

**MONTANA DEPARTMENT OF ENVIRONMENTAL QUALITY
TITLE V OPERATING PERMIT TECHNICAL REVIEW DOCUMENT**

**Permitting and Compliance Division
Air Resources Management Bureau
1520 E. Sixth Avenue
P.O. Box 200901
Helena, Montana 59620-0901**

WBI Energy Transmission, Inc.

**NE¼ of Section 19, Township 4 North, Range