

*West Virginia Department of Environmental Protection
Division of Air Quality*

Joe Manchin III
Governor

Stephanie R. Timmermeyer
Cabinet Secretary

General Permit Registration



*Pursuant to
Title V
of the Clean Air Act*

**Columbia Gas Transmission Corporation
Adaline Compressor Station
R30-NGGP-2007-05100100
Effective Date: October 30, 2007**

*John A. Benedict
Director*

Date Signed: October 15, 2007

Registration Number: **R30-NGGP-2007-05100100**
Permittee: **Columbia Gas Transmission Corporation**
Facility Name: **Adaline Compressor Station**
Mailing Address: 1700 MacCorkle Avenue, SE
Charleston, WV 25314
Permit Contact: Kasey Gabbard, NiSource EH&S
Phone: (304) 357-2079 Fax: (304) 357-2770

This Registration is issued in accordance with the West Virginia Air Pollution Control Act (West Virginia Code §§ 22-5-1 et seq.) and 45CSR30 — Requirements for Operating Permits. The permittee identified at the above-referenced facility is authorized to operate the stationary sources of air pollutants identified herein in accordance with all terms and conditions of this Registration and of Permit Number R30-NGGP-2007.

Facility Location:	Cameron, Marshall County, West Virginia
Mailing Address:	Route 5, Box 100, Cameron, WV 26033
Telephone Number:	(304) 686-3588
Type of Business Entity:	Corporation
Facility ID #:	051-00100
Facility Description:	Natural Gas Transmission Facility
SIC Codes:	4922
UTM Coordinates:	530.4 km Easting • 4401.6 km Northing • Zone 17

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§ 22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §22-5-14.

Issuance of this Title V Operating Permit Registration does not supersede or invalidate any existing permits under 45CSR13, 14 or 19, although all applicable requirements from such permits governing the facility's operation and compliance have been incorporated into the Title V Operating Permit.

Emission Units

Emission Unit ID	Emission Point ID	Emission Unit Description (Make, Model, Serial No.)	Year Installed	Design Capacity	Control Device	Applicable Natural Gas General Permit (R30-NGGP-2007) Sections
Facility-wide						Section 2.0, Sections 3.1.1 to 3.1.8, 3.1.12 to 3.1.15, 3.2, 3.3, 3.4, 3.5 & 3.7.
BLR1* BLR5*	BL1 BL5	DEG Dehydrator Reboiler; Gas Conditioners Inc.; Model # S814-10H	1985 2010	0.5 0.55 MMBtu/hr	None	R13-2149C Section 4.0
BLR2* BLR6*	BL2 BL6	DEG Dehydrator Reboiler; Gas Conditioners Inc.; Model # S814-10H	1984 2010	0.5 0.55 MMBtu/hr	None	R13-2149C Section 4.0
BLR3* BRL7*	BL3 BL7	DEG Dehydrator Reboiler; Gas Conditioners Inc.; Model # S814-10H	1984 2010	0.5 0.55 MMBtu/hr	None	R13-2149C Section 4.0
BLR4*	BL4	Heating System Boiler; American Standard Model # 1-B-J-3	1961	3.48 MMBtu/hr	None	Section 4.0
M-BLR1*	M-BL1 & M-R1	Mobile Glycol Reclaimer; Boiler/preheater	2000	0.19 MM Btu/hr	None	R13-2362-P6 Sections 4.0, 17.0
M-BLR2*	M-BL2	Mobile Glycol Reclaimer; Reclaimer/vacuum reboiler	2000	0.20 MM Btu/hr	None	R13-2362-P6 Sections 4.0, 17.0
HTR2*	H2	Natural Gas Heater; BS&B Model # 70S-2	1956	1.0 MMBtu/hr	None	Section 4.0
08101*	E01	Reciprocating Engine/Integral Compressor; Clark HRA-8; 2-cycle, lean burn	1954	880 HP	None	None
08102*	E02	Reciprocating Engine/Integral Compressor; Clark HRA-8; 2-cycle, lean burn	1954	880 HP	None	None

08103*	E03	Reciprocating Engine/Integral Compressor; Clark HRA-8; 2-cycle, lean burn	1956	880 HP	None	None
08104*	E04	Reciprocating Engine/Integral Compressor; Clark TLA-6; 2-cycle, lean burn	1961	2,000 HP	None	None
08105*	E05	Reciprocating Engine/Integral Compressor; Clark TLA-6; 2-cycle, lean burn	1961	2,000 HP	None	None
Emission Unit ID	Emission Point ID	Emission Unit Description (Make, Model, Serial No.)	Year Installed	Design Capacity	Control Device	Applicable Natural Gas General Permit (R30-NGGP-2007) Sections
08106*	E06	Turbine Engine/Centrifugal Compressor; Solar Saturn T-1001 turbine	1966	1,080 HP	None	None
08107*	E07	Turbine Engine/Centrifugal Compressor; Solar Saturn T-1001 turbine	1966	1,080 HP	None	None
081G3*	G3	Reciprocating Engine/ Generator Waukesha VGF18GL; 4-cycle, lean burn	1998	440 HP	None	R13-2149B R13-2149C
DEG-DEHY1*	FL1	DEG Dehydrator; BS&B Contact Tower, 6-bubble trays	1985	4.875 MMscf/hr 117 MMscf/day	FLLP1	R13-2149B R13-2149C Sections 12.1.1, 12.1.7(a), 12.2, 12.3, 12.4.1 to 12.4.7, 12.5
DEG-DEHY2*	FL1	DEG Dehydrator; BS&B Contact Tower, 6-bubble trays	1984	4.875 MMscf/hr 117 MMscf/day	FLLP1	R13-2149B R13-2149C Sections 12.1.1, 12.1.7(a), 12.2, 12.3, 12.4.1 to 12.4.7, 12.5
DEG-DEHY3*	FL1	DEG Dehydrator; BS&B Contact Tower, 6-bubble trays	1984	4.875 MMscf/hr 117 MMscf/day	FLLP1	R13-2149B R13-2149C Sections 12.1.1, 12.1.7(a), 12.2, 12.3, 12.4.1 to 12.4.7, 12.5
FLLP1*	FL1	Dehydrator Flare; NATCO Model SHV-4.0	1998	2.5 MM Btu/hr	None	R13-2149B R13-2149C Sections 12.1.2 to 12.1.6

45CSR13/14, Consent Order specific and Other Requirements not included in Title V General Permit:

1. ~~R13-2149B~~ R13-2149C

2. R13-2362-P6

~~3. Compliance with the emission limits set forth in R13-2149B Section A.1 for SO₂ emissions from the flare shall be determined by using an emission factor of 0.0007 lb/MMBtu, which is based on an average sulfur content in the fuel assist gas of 0.25 grains S/100 scf.~~

~~*[45CSR§30-5.1.c] [FLI]*~~

Facility Location: Cameron, Marshall County, West Virginia
Mailing Address: PO Box 1273, Charleston, WV 25325-1273
Facility Description: Natural Gas Compressor Station
SIC Codes: 4922
UTM Coordinates: 530.4 km Easting • 4401.6 km Northing • Zone 17
Permit Type: Class II Administrative Update
Description of Change: Replace three (3) 0.5 MMBtu/hr DEG dehydrator reboilers with three (3) new 0.55 MMBtu/hr DEG dehydrator reboilers.

