COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date:	May 14, 2015	Effective Date:	June 6, 2017
Revision Date:	June 6, 2017	Expiration Date:	[redacted]
Revision Type:	Modification, Significant		

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to operate the air emission source(s) more fully described in this permit. This Facility is subject to all terms and conditions specified in this permit. Nothing in this permit relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable applicable requirements unless otherwise designated as "State-Only" or "non-applicable" requirements.

TITLE V Permit No: 41-00001

Federal Tax Id - Plant Code: 74-1079400-8

Owner Information

Name: TRANSCONTINENTAL GAS PIPE LINE CO LLC
Mailing Address: PO BOX 1396
HOUSTON, TX 77251-1396

Plant Information

Plant: TRANSCONTINENTAL GAS/SALLADASBURG STATION 520
Location: 41 Lycoming County 41931 Mifflin Township
SIC Code: 4922 Trans. & Utilities - Natural Gas Transmission

Responsible Official

Name: KENNY JACOBS
Title:
Phone (713) 215 - 4584

Permit Contact Person

Name: RAFAEL CASTILLO
Title:
Phone: (713) 215 - 2641

[Signature] Muhammad Q. Zaman
MUHAMMAD Q. ZAMAN, ENVIRONMENTAL PROGRAM MANAGER, NORTHCENTRAL REGION

[redacted]

SECTION A. Table of Contents

[redacted]

SECTION A. Table of Contents

[redacted]

SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput		Fuel/Material
[redacted]	[redacted]	[redacted]	[redacted]	
		[redacted]	[redacted]	[redacted]
[redacted]	[redacted]			
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
P106	SOLAR MARS TURBINE 1 (12,600 HP)	112.800	MCF/HR	Natural Gas
P107	SOLAR MARS TURBINE 2 (12,600 HP)	112.800	MCF/HR	Natural Gas
[redacted]	[redacted]			
[redacted]	[redacted]		[redacted]	[redacted]
[redacted]	[redacted]			
[redacted]	[redacted]			
FM01	NATURAL GAS PIPELINE			
[redacted]	[redacted]			
[redacted]	[redacted]			
[redacted]	[redacted]			
[redacted]	[redacted]			
[redacted]	[redacted]			
[redacted]	[redacted]			
[redacted]	[redacted]			
S106	TURBINE 1 STACK			
S107	TURBINE 2 STACK			
[redacted]	[redacted]			
[redacted]	[redacted]			
[redacted]	[redacted]			
[redacted]	[redacted]			

PERMIT MAPS

[redacted] → [redacted]

[redacted]

[redacted] → [redacted]

[redacted]

PERMIT MAPS

[redacted] → [redacted]

[redacted] ↑

[redacted] → [redacted]

[redacted] ↑

[redacted] → [redacted]

[redacted] ↑

[redacted] → [redacted]

[redacted] ↑

[redacted] → [redacted]

[redacted] ↑

PROC P106 → STAC S106

FML FM01 ↑

PROC P107 → STAC S107

FML FM01 ↑

[redacted] → [redacted]

[redacted] → [redacted]

[redacted] ↑

[redacted] → [redacted]

RACT2 41-00001 Redacted Permit

The following page ranges have been omitted from the redacted permit since they have no applicable case by case RACT2 conditions:

- 7 - 42
- 51 - 61

PERMIT MAPS

[redacted] → [redacted]

SECTION D. Source Level Requirements

Source ID: P106 Source Name: SOLAR MARS TURBINE 1 (12,600 HP)

Source Capacity/Throughput: 112.800 MCF/HR Natural Gas

I. RESTRICTIONS.

Emission Restriction(s).

[redacted]

[redacted]

[redacted]

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1, 127.12, and 129.99(a).]

[Compliance with the requirement specified in this streamlined permit condition assures compliance with the provision in 40 CFR 60.332(a)]

The permittee shall not permit the emission of nitrogen oxides (NOx, expressed as NO2) from Source ID P106 in excess of the following limitations:

(a) 79.3 pounds per hour

(b) 95.2 tons in any 12 consecutive month period.

[redacted]

[redacted]

SECTION D. Source Level Requirements

[redacted]

Operation Hours Restriction(s).

 # 007 [25 Pa. Code §127.441]
Operating permit terms and conditions.
[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1, 127.12, 129.91 and 129.99(a).]

The permittee shall not operate Source ID P106 in excess of 2,400 hours in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

 # 008 [25 Pa. Code §127.441]
Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.91, 129.100(a)(4) and 127.511.]

(a) No later than five years following the previous stack test on this source, the permittee shall perform an EPA reference method nitrogen oxides (NOx, expressed as NO2), [redacted] volatile organic compound (VOC) [redacted] stack testing on Source ID P106.

(b) All testing is to be done using reference method test procedures acceptable to the Department. All testing is to be performed while Source ID P106 is operating at full load and full speed.

