of Performance for Stationary Combustion Turbines.
- (f) 40 CFR Part 60, Subpart OOOO – Standards of Performance for Crude Oil and Natural Gas Production, Transmission, and Distribution.

- (g) 40 CFR Part 63, Subpart HH – National Emissions Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities.
- (h) 40 CFR Part 63, Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines.

SECTION B. REQUIREMENTS FOR NATURAL GAS-FIRED SPARK IGNITION INTERNAL COMBUSTION ENGINES

1. Emission Standards for Existing Engines

In accordance with 25 *Pa. Code* §§ 127.1 and 127.12(a)(5), any existing engine operating under GP-5 authorizations approved by the Department prior to the issuance of this General Permit shall continue to comply with the emissions standards and other requirements in Condition 1(a) or 1(b) of this section.

- (a) The engine shall be operated or equipped with air cleaning devices to meet the following emission levels:
 - (i) Oxides of Nitrogen ("NO_x") (as NO₂) at rated brake horsepower (bhp) and operating at rated speed of two (2.0) grams per bhp-hour (gm/bhp-hr).
 - (ii) Non Methane Hydrocarbon excluding formaldehyde (NMHC) (as propane) at rated bhp and operating at rated speed of two (2.0) gm/bhp-hr.
 - (iii) Carbon Monoxide ("CO") at rated bhp and operating at rated speed of two (2.0) gm/bhp-hr.
- (b) At operating conditions less than rated capacity, internal combustion engines shall, on a pounds-per-hour basis, emit no more than they emit at rated bhp and rated speed.
- (c) In accordance with 25 *Pa. Code* §§ 127.1 and 127.12(a)(5), visible emissions shall not exceed either of the following limitations:
 - (i) Equal to or greater than 10 percent for a period or periods aggregating more than three (3) minutes in any one hour.
 - (ii) Equal to or greater than 30 percent at any time.
- (d) The owner or operator of the engine shall comply with the applicable Standards of Performance ("NSPS") for Stationary Spark Ignition Internal Combustion Engines specified in 40 CFR Part 60, Subpart JJJJ, and/or the National Emission Standards for Hazardous Air Pollutants ("NESHAP") for Stationary Spark Ignition Internal Combustion Engines specified in 40 CFR Part 63, Subpart ZZZZ.

2. Emission Standards for New Stationary Engines

- (a) In accordance with 25 Pa. Code §§ 127.1 and 127.12 (a) (5), a new engine for which construction or reconstruction commenced after the effective date of this General Permit shall not exceed the emissions standards specified in the following table:

Engine Type	Rated bhp	NO _x	CO	NMNEHC as propane (excluding HCHO)	HCHO
NG-fired Lean and Rich burn	≤100	2.0 gm/bhp-hr	2.0 gm/bhp-hr	-	-
NG-fired Lean-burn	>100 to ≤500	1.0 gm/bhp-hr	2.0 gm/bhp-hr	0.70 gm/bhp-hr	-
NG-fired Lean-burn	>500	0.50 gm/bhp-hr	47 ppmvd @ 15% O ₂ or 93% reduction	0.25 gm/bhp-hr	0.05 gm/bhp-hr
NG-fired Rich-burn	>100 to ≤500	0.25 gm/bhp-hr	0.30 gm/bhp-hr	0.20 gm/bhp-hr	
NG-fired Rich-burn	>500	0.20 gm/bhp-hr	0.30 gm/bhp-hr	0.20 gm/bhp-hr	2.7 ppmvd @ 15% O ₂ or 76% reduction

- (b) The owner or operator of the engine shall also comply with all other applicable NSPS requirements established in 40 CFR Part 60, Subpart JJJJ, Subpart OOOO, and the NESHAP requirements in 40 CFR Part 63, Subpart ZZZZ.
- (c) In accordance with 25 Pa. Code §§ 127.1 and 127.12(a)(5), visible emissions from the engine shall not exceed either of the following limitations:
- (i) Equal to or greater than 10 percent for a period or periods aggregating more than three (3) minutes in any one (1)-hour; and
 - (ii) Equal to or greater than 30 percent at any time.