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §§22-5-14.

The source is subject to 45CSR30. The permittee has the duty to update the facility's Title V (45CSR30) permit application to reflect the changes permitted herein.

Unless otherwise stated WVDEP DAQ did not determine whether the permittee is subject to an area source air toxics standard requiring Generally Achievable Control Technology (GACT) promulgated after January 1, 2007 pursuant to 40 CFR 63, including the area source air toxics provisions of 40 CFR 63, Subpart HH and 40 CFR 63, Subpart ZZZZ.

Table of Contents

1.0.	Emission Units	5
2.0.	General Conditions	6
2.1.	Definitions.....	6
2.2.	Acronyms.....	6
2.3.	Authority.....	7
2.4.	Term and Renewal.....	7
2.5.	Duty to Comply.....	7
2.6.	Duty to Provide Information.....	7
2.7.	Duty to Supplement and Correct Information.....	8
2.8.	Administrative Permit Update.....	8
2.9.	Permit Modification.....	8
2.10.	Major Permit Modification.....	8
2.11.	Inspection and Entry.....	8
2.12.	Emergency.....	8
2.13.	Need to Halt or Reduce Activity Not a Defense.....	9
2.14.	Suspension of Activities.....	9
2.15.	Property Rights.....	9
2.16.	Severability.....	10
2.17.	Transferability.....	10
2.18.	Notification Requirements.....	10
2.19.	Credible Evidence.....	10
3.0.	Facility-Wide Requirements	11
3.1.	Limitations and Standards.....	11
3.2.	Monitoring Requirements.....	11
3.3.	Testing Requirements.....	11
3.4.	Recordkeeping Requirements.....	12
3.5.	Reporting Requirements.....	13
4.0.	Source-Specific Requirements	14
4.1.	Limitations and Standards.....	14
5.0.	Source-Specific Requirements (081G3)	15
5.1.	Limitations and Standards.....	15
5.2.	Monitoring Requirements.....	15
5.3.	Testing Requirements.....	15
5.4.	Recordkeeping Requirements.....	15
5.5.	Reporting Requirements.....	15
6.0.	Source-Specific Requirements (BLR5, BLR6, BLR7)	16
6.1.	Limitations and Standards.....	16
6.2.	Monitoring Requirements.....	16
6.3.	Testing Requirements.....	16
6.4.	Recordkeeping Requirements.....	16
6.5.	Reporting Requirements.....	16

7.0. Source-Specific Requirements (Dehydration Units Not Subject to MACT Standards and being controlled by a Flare Control Device)).....	17
7.1. Limitations and Standards	17
7.2. Monitoring Requirements	18
7.3. Testing Requirements.....	19
7.4. Recordkeeping Requirements.....	19
7.5. Reporting Requirements.....	20
 CERTIFICATION OF DATA ACCURACY	 21

1.0. Emission Units

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Device
081G3	G3	Waukesha VGF18GL, 4 cycle lean burn Compressor Engine	1998	440 HP	NA
DEG-DEHY1	FL1	DEG Dehydrator, BS&B Contact Tower, 6 bubble trays	1985	4.875 MMscf/hr	FLLP1
DEG-DEHY2	FL1	DEG Dehydrator, BS&B Contact Tower, 6 bubble trays	1984	4.875 MMscf/hr	FLLP1
DEG-DEHY3	FL1	DEG Dehydrator, BS&B Contact Tower, 6 bubble trays	1984	4.875 MMscf/hr	FLLP1
FLLP1	FL1	Dehydrator Flare, NATCO Model SHV-4.0	1998	2.5 MMBtu/hr	None
BLR5	BL5	DEG Dehydrator Reboiler	2010	0.55 MMBtu/hr	None
BLR6	BL6	DEG Dehydrator Reboiler	2010	0.55 MMBtu/hr	None
BLR7	BL7	DEG Dehydrator Reboiler	2010	0.55 MMBtu/hr	None

2.0. General Conditions

2.1. Definitions

- 2.1.1. All references to the “West Virginia Air Pollution Control Act” or the “Air Pollution Control Act” mean those provisions contained in W.Va. Code §§ 22-5-1 to 22-5-18.
- 2.1.2. The “Clean Air Act” means those provisions contained in 42 U.S.C. §§ 7401 to 7671q, and regulations promulgated thereunder.
- 2.1.3. “Secretary” means the Secretary of the Department of Environmental Protection or such other person to whom the Secretary has delegated authority or duties pursuant to W.Va. Code §§ 22-1-6 or 22-1-8 (45CSR§30-2.12.). The Director of the Division of Air Quality is the Secretary’s designated representative for the purposes of this permit.

2.2. Acronyms

CAAA	Clean Air Act Amendments	NO _x	Nitrogen Oxides
CBI	Confidential Business Information	NSPS	New Source Performance Standards
CEM	Continuous Emission Monitor	PM	Particulate Matter
CES	Certified Emission Statement	PM _{2.5}	Particulate Matter less than 2.5 μm in diameter
C.F.R. or CFR	Code of Federal Regulations	PM ₁₀	Particulate Matter less than 10μm in diameter
CO	Carbon Monoxide	Ppb	Pounds per Batch
C.S.R. or CSR	Codes of State Rules	Pph	Pounds per Hour
DAQ	Division of Air Quality	Ppm	Parts per Million
DEP	Department of Environmental Protection	Ppmv or ppmv	Parts per Million by Volume
dscm	Dry Standard Cubic Meter	PSD	Prevention of Significant Deterioration
FOIA	Freedom of Information Act	Psi	Pounds per Square Inch
HAP	Hazardous Air Pollutant	SIC	Standard Industrial Classification
HON	Hazardous Organic NESHAP	SIP	State Implementation Plan
HP	Horsepower	SO ₂	Sulfur Dioxide
lbs/hr	Pounds per Hour	TAP	Toxic Air Pollutant
LDAR	Leak Detection and Repair	TPY	Tons per Year
M	Thousand	TRS	Total Reduced Sulfur
MACT	Maximum Achievable Control Technology	TSP	Total Suspended Particulate
MDHI	Maximum Design Heat Input	USEPA	United States Environmental Protection Agency
MM	Million	UTM	Universal Transverse Mercator
MMBtu/hr or mmbtu/hr	Million British Thermal Units per Hour	VEE	Visual Emissions Evaluation
MMCF/hr or mmcf/hr	Million Cubic Feet per Hour	VOC	Volatile Organic Compounds
NA	Not Applicable	VOL	Volatile Organic Liquids
NAAQS	National Ambient Air Quality Standards		
NESHAPS	National Emissions Standards for Hazardous Air Pollutants		