(c) The testing requirements specified in Section C of this Title V operating permit shall be followed.

[redacted]

SECTION D. Source Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

 # 012 [25 Pa. Code §127.441]
Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.95, 129.100(d) and 127.511.]

(a) The permittee shall keep records of the following information for Source ID P106:

(1) The number of hours operated on a monthly basis and calculations to verify compliance with the operational hour limitation in any 12 consecutive month period.

(2) The amount of fuel consumed per month.

(3) The custom fuel monitoring report.

(4) The supporting calculations used to verify the [redacted] and volatile organic compounds emission limitations for Source ID P106.

(5) The emission of nitrogen oxide, [redacted] on a monthly basis and calculations to verify compliance with the nitrogen oxide, carbon monoxide and nonmethane hydrocarbon emission limitations in any 12 consecutive month period.

(6) The results and calculations from all stack tests and portable gas analyzer tests conducted on Source ID P106.

(b) These records shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

[redacted]

SECTION D. Source Level Requirements

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted] [redacted]

[redacted]

[redacted] [redacted]

[redacted]

[redacted]

[redacted]

[redacted]

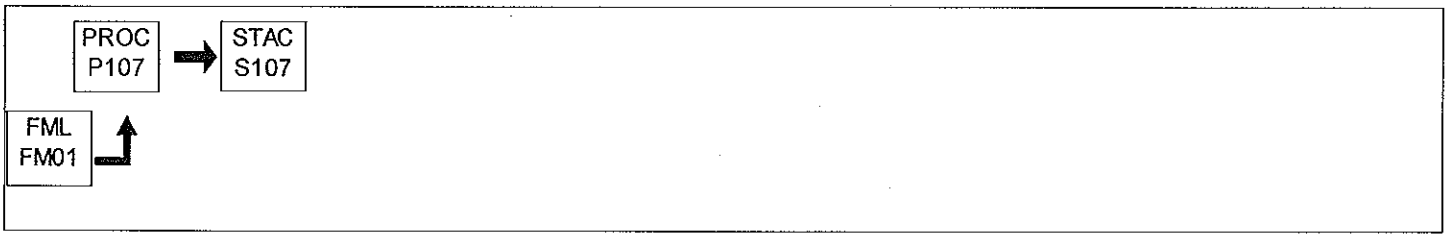
[redacted]

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

Source ID: P107 Source Name: SOLAR MARS TURBINE 2 (12,600 HP)

Source Capacity/Throughput: 112.800 MCF/HR Natural Gas



I. RESTRICTIONS.

Emission Restriction(s).

[redacted]

 # 004 [25 Pa. Code §127.441]
Operating permit terms and conditions.
[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1, 127.12, and 129.99(a).]

[Compliance with the requirement specified in this streamlined permit condition assures compliance with the provision in 40 CFR 60.332(a)]

The permittee shall not permit the emission of nitrogen oxides (NOx, expressed as NO2) from Source ID P107 in excess of the following limitations:

(a) 79.3 pounds per hour.

(b) 133.2 tons in any 12 consecutive month period.

[redacted]

SECTION D. Source Level Requirements

[redacted]

Operation Hours Restriction(s).

 # 007 [25 Pa. Code §127.441]
Operating permit terms and conditions.
[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1, 127,12, 129.91 and 129.99(a).]

The permittee shall not operate Source ID P107 in excess of 3,360 hours in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

[redacted]

 # 009 [25 Pa. Code §127.441]
Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.91, 129.100(a)(4) and 127.511.]

(a) No later than five years following the previous stack test on this source, the permittee shall perform an EPA reference method nitrogen oxides (NOx, expressed as NO2), [redacted] volatile organic compound (VOC) [redacted] stack testing on Source ID P107.

(b) All testing is to be done using reference method test procedures acceptable to the Department. All testing is to be performed while Source ID P107 is operating at full load and full speed.

(c) The testing requirements specified in Section C of this Title V operating permit shall be followed.

[redacted]

SECTION D. Source Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

 # 012 [25 Pa. Code §127.441]
Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.95, 129.100(d) and 127.511.]

(a) The permittee shall keep records of the following information for Source ID P107:

(1) The number of hours operated on a monthly basis and calculations to verify compliance with the operational hour limitation in any 12 consecutive month period.

(2) The amount of fuel consumed per month.

(3) The custom fuel monitoring report.

(4) The calculations used to verify the [redacted] volatile organic compounds emission limitations for Source ID P107.

(5) The emission of nitrogen oxide, [redacted] on a monthly basis and calculations to verify compliance with the nitrogen oxide, carbon monoxide and nonmethane hydrocarbon emission limitations in any 12 consecutive month period.

(6) The results and calculations from all stack tests conducted on the source.

(b) These records shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

[redacted]

SECTION D. Source Level Requirements

[redacted]

***** Permit Shield in Effect. *****