3. Start-up and Shut-down Exception for Engines

The emission limitations specified in Section B, Conditions 1 and 2 of this General Permit shall apply at all times except during periods of start-up and shut-down provided that the duration of start-up and shut down does not exceed 30 minutes per occurrence. The owner or operator shall operate the engine in a manner consistent with good air pollution control practices for minimizing emissions at all times, including periods of startup and shutdown. The emissions from start-up and shut-down shall be included in the 12-month rolling sum of emissions. The owner

or operator of the engine shall comply with all applicable start-up and shut-down requirements in accordance with 40 CFR Part 60, Subpart JJJJ, and 40 CFR Part 63, Subpart ZZZZ.

4. Performance Testing Requirements for Engines

- (a) For a new or reconstructed engine which has a rated capacity less than or equal to 500 brake horsepower, vendor guarantees or Department-approved data from test conducted within 12-months on an identical engine for NO_x, CO, and NMHC or NMNEHC shall be sufficient to verify emissions rates. However, the Department reserves the right to require additional information to verify any emission rates that may include source testing in accordance with applicable provisions of 25 *Pa. Code* Chapter 139 (relating to sampling and testing). The vendor guarantees shall not be construed to satisfy the engine certification requirements specified in 40 CFR § 60.4243.
- (b) For a new or reconstructed engine which has a rated capacity greater than 500 brake horsepower, within one hundred eighty (180) days after initial start-up or re-authorization of this General Permit, the owner or operator shall perform source testing on each affected engine in accordance with applicable provisions of 25 *Pa. Code* Chapter 139 (relating to sampling and testing) on each affected engine for NO_x, CO, HCHO, and NMHC or NMNEHC and furnish the Department a written report of the result of such performance test. Engine testing load conditions shall be representative to within 10 percent of 100% peak or the highest achievable load. The source testing shall be conducted in accordance with the requirements specified in Conditions 21 and 22 in Section A of this General Permit.
- (c) In addition to the source testing required by Condition 4(b) of Section B, every 2,500 hours of operation and no sooner than forty-five (45) days from the previous test, the owner or operator shall perform periodic monitoring for NO_x and CO emissions to verify continued compliance upon each of the respective engines which has a rated capacity greater than 500 brake horsepower and subject to the BAT as specified in Section B, Conditions 1 and 2 of this General Permit. A Department-approved test that has been performed within 45 days prior to the scheduled periodic monitoring may be used in lieu of the periodic monitoring for that time period. A portable gas analyzer may be used to satisfy the requirements of this condition utilizing three test runs of twenty (20) minutes for each test run. The Department may alter the frequency of portable analyzer tests based on the test results. The frequency of portable gas analyzer tests may be altered with written Departmental approval. The portable gas analyzer shall be used and maintained according to the manufacturer's specifications and the procedures specified in ASTM D 6522 or equivalent as approved by the Department.
- (d) Within thirty (30) calendar days after the completion of periodic monitoring, the owner or operator shall submit the results to the appropriate DEP Regional Office. The Department reserves the right to require source tests in

accordance with EPA reference methods should the data from the portable analyzer warrant such tests.

5. Work Practice and Monitoring Requirements for Engines

- (a) In accordance with 25 *Pa. Code* §§ 127.1 and 127.12(a)(5), the owner or operator of a new or reconstructed natural gas-fired engine shall install, maintain, and operate each engine and associated air pollution control equipment in accordance with manufacturer's specifications.
- (b) The owner or operator shall maintain comprehensive accurate records of number of hours per month that each engine operated using a non-resettable hour meter, the amount of each fuel type that is used per month in each engine, the date the GP-5 authorization was issued, the date construction began, the date of initial startup, the date testing is required, parameters required to be tested, and the date testing was performed for each engine.
- (c) In accordance with 25 *Pa. Code* §§ 127.1 and 127.12(a)(5), the owner or operator of an engine shall comply with the monitoring requirements specified in 40 CFR §§ 60.4237 and 63.6625.