2.3. Authority

This permit is issued in accordance with West Virginia air pollution control law W.Va. Code §§ 22-5-1. et seq. and the following Legislative Rules promulgated thereunder:

- 2.3.1. 45CSR13 – *Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permits, General Permits and Procedures for Evaluation;*

2.4. Term and Renewal

- 2.4.1. This permit supersedes and replaces previously issued Permit R13-2149B. This Permit shall remain valid, continuous and in effect unless it is revised, suspended, revoked or otherwise changed under an applicable provision of 45CSR13 or any other applicable legislative rule;

2.5. Duty to Comply

- 2.5.1. The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Application R13-2149, R13-2149A, R13-2149B, R13-2149C, and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to;
[45CSR§§13-5.11 and -10.3.]
- 2.5.2. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the West Virginia Code and the Clean Air Act and is grounds for enforcement action by the Secretary or USEPA;
- 2.5.3. Violations of any of the conditions contained in this permit, or incorporated herein by reference, may subject the permittee to civil and/or criminal penalties for each violation and further action or remedies as provided by West Virginia Code 22-5-6 and 22-5-7;
- 2.5.4. Approval of this permit does not relieve the permittee herein of the responsibility to apply for and obtain all other permits, licenses, and/or approvals from other agencies; i.e., local, state, and federal, which may have jurisdiction over the construction and/or operation of the source(s) and/or facility herein permitted.

2.6. Duty to Provide Information

The permittee shall furnish to the Secretary within a reasonable time any information the Secretary may request in writing to determine whether cause exists for administratively updating, modifying, revoking, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Secretary copies of records to be kept by the permittee. For information claimed to be confidential, the permittee shall furnish such records to the Secretary along with a claim of confidentiality in accordance with 45CSR31. If confidential information is to be sent to USEPA, the permittee shall directly provide such information to USEPA along with a claim of confidentiality in accordance with 40 C.F.R. Part 2.

2.7. Duty to Supplement and Correct Information

Upon becoming aware of a failure to submit any relevant facts or a submittal of incorrect information in any permit application, the permittee shall promptly submit to the Secretary such supplemental facts or corrected information.

2.8. Administrative Update

The permittee may request an administrative update to this permit as defined in and according to the procedures specified in 45CSR13.
[45CSR§13-4.]

2.9. Permit Modification

The permittee may request a minor modification to this permit as defined in and according to the procedures specified in 45CSR13.
[45CSR§13-5.4.]

2.10 Major Permit Modification

The permittee may request a major modification as defined in and according to the procedures specified in 45CSR14 or 45CSR19, as appropriate.
[45CSR§13-5.1]

2.11. Inspection and Entry

The permittee shall allow any authorized representative of the Secretary, upon the presentation of credentials and other documents as may be required by law, to perform the following:

- a. At all reasonable times (including all times in which the facility is in operation) enter upon the permittee's premises where a source is located or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- c. Inspect at reasonable times (including all times in which the facility is in operation) any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit;
- d. Sample or monitor at reasonable times substances or parameters to determine compliance with the permit or applicable requirements or ascertain the amounts and types of air pollutants discharged.

2.12. Emergency

- 2.12.1. An "emergency" means any situation arising from sudden and reasonable unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by

improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

- 2.12.2. Effect of any emergency. An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions of Section 2.12.3 are met.
- 2.12.3. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:
 - a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;
 - b. The permitted facility was at the time being properly operated;
 - c. During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
 - d. The permittee submitted notice of the emergency to the Secretary within one (1) working day of the time when emission limitations were exceeded due to the emergency and made a request for variance, and as applicable rules provide. This notice must contain a detailed description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.
- 2.12.4. In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.
- 2.12.5. The provisions of this section are in addition to any emergency or upset provision contained in any applicable requirement.

2.13. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for a permittee in an enforcement action that it should have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. However, nothing in this paragraph shall be construed as precluding consideration of a need to halt or reduce activity as a mitigating factor in determining penalties for noncompliance if the health, safety, or environmental impacts of halting or reducing operations would be more serious than the impacts of continued operations.

2.14. Suspension of Activities

In the event the permittee should deem it necessary to suspend, for a period in excess of sixty (60) consecutive calendar days, the operations authorized by this permit, the permittee shall notify the Secretary, in writing, within two (2) calendar weeks of the passing of the sixtieth (60) day of the suspension period.

2.15. Property Rights

This permit does not convey any property rights of any sort or any exclusive privilege.

2.16. Severability

The provisions of this permit are severable and should any provision(s) be declared by a court of competent jurisdiction to be invalid or unenforceable, all other provisions shall remain in full force and effect.

2.17. Transferability

This permit is transferable in accordance with the requirements outlined in Section 10.1 of 45CSR13. [45CSR§13-10.1.]

2.18. Notification Requirements

The permittee shall notify the Secretary, in writing, no later than thirty (30) calendar days after the actual startup of the operations authorized under this permit.

2.19. Credible Evidence

Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defense otherwise available to the permittee including, but not limited to, any challenge to the credible evidence rule in the context of any future proceeding.

3.0. Facility-Wide Requirements

3.1. Limitations and Standards

- 3.1.1. **Open burning.** The open burning of refuse by any person, firm, corporation, association or public agency is prohibited except as noted in 45CSR§6-3.1.
[45CSR§6-3.1.]
- 3.1.2. **Open burning exemptions.** The exemptions listed in 45CSR§6-3.1 are subject to the following stipulation: Upon notification by the Secretary, no person shall cause, suffer, allow or permit any form of open burning during existing or predicted periods of atmospheric stagnation. Notification shall be made by such means as the Secretary may deem necessary and feasible.
[45CSR§6-3.2.]
- 3.1.3. **Asbestos.** The permittee is responsible for thoroughly inspecting the facility, or part of the facility, prior to commencement of demolition or renovation for the presence of asbestos and complying with 40 C.F.R. § 61.145, 40 C.F.R. § 61.148, and 40 C.F.R. § 61.150. The permittee, owner, or operator must notify the Secretary at least ten (10) working days prior to the commencement of any asbestos removal on the forms prescribed by the Secretary if the permittee is subject to the notification requirements of 40 C.F.R. § 61.145(b)(3)(i). The USEPA, the Division of Waste Management, and the Bureau for Public Health - Environmental Health require a copy of this notice to be sent to them.
[40CFR§61.145(b) and 45CSR§34]
- 3.1.4. **Odor.** No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor at any location occupied by the public.
[45CSR§4-3.1] *[State Enforceable Only]*
- 3.1.5. **Permanent shutdown.** A source which has not operated at least 500 hours in one 12-month period within the previous five (5) year time period may be considered permanently shutdown, unless such source can provide to the Secretary, with reasonable specificity, information to the contrary. All permits may be modified or revoked and/or reapplication or application for new permits may be required for any source determined to be permanently shutdown.
[45CSR§13-10.5.]
- 3.1.6. **Standby plan for reducing emissions.** When requested by the Secretary, the permittee shall prepare standby plans for reducing the emissions of air pollutants in accordance with the objectives set forth in Tables I, II, and III of 45CSR11.
[45CSR§11-5.2.]

3.2. Monitoring Requirements

[Reserved]

3.3. Testing Requirements

- 3.3.1. **Stack testing.** As per provisions set forth in this permit or as otherwise required by the Secretary, in accordance with the West Virginia Code, underlying regulations, permits and orders, the permittee shall conduct test(s) to determine compliance with the emission limitations set forth in this permit and/or established or set forth in underlying documents. The Secretary, or his duly authorized representative, may at his option witness or conduct such test(s). Should the Secretary

exercise his option to conduct such test(s), the operator shall provide all necessary sampling connections and sampling ports to be located in such manner as the Secretary may require, power for test equipment and the required safety equipment, such as scaffolding, railings and ladders, to comply with generally accepted good safety practices. Such tests shall be conducted in accordance with the methods and procedures set forth in this permit or as otherwise approved or specified by the Secretary in accordance with the following:

- a. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with 40 C.F.R. Parts 60, 61, and 63 in accordance with the Secretary's delegated authority and any established equivalency determination methods which are applicable. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4. or 45CSR§13-5.4 as applicable.
- b. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with applicable requirements which do not involve federal delegation. In specifying or approving such alternative testing to the test methods, the Secretary, to the extent possible, shall utilize the same equivalency criteria as would be used in approving such changes under Section 3.3.1.a. of this permit. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4. or 45CSR§13-5.4 as applicable.
- c. All periodic tests to determine mass emission limits from or air pollutant concentrations in discharge stacks and such other tests as specified in this permit shall be conducted in accordance with an approved test protocol. Unless previously approved, such protocols shall be submitted to the Secretary in writing at least thirty (30) days prior to any testing and shall contain the information set forth by the Secretary. In addition, the permittee shall notify the Secretary at least fifteen (15) days prior to any testing so the Secretary may have the opportunity to observe such tests. This notification shall include the actual date and time during which the test will be conducted and, if appropriate, verification that the tests will fully conform to a referenced protocol previously approved by the Secretary.

[WV Code § 22-5-4(a)(15)]

3.4. Recordkeeping Requirements

- 3.4.1. **Retention of records.** The permittee shall maintain records of all information (including monitoring data, support information, reports, and notifications) required by this permit recorded in a form suitable and readily available for expeditious inspection and review. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation. The files shall be maintained for at least five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two (2) years of data shall be maintained on site. The remaining three (3) years of data may be maintained off site, but must remain accessible within a reasonable time. Where appropriate, the permittee may maintain records electronically (on a computer, on computer floppy disks, CDs, DVDs, or magnetic tape disks), on microfilm, or on microfiche.

- 3.4.2. **Odors.** For the purposes of 45CSR4, the permittee shall maintain a record of all odor complaints received, any investigation performed in response to such a complaint, and any responsive action(s) taken.
[45CSR§4. *State Enforceable Only.*]

3.5. Reporting Requirements

- 3.5.1. **Responsible official.** Any application form, report, or compliance certification required by this permit to be submitted to the DAQ and/or USEPA shall contain a certification by the responsible official that states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- 3.5.2. **Confidential information.** A permittee may request confidential treatment for the submission of reporting required by this permit pursuant to the limitations and procedures of W.Va. Code § 22-5-10 and 45CSR31.
- 3.5.3. **Correspondence.** All notices, requests, demands, submissions and other communications required or permitted to be made to the Secretary of DEP and/or USEPA shall be made in writing and shall be deemed to have been duly given when delivered by hand, or mailed first class with postage prepaid to the address(es) set forth below or to such other person or address as the Secretary of the Department of Environmental Protection may designate:

If to the DAQ:
Director
WVDEP
Division of Air Quality
601 57th Street
Charleston, WV 25304-2345

If to the US EPA:
Associate Director
Office of Enforcement and Permits Review
(3AP12)
U.S. Environmental Protection Agency
Region III
1650 Arch Street
Philadelphia, PA 19103-2029

3.5.4. Operating Fee

- 3.5.4.1. In accordance with 45CSR30 – Operating Permit Program, the permittee shall submit a certified emissions statement and pay fees on an annual basis in accordance with the submittal requirements of the Division of Air Quality. A receipt for the appropriate fee shall be maintained on the premises for which the receipt has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.
- 3.5.4.2. In accordance with 45CSR30 – Operating Permit Program, enclosed with this permit is a Certified Emissions Statement (CES) Invoice, from the date of initial startup through the following June 30. Said invoice and the appropriate fee shall be submitted to this office no later than 30 days prior to the date of initial startup. For any startup date other than July 1, the permittee shall pay a fee or prorated fee in accordance with Section 4.5 of 45CSR22. A copy of this schedule may be found attached to the Certified Emissions Statement (CES) Invoice.
- 3.5.5. **Emission inventory.** At such time(s) as the Secretary may designate, the permittee herein shall prepare and submit an emission inventory for the previous year, addressing the emissions from the facility and/or process(es) authorized herein, in accordance with the emission inventory submittal requirements of the Division of Air Quality. After the initial submittal, the Secretary may, based

upon the type and quantity of the pollutants emitted, establish a frequency other than on an annual basis.