6. Notification, Recordkeeping and Reporting Requirements for Engines

- (a) The owner or operator of an engine shall also comply with the applicable notification, reporting, and recordkeeping requirements specified in 40 CFR §§ 60.4245 and 63.6645.
- (b) Submittal of reports in accordance with the requirements and schedules outlined in this General Permit.
- (c) These records shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

SECTION C. REQUIREMENTS FOR NATURAL GAS-FIRED SIMPLE CYCLE GAS TURBINES

1. Emissions Standards for Turbines

The owner or operator of a new or reconstructed turbine with a rated capacity equal to or greater than 1000 bhp or 10.7 gigajoules per hour (10 MMBtu/ per hour), based on the higher heating value (HHV) of the fuel that commenced construction, modification, or reconstruction after February 18, 2005, shall comply with applicable requirements specified in 40 CFR Part 60, Subpart KKKK.

- (a) In accordance with 25 *Pa. Code* §§ 127.1 and 127.12(a)(5), the owner or operator of a new or reconstructed turbine shall not exceed the following emissions standards:

Turbine Size (BHP)	NO _x ppmvd corrected at 15% O ₂	CO ppmvd corrected at 15% O ₂	NMNEHC (as Propane) ppmvd corrected at 15% O ₂	Total Particulate Matter Lbs/MMBtu
≥1,000 and <5,000	25	25	9	0.03
≥5,000 and <15,000	15	25	9	0.03
≥15,000	15	10 ppm or 93% reduction	5 ppm or 50% reduction	0.03

- (b) Compliance with the emissions standards in this section shall be considered compliance with the NSPS emissions standards specified in 40 CFR Part 60, Subpart KKKK and 25 *Pa. Code* Chapter 122 (relating to national standards of performance for new stationary sources).

2. Start-up and Shut-down Exception for Turbines

The emission limitations specified in Section C, Condition 1 of this General Permit shall apply at all times except during periods of start-up and shut-down, provided, however, that the duration of start-up and shut-down do not exceed thirty (30) minutes per occurrence. The turbine shall be operated in a manner consistent with good air pollution control practices for minimizing emissions, at all times, including periods of startup, shutdown, and malfunction. The emissions from start-up and shut-down shall be included in the 12-month rolling sum of emissions. The owner or operator of a turbine shall comply with all applicable start-up and shut-down requirements in accordance with 40 CFR Part 60, Subpart KKKK.

3. Performance Testing Requirements for Turbines

- (a) For a new or reconstructed turbine, within one hundred eighty (180) days after initial start-up or re-authorization of this General Permit, the owner or operator shall perform source testing on each affected turbine for NO_x, CO, NMNEHC, Total Particulate Matter, and furnish the Department a written report of the results of such performance testing. Turbine testing load conditions shall be within 10 percent of the 100% peak or the highest achievable load. The source testing shall be conducted in accordance with the requirements specified in Conditions 21 and 22 of Section A in this General Permit.
- (b) In addition to the source testing required by this condition, every 2,500 hours of operation and no sooner than forty-five (45) days from the previous test, the owner or operator shall perform periodic monitoring for NO_x and CO emissions to verify that each turbine is in compliance with the BAT requirements established in Section C, Condition 1 of this General Permit for turbines. If a Department-approved test has been performed within 45 days prior to the scheduled periodic monitoring, this test may be used in lieu of the periodic monitoring for that time period.

A portable gas analyzer may be used to satisfy the requirements of this condition utilizing three 20-minute test runs. The Department may alter the frequency of portable analyzer tests based on the results. The portable gas analyzer shall be maintained according to the manufacturer's specifications and the procedures specified in ASTM D 6522 or equivalent as approved by the Department. The Department may also waive all or parts of this requirement if the owner or operator demonstrates compliance, in lieu of testing, through alternate means satisfactory to the Department.

- (c) Within thirty (30) calendar days after the completion of periodic monitoring, the owner or operator shall submit the results to the appropriate DEP Regional Office. The Department reserves the right to require source tests in accordance with EPA reference methods should the data from the portable analyzer warrant such tests.

4. Work Practice and Monitoring Requirements for Turbines

- (a) In accordance with 25 *Pa. Code* §§ 127.1 and 127.12(a)(5), the owner or operator of a new or reconstructed turbine shall install, maintain, and operate the turbine and associated air pollution control equipment in accordance with manufacturer's specifications.
- (b) The owner or operator shall maintain comprehensive, accurate records of number of hours per month that each turbine operated using a non-resettable hour meter, amount of each fuel type that is used per month in each, date GP-5 issued, date construction began, date of initial startup, date testing is required, parameters required to be tested, and date testing was performed for each turbine.
- (c) The owner or operator of any turbine shall comply with the applicable monitoring requirements specified in 40 CFR §§ 60.4335 through 60.4370.

5. Notification, Recordkeeping and Reporting Requirements for Turbines

- (a) The owner or operator of a turbine shall comply with the notification, reporting, and recordkeeping requirements specified in 40 CFR §§ 60.4245 and 63.6645.
- (b) Submittal of reports in accordance with the requirements and schedules outlined in this General Permit.
- (c) These records shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

SECTION D. REQUIREMENTS FOR CENTRIFUGAL COMPRESSORS

The owner or operator of centrifugal compressors shall also comply with the applicable requirements specified in 40 CFR Part 60, Subpart OOOO.

SECTION E. REQUIREMENTS FOR STORAGE VESSELS / STORAGE TANKS

The owner or operator of each storage vessel / storage tank shall also comply with the applicable requirements specified in 40 CFR Part 60, Subparts Kb and OOOO and 40 CFR Part 63, Subpart HH (relating to national emission standards for hazardous Air pollutants from oil and natural gas production facilities).

1. In accordance with 25 *Pa. Code* §§ 127.1 and 127.12(a)(5), the owner or operator of each storage tank with a capacity greater than 40,000 gallons shall also comply with the requirements specified in 25 *Pa. Code* § 129.56.
2. In accordance with 25 *Pa. Code* §§ 127.1 and 127.12(a) (5), the owner or operator of each storage tank with a capacity less than or equal to 40,000 gallons shall also comply with the requirements in 25 *Pa. Code* § 129.57.

SECTION F. REQUIREMENTS FOR GLYCOL DEHYDRATORS

1. The owner or operator of each glycol dehydrator located at natural gas compression and/or processing facility shall comply with the applicable requirements established in 40 CFR Part 63, Subpart HH. The owner or operator of each glycol dehydrator located at natural gas compression, and/or processing facility shall also comply with the visible emissions and malodor requirements in Conditions 2 (d) and (e) of this section.
2. The owner or operator of any existing glycol dehydrator, which has a total uncontrolled potential emission rate of VOC in excess of ten (10) tons per year, and authorized to operate under previously issued GP-5, shall continue to comply with the emissions standards and other requirements in paragraph (a) through (j) of this condition and any applicable requirements established in 40 CFR Part 63, Subpart HH.
 - (a) The VOC emissions from the glycol dehydrator still vent stream shall be controlled either by at least 85% with a condenser, a flare or other air cleaning device, or any alternative methods as approved by the Department. This control efficiency requirement must be demonstrated to the satisfaction of the Department.
 - (b) A glycol dehydrator using a condenser as an air cleaning device shall daily achieve an average final exhaust temperature of less than 110 degrees Fahrenheit (110 °F).
 - (c) A glycol dehydrator using a flare as an air cleaning device shall ensure destruction of VOC emissions to the flare stack by maintaining the heat content of the flare gas above 300 Btu/scf. The owner or operator shall document daily visual observations of the continuous presence of a flame. Alternatively, the owner or operator may equip the flare with a heat sensing monitoring device with a continuous recorder that indicates the continuous ignition of the pilot flame. The flare shall be designed and operated in accordance with the applicable requirements in 40 CFR § 60.18.