4.0. Source-Specific Requirements

4.1. Limitations and Standards

4.1.1. **Record of Monitoring.** The permittee shall keep records of monitoring information that include the following:

- a. The date, place as defined in this permit, and time of sampling or measurements;
- b. The date(s) analyses were performed;
- c. The company or entity that performed the analyses;
- d. The analytical techniques or methods used;
- e. The results of the analyses; and
- f. The operating conditions existing at the time of sampling or measurement.

4.1.2. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.
[45CSR§13-5.11.]

4.1.3. **Record of Malfunctions of Air Pollution Control Equipment.** For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:

- a. The equipment involved.
- b. Steps taken to minimize emissions during the event.
- c. The duration of the event.
- d. The estimated increase in emissions during the event.

For each such case associated with an equipment malfunction, the additional information shall also be recorded:

- e. The cause of the malfunction.
- f. Steps taken to correct the malfunction.
- g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.

5.0 Source-Specific Requirements (081G3)

5.1. Limitations and Standards

- 5.1.1. The quantity of natural gas that shall be consumed in the 440 hp Waukesha VGF18GL, 4 cycle lean burn natural gas fired reciprocating engine (081G3) shall not exceed 3,972 cubic feet per hour or 34.79×10^9 cubic feet per year.
- 5.1.2. Maximum emissions from the 440 hp Waukesha VGF18GL, 4 cycle lean burn natural gas fired reciprocating engine (081G3) shall not exceed the following limits:

Emission Unit ID	Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (ton/year)
081G3	Nitrogen Oxides	2.52	11.05
	Carbon Monoxide	1.70	7.44
	Volatile Organic Compounds	0.73	3.19

5.2. Monitoring Requirements

- 5.2.1. See Facility-Wide Monitoring Requirements Section 3.2.

5.3. Testing Requirements

- 5.3.1. See Facility-Wide Testing Requirements Section 3.3.

5.4. Recordkeeping Requirements

- 5.4.1. To demonstrate compliance with section 5.1, the permittee shall maintain records of the quantity of natural gas consumed in the engine and the hours of operation of the engine. Said records shall be maintained on site or in a readily accessible off-site location maintained by the permittee for a period of five (5) years. Said records shall be readily available to the Director of the Division of Air Quality or his/her duly authorized representative for expeditious inspection and review. Any records submitted to the agency pursuant to a requirement of this permit or upon request by the Director shall be certified by a responsible official.

5.5. Reporting Requirements

- 5.5.1. See Facility-Wide Reporting Requirements Section 3.5.

6.0. Source-Specific Requirements (BLR5, BLR6, BLR7)

6.1. Limitations and Standards

- 6.1.1. No person shall cause, suffer, allow or permit emission of smoke and/or particulate matter into the open air from any fuel burning unit which is greater than ten (10) percent opacity based on a six minute block average.
[45CSR§2-3.1.]
- 6.1.2. Compliance with the visible emission requirements of 45CSR§2-3.1 shall be determined in accordance with 40 C.F.R. Part 60, Appendix A, Method 9 or by using measurements from continuous opacity monitoring systems approved by the Director. The Director may require the installation, calibration, maintenance and operation of continuous opacity monitoring systems and may establish policies for the evaluation of continuous opacity monitoring results and the determination of compliance with the visible emission requirements of 45CSR§2-3.1. Continuous opacity monitors shall not be required on fuel burning units which employ wet scrubbing systems for emission control.
[45CSR§2-3.2.]
- 6.1.3. Maximum Design Heat Input. The maximum design heat input for each of the DEG Dehydrator Reboilers (BLR5, BLR6, BLR7) shall not exceed 0.55 MMBtu/hr.
- 6.1.4. Maximum emissions from each of the 0.55 MMBtu/hr NATCO DEG Dehydrator Reboilers (BLR5, BLR6, BLR7) shall not exceed the following limits:

Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (ton/year)
Nitrogen Oxides	0.07	0.29
Carbon Monoxide	0.06	0.24

6.2. Monitoring Requirements

- 6.2.1. At such reasonable times as the Secretary may designate, the permittee shall conduct Method 9 emission observations for the purpose of demonstrating compliance with Section 6.1.1. Method 9 shall be conducted in accordance with 40 CFR 60 Appendix A.

6.3. Testing Requirements

- 6.3.1. See Facility-Wide Testing Requirements Section 3.3.

6.4. Recordkeeping Requirements

- 6.4.1. See Facility-Wide Recordkeeping Requirements Section 3.4.

6.5. Reporting Requirements

- 6.5.1. See Facility-Wide Reporting Requirements Section 3.5.

7.0. Source-Specific Hazardous Air Pollutant Requirements (Natural Gas Dehydration Units Not Subject to MACT Standards (DEG-DEHY1, DEG-DEHY2, DEG-DEHY3) and being controlled by a Flare Control Device (FLLP1))

7.1. Limitations and Standards

- 7.1.1. Maximum Throughput Limitation. The maximum wet natural gas throughput to each of the glycol dehydration units / still columns (DEG-DEHY1, DEG-DEHY2, DEG-DEHY3) shall not exceed 4.875 MMscf/hr or 117 MMscf/day. Compliance with the Maximum Throughput Limitation shall be determined using a twelve month rolling total. A twelve month rolling total shall mean the sum of the monthly throughput at any given time during the previous twelve consecutive calendar months.
- 7.1.2. The Dehydrator Flare, NATCO Model SHV-4.0 (FLLP1) subject to this section shall be designed and operated in accordance with the following:
- Flares shall be steam-assisted, air-assisted, or non-assisted.
 - Flares shall be designed for and operated with no visible emissions, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours.
 - Flares shall be operated, with a flame present at all times whenever emissions may be vented to them, except during SSM (Startup, Shutdown, Malfunctions) events.
 - A flare shall be used only where the net heating value of the gas being combusted is 11.2 MJ/scm (300 Btu/scf) or greater if the flare is steam-assisted or air-assisted; or where the net heating value of the gas being combusted is 7.45 MJ/scm (200 Btu/scf) or greater if the flare is non-assisted. The net heating value of the gas being combusted in a flare shall be calculated using the following equation:

$$H_T = K \sum_{i=1}^n C_i H_i$$

Where:

H_T=Net heating value of the sample, MJ/scm; where the net enthalpy per mole of off gas is based on combustion at 25 °C and 760 mm Hg, but the standard temperature for determining the volume corresponding to one mole is 20 °C.