- (d) Visible emissions from a glycol dehydrator using a flare shall not exceed either of the following limitations:
 - (i) Equal to or greater than 10% for a period or periods aggregating more than 3 minutes in any one hour.
 - (ii) Equal to or greater than 30% at any time.
 - (e) A glycol dehydrator shall not emit malodorous air contaminants in such a manner that the malodors are detectable outside the facility property.
 - (f) The owner or operator of a glycol dehydrator shall maintain records of the results of any testing conducted to determine compliance with paragraphs (a) through (e) of this condition.
 - (g) If a condenser is installed as an air cleaning device on a glycol dehydrator, the owner or operator shall maintain records of final exhaust temperature and time observed twice per week on different days during daylight hours.
 - (h) If a flare is used as an air cleaning device for the glycol dehydrator, the owner or operator shall maintain a record of daily visual observations of the continuous presence of a flame or a record of the continuous recorder that indicates the continuous ignition of the pilot flame.
 - (i) The owner or operator of the glycol dehydrator shall maintain records of the date of any maintenance and repair of the required air cleaning device and duration of uncontrolled emissions during such activities.
 - (j) The owner or operator of a glycol dehydrator shall maintain the following records:
 - (i) VOC emissions using GRI-GLYCalc computer software or an alternative method as approved by the Department.
 - (ii) A record of actual throughput per day and the glycol circulation rate.
3. The owner or operator of a new glycol dehydrator, which is not subject to the requirements established in 40 CFR Part 63, Subpart HH and has a total uncontrolled potential emission rate of VOC in excess of five (5) tons per year shall be controlled either by at least 95% with a condenser, a flare or other air cleaning device, or any alternative methods as approved by the Department. This control efficiency requirement must be demonstrated to the satisfaction of the Department. The owner or operator of a new glycol dehydrator shall also comply with the requirements in Condition 2 (b) through (j) of this section.
4. The owner or operator of a new glycol dehydrator, which is not subject to the requirements established in 40 CFR Part 63, Subpart HH and has a total uncontrolled potential VOC emission rate of equal to or less than five (5) tons per

year shall comply with the requirements in Condition 2 (d), (e), and (j) of this section.

SECTION G. REQUIREMENTS FOR ONSHORE NATURAL GAS PROCESSING PLANTS

In accordance with 25 *Pa. Code* §§ 127.11 and 127.12(a)(5), the owner or operator of a fractionation unit located at an onshore natural gas processing plant shall comply with 40 CFR Part 60, Subpart KKK – Standards of Performance for Equipment Leaks of VOCs from Onshore Natural Gas Processing Plants.

SECTION H. REQUIREMENTS FOR EQUIPMENT LEAKS

1. The owner or operator of the natural gas compression and/or processing facility shall, at a minimum, on a monthly basis perform a leak detection and repair program that includes audible, visual, and olfactory ("AVO") inspections.
2. Within 180 days after the initial startup of a source, the owner or operator of the facility shall, at a minimum on a quarterly basis, use forward looking infrared ("FLIR") cameras or other leak detection monitoring devices approved by the Department for the detection of fugitive leaks. The Department may grant an extension for use of FLIR camera upon receipt of a written request from the owner or operator of the facility documenting the justification for the requested extension.
3. If any leak is detected, the owner or operator of the facility shall repair the leak as expeditiously as practicable, but no later than fifteen (15) days after the leak is detected, except as provided in 40 CFR § 60.482-9. The owner or operator shall record each leak detected and the associated repair activity. These records shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

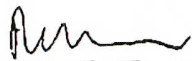
SECTION I. REQUIREMENTS FOR PNEUMATIC CONTROLLERS

The owner or operator of each pneumatic controller affected facility shall also comply with the applicable requirements specified in 40 CFR Part 60, Subpart OOOO.

SECTION J. REQUIREMENTS FOR SWEETENING UNITS

In accordance with 25 *Pa. Code* §§ 127.11 and 127.12(a)(5), the owner or operator of a sweetening unit shall also comply with the applicable requirements of 40 CFR Part 60, Subparts KKK and OOOO.

Approved by: _____


Krishnan Ramamurthy
Chief, Division of Permits
Bureau of Air Quality

Date Approved: _____

02/01/2013

Date Corrected (Minor): _____

02/26/2013