K=Constant=

$$1.740 \times 10^{-7} \left(\frac{1}{ppmv} \right) \left(\frac{\text{g-mole}}{\text{scm}} \right) \left(\frac{\text{MJ}}{\text{kcal}} \right)$$

where the standard temperature for (g-mole/scm) is 20 °C.

C_i=Concentration of sample component i in ppmv on a wet basis, which may be measured for organics by Test Method 18, but is not required to be measured using Method 18 (unless designated by the Director).

H_i=Net heat of combustion of sample component i, kcal/g-mole at 25 °C and 760 mm Hg. The heats of combustion may be determined using ASTM D2382-76 or 88 or D4809-95 if published values are not available or cannot be calculated.

n=Number of sample components.

- Steam-assisted and nonassisted flares shall be designed for and operated with an exit velocity less than 18.3 m/sec (60 ft/sec), except as provided by 7.1.2.f and 7.1.2.g of this section. The actual exit velocity of a flare shall be determined by dividing by the volumetric flow rate of gas being combusted (in units of emission standard temperature and pressure), by the unobstructed (free)

cross-sectional area of the flare tip, which may be determined by Test Method 2, 2A, 2C, or 2D in appendix A to 40 CFR part 60, as appropriate, but is not required to be determined using these Methods (unless designated by the Director).

- f. Steam-assisted and nonassisted flares designed for and operated with an exit velocity, as determined by the method specified in 7.1.2.e. of this section, equal to or greater than 18.3 m/sec (60 ft/sec) but less than 122 m/sec (400 ft/sec), are allowed if the net heating value of the gas being combusted is greater than 37.3 MJ/scm (1,000 Btu/scf).

- g. Steam-assisted and nonassisted flares designed for and operated with an exit velocity, as determined by the method specified in 7.1.2.e. of this section, less than the velocity V_{max} , as determined by the calculation specified in this paragraph, but less than 122 m/sec (400 ft/sec) are allowed. The maximum permitted velocity, V_{max} , for flares complying with this paragraph shall be determined by the following equation:

$$\text{Log}_{10}(V_{max})=(H_T+28.8)/31.7$$

Where:

V_{max} =Maximum permitted velocity, m/sec.

28.8=Constant.

31.7=Constant.

H_T =The net heating value as determined in 7.1.2.d of this section

- h. Air-assisted flares shall be designed and operated with an exit velocity less than the velocity V_{max} . The maximum permitted velocity, V_{max} , for air-assisted flares shall be determined by the following equation:

$$V_{max}=8.71 + 0.708(H_T)$$

Where:

V_{max} =Maximum permitted velocity, m/sec.

8.71=Constant.

0.708=Constant.

H_T =The net heating value as determined in 7.1.2.d of this section.

- 7.1.3. The permittee is not required to conduct a flare compliance assessment for concentration of sample (i.e. Method 18) and tip velocity (i.e. Method 2) until such time as the Director requests a flare compliance assessment to be conducted in accordance with section 7.3.2, but the permittee is required to conduct a flare design evaluation in accordance with section 7.4.2. Alternatively, the permittee may elect to demonstrate compliance with the flare design criteria requirements of section 7.1.2 by complying with the compliance assessment testing requirements of section 7.3.2.

7.2. Monitoring Requirements

- 7.2.1. In order to demonstrate compliance with the requirements of 7.1.2.c, the permittee shall monitor the presence or absence of a flare pilot flame using a thermocouple or any other equivalent device, except during SSM events.
- 7.2.2. The permittee shall monitor the throughput of wet natural gas fed to the dehydration system on a monthly basis for each glycol dehydration unit (DEG DEHY-1, DEG-DEHY2, DEG-DEHY3).

7.3. Testing Requirements

- 7.3.1. In order to demonstrate compliance with the flare opacity requirements of 7.1.2.b the permittee shall conduct a Method 22 opacity test for at least two hours. This test shall demonstrate no visible emissions are observed for more than a total of 5 minutes during any 2 consecutive hour period using 40CFR60 Appendix A Method 22. The permittee shall conduct this test within one (1) year of permit issuance or initial startup whichever is later. The visible emission checks shall determine the presence or absence of visible emissions. At a minimum, the observer must be trained and knowledgeable regarding the effects of background contrast, ambient lighting, observer position relative to lighting, wind, and the presence of uncombined water (condensing water vapor) on the visibility of emissions. This training may be obtained from written materials found in the References 1 and 2 from 40 CFR part 60, appendix A, Method 22 or from the lecture portion of 40 CFR part 60, appendix A, Method 9 certification course.
- 7.3.2. The Director may require the permittee to conduct a flare compliance assessment to demonstrate compliance with section 7.1.2. This compliance assessment testing shall be conducted in accordance with Test Method 18 for organics and Test Method 2, 2A, 2C, or 2D in appendix A to 40 CFR part 60, as appropriate, or other equivalent testing approved in writing by the Director. Also, Test Method 18 may require the permittee to conduct Test Method 4 in conjunction with Test Method 18.

7.4. Recordkeeping Requirements

- 7.4.1. For the purpose of demonstrating compliance with section 7.1.2.c and 7.2.1, the permittee shall maintain records of the times and duration of all periods which the pilot flame was absent.
- 7.4.2. For the purpose of demonstrating compliance with section 7.1.2 and 7.3.2, the permittee shall maintain a record of the flare design evaluation. The flare design evaluation shall include, net heat value calculations, exit (tip) velocity calculations, and all supporting concentration calculations and other related information requested by the Director.
- 7.4.3. The permittee shall document and maintain the corresponding records specified by the on-going monitoring requirements of 7.2 and testing requirements of 7.3.
- 7.4.4. For the purpose of demonstrating compliance with section 7.1.2.b, the permittee shall maintain records of the visible emission opacity tests conducted per Section 7.3.1.
- 7.4.5. The permittee shall maintain a record of the wet natural gas throughput through the dehydration system to demonstrate compliance with the natural gas throughput limit set forth in 7.1.1.
- 7.4.6. All records required under Section 7.4 shall be maintained on site or in a readily accessible off-site location maintained by the permittee for a period of five (5) years. Said records shall be readily available to the Director of the Division of Air Quality or his/her duly authorized representative for expeditious inspection and review. Any records submitted to the agency pursuant to a requirement of this permit or upon request by the Director shall be certified by a responsible official.

7.5. Reporting Requirements

- 7.5.1 Any deviation(s) from the allowable visible emission requirement for any emission source discovered during observations using 40CFR Part 60, Appendix A, Method 9 or 22 shall be reported in writing to the Director of the Division of Air Quality as soon as practicable, but in any case within ten (10) calendar days of the occurrence and shall include at least the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.

- 7.5.2 Any deviation(s) from the flare design and operation criteria in Section 7.1.2 shall be reported in writing to the Director of the Division of Air Quality as soon as practicable, but in any case within ten (10) calendar days of discovery of such deviation.

CERTIFICATION OF DATA ACCURACY

I, the undersigned, hereby certify that, based on information and belief formed after reasonable inquiry, all information contained in the attached _____, representing the period beginning _____ and ending _____, and any supporting documents appended hereto, is true, accurate, and complete.

Signature¹ _____ Date _____
(please use blue ink) Responsible Official or Authorized Representative

Name & Title _____
(please print or type) Name Title

Telephone No. _____ Fax No. _____

- ¹ This form shall be signed by a "Responsible Official." "Responsible Official" means one of the following:
- a. For a corporation: The president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit and either:
 - (i) the facilities employ more than 250 persons or have a gross annual sales or expenditures exceeding \$25 million (in second quarter 1980 dollars), or
 - (ii) the delegation of authority to such representative is approved in advance by the Director;
 - b. For a partnership or sole proprietorship: a general partner or the proprietor, respectively;
 - c. For a municipality, State, Federal, or other public entity: either a principal executive officer or ranking elected official. For the purposes of this part, a principal executive officer of a Federal agency includes the chief executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., a Regional Administrator of U.S. EPA); or
 - d. The designated representative delegated with such authority and approved in advance by the Director.



Office of Air Quality
1558 Washington Street, East
Charleston, WV 25311-2599
Telephone Number: (304) 558-0885
Fax Number: (304) 558-1222

West Virginia Division of Environmental Protection

Cecil H. Underwood
Governor

Michael C. Castle
Director

PERMIT TO RELOCATE MOBILE GLYCOL RECLAIMER UNIT

IN ACCORDANCE WITH THE WEST VIRGINIA AIR POLLUTION CONTROL LAW (W. Va. Code §§22-5-1 et seq.), AND REGULATIONS PROMULGATED THEREUNDER, THE FOLLOWING PERMITTEE IS AUTHORIZED TO CONSTRUCT, SUBJECT TO THE TERMS AND CONDITIONS OF THIS PERMIT, THE SOURCE DESCRIBED BELOW.

Adaline Compressor Station currently operates under Title V Permit No. R30-05100001-1996.

Name of Permittee: Columbia Gas Transmission Corporation
Name of Facility: Adaline Compressor Station
Permit No.: R13-2362-P6
Plant ID No.: 05100100
Effective Date of Permit: February 15, 2000
Permit Writer: Jerry Williams
Facility Mailing Address: P.O. Box 1273
Charleston, WV 25325-1273
County: Marshall County
Nearest City or Town: Cameron, WV

NON CONFIDENTIAL

UTM Coordinates: Easting: 530.0 km Northing: 4401.0 km Zone: 17

Directions to Exact Location: Located in Liberty District, Marshall County and south of Cameron, which is 25 miles south of Wheeling on US Rt. 250. From intersection in Cameron, travel west a short distance to a "Y" intersection. Go left, cross bridge, then up a hill on a brick road. Proceed south along this road (Cameron Ridge Road) for approximately 7 miles to station which is on left side of road and partially visible.

Type of Facility or Modification: Installation of a relocated mobile glycol reclaimer unit consisting of a 0.19 MMBtu/hr boiler/preheater and a 0.20 MMBtu/hr vacuum reboiler.

THE SOURCE IS SUBJECT TO 45CSR30. THE PERMITTED FACILITY'S TITLE V (45CSR30) PERMIT R30-05100001-1996 MUST BE REVISED BEFORE COMMENCING OPERATION OF THE ACTIVITY AUTHORIZED BY THIS PERMIT.

"To use all available resources to protect and restore West Virginia's environment in concert with the needs of present and future generations."



IN ACCORDANCE WITH THE PERMIT APPLICATION AND ITS AMENDMENTS, THIS PERMIT IS LIMITED AS FOLLOWS:

A. SPECIFIC REQUIREMENTS

1. The annual glycol throughput of the mobile glycol reclaimer unit shall not exceed 10,000 gallons per year per site.
2. The emissions for the mobile glycol reclaimer unit and components shall not exceed the following hourly and annual emissions:

Pollutant	Emission Rate (lb/hr)	Emission Rate (ton/year)
Nitrogen Oxides	0.039	0.171
Carbon Monoxide	0.008	0.036
VOC's not including HAP's	0.002	0.009
Sulfur Dioxide	0.0003	0.001
Particulate Matter	0.002	0.008
Benzene	0.46	0.055
Toluene	0.71	0.085
Ethylbenzene	0.07	0.008
Xylenes	0.55	0.066

3. The mobile glycol reclaimer unit shall be constructed, operated, and maintained in accordance with all information submitted in Permit Application R13-2362-P6.
4. The permittee shall notify in writing, the Chief of the Office of Air Quality, the proposed startup date for operation of the mobile glycol reclaimer unit. The permittee shall also notify in writing, the Chief of the Office of Air Quality, when glycol reclaiming operations have stopped.
5. The permittee shall monitor and maintain a certified record of the glycol throughput and record this information on Attachment #1 and #2 of the permit. These records shall be certified by a responsible official and maintained on site for a period of five years. The permittee shall also maintain analysis reports for each batch of glycol processed by the mobile glycol reclaimer unit. These analysis reports shall be certified by a responsible official and maintained on site for a period of five years.

R13-2362-P6
Columbia Gas Transmission Corp.
Adaline Compressor Station

B. OTHER REQUIREMENTS

1. The pertinent sections of 45CSR2 applicable to this facility include, but are not limited to, the following:

§45-2-3.1

No person shall cause, suffer, allow, or permit emission of smoke and/or particulate matter into the open air from any fuel burning unit which is darker in shade or appearance than ten (10) percent opacity.

§45-2-3.2.

Compliance with the visible emission requirements of subsection 3.1 of this section shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9 (July 1, 1994) or by using measurements from continuous opacity monitoring systems approved by the Director. The Director may require the installation, calibration, and operation of continuous opacity monitoring systems and may establish policies for the evaluation of continuous opacity monitoring results and the determination of compliance with the visible emission requirements of subsection 3.1. of this section. Compliance opacity monitors shall not be required on fuel burning units which employ wet scrubbing systems for emission control.

2. For the purpose of determining compliance with SPECIFIC REQUIREMENTS A.1 AND A.2, the permittee shall monitor and maintain a certified record of the glycol throughput and record this information on Attachment #1 and #2 of the permit. These records shall be certified by a responsible official and maintained on site for a period of five years. The permittee shall also maintain analysis reports for each batch of glycol processed by the mobile glycol reclaiming unit. These analysis reports shall be certified by a responsible official and maintained on site for a period of five years.

3. The pertinent sections of 45CSR13 applicable to this facility include, but are not limited to, the following:

§45-13-5.1

At the time a stationary source is alleged to be in compliance with an applicable emission standard and at reasonable times to be determined by the Chief thereafter, appropriate tests consisting of visual determinations or conventional in-stack measurements or such other tests as the Chief may specify shall be conducted to determine such compliance.

§45-13-8.2

The Chief may suspend or revoke a permit if, after six (6) months from the date of issuance, the holder of the permit cannot provide the Chief, at the Chief's request, with written proof of a good faith effort that construction, modification, or relocation, if applicable, has commenced. Such proof shall be provided not later than thirty (30) days after the Chief's request. If construction or modification of a stationary source is discontinued for a period of eighteen (18) months or longer, the Chief may suspend or revoke the permit.

R13-2362-P6
Columbia Gas Transmission Corp.
Adaline Compressor Station

§45-13-8.3

The Chief may suspend or revoke a permit if the plans and specifications upon which the approval was based or the conditions established in the permit are not adhered to.

C. GENERAL REQUIREMENTS

1. In accordance with 45CSR30 - "Operating Permit Program", the permittee shall not operate nor cause to operate the permitted facility or other associated facilities on the same or contiguous sites comprising the plant without first filing a Certified Emissions Statement (CES) and paying the appropriate fee. Such Certified Emissions Statement (CES) shall be filed and the appropriate fee paid annually. A receipt for the appropriate fee shall be maintained on the premises for which the receipt has been issued, and shall be made immediately available for inspection by the Chief or his/her duly authorized representative.
2. Approval of this permit does not relieve the permittee herein of the responsibility to apply for and obtain all other permits, licenses, and/or approvals from other agencies; i.e., local, state, and federal, which may have jurisdiction over the construction and/or operation of the source(s) and/or facility herein permitted.
3. The permitted facility shall be constructed and operated in accordance with information filed in Permit Application R13-2362-P6 and any amendments thereto. The Chief may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to.
4. At such reasonable time(s) as the Chief may designate, the permittee shall conduct or have conducted test(s) to determine compliance with the emission limitations established in the permit application and/or applicable regulations. Test(s) shall be conducted in such a manner as the Chief may specify or approve and shall be filed in a manner acceptable to the Chief. The Chief, or his/her duly authorized representative, may at his option witness or conduct such test. Should the Chief exercise his option to conduct such test(s), the operator shall provide all the necessary sampling connections and sampling ports to be located in such manner as the Chief may require, power for test equipment, and the required safety equipment such as scaffolding, railings, and ladders to comply with generally accepted good safety practices. For any tests to be conducted by the permittee, a test protocol shall be submitted to the OAQ by the permittee at least thirty (30) days prior to the test and shall be approved by the Chief. The Chief shall be notified at least fifteen (15) days in advance of the actual dates and times during which the test will be conducted.
5. In the event the permittee should deem it necessary to suspend, for a period in excess of sixty (60) consecutive calendar days, the operations, either in whole or in part, authorized by this permit, the permittee shall notify the Chief, in writing, within two (2) calendar weeks of the passing of the sixtieth (60) day of the suspension period.
6. The provisions of this permit are severable and should any provision(s) be declared by a court of competent jurisdiction to be invalid or unenforceable, all other provisions shall remain in full force and effect.
7. The permittee shall notify the Chief, in writing, within fifteen (15) calendar days of the

R13-2362-P6
Columbia Gas Transmission Corp.
Adaline Compressor Station

commencement of the construction, modification, or relocation activities authorized under this permit.

8. The permittee shall notify the Chief, in writing, at least fifteen (15) calendar days prior to actual startup of the operations authorized under this permit.
9. This permit is transferable in accordance with the requirements outlined in Section 8.1 of 45CSR13.
10. Violations of any of the conditions contained in this permit, or incorporated herein by reference, may subject the permittee to civil and/or criminal penalties for each violation and further action or remedies as provided by West Virginia Code 22-5-6 and 22-5-7.
11. On or before July 1st of each calendar year, the permittee herein shall prepare and submit an emission inventory for the previous calendar year, addressing the emissions from the facility and/or process(es) authorized herein, in accordance with the emission inventory submittal requirements of the Office of Air Quality. After the initial submittal, the Chief may, based upon the type and quantity of the pollutants emitted, establish a submittal frequency other than on an annual basis.

ISSUED BY:



EDWARD L. KROPP
WV DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF AIR QUALITY

DATE SIGNED:

2/15/00

R13-2362-P6
Columbia Gas Transmission Corp.
Adaline Compressor Station

ATTACHMENT #1
MONTHLY GLYCOL THROUGHPUT REPORT^{(1),(2),(3)}

Columbia Gas Transmission Corporation
Adaline Compressor Station
Permit No. R13-2362-P6, Plant ID No. 05100100

Month, Year _____

Date	Glycol Sample No.	Glycol Processed Gallons
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
TOTAL		

- (1) The CERTIFICATION OF DATA ACCURACY statement appearing on the reverse side must be completed within fifteen (15) days of the end of the reporting period.
- (2) This record shall be maintained on site for a period of five (5) years from the date of certification. It shall be made available, upon request, to the Chief or his (her) authorized representative.
- (3) Attach Glycol Analysis Report for all glycol processed.

ATTACHMENT #2
ANNUAL GLYCOL THROUGHPUT REPORT^{(1),(2),(3)}

Columbia Gas Transmission Corporation
Adaline Compressor Station
Permit No. R13-2362-P6, Plant ID No. 05100100

Year _____

Month	Glycol Throughput Gallons	Year-to-Date Glycol Throughput Gallons	Responsible Official's Initials ⁽³⁾
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

- (1) The CERTIFICATION OF DATA ACCURACY statement appearing on the reverse side must be completed within fifteen (15) days of the end of the reporting period.
- (2) This record shall be maintained on site for a period of five (5) years from the date of certification. It shall be made available, upon request, to the Chief or his (her) authorized representative.
- (3) The Responsible Official shall initial and date each monthly record line thereby attesting to the accuracy and completeness of the data recorded therein. The Responsible Official shall initial and date the monthly record within fifteen (15) days of the end of the month of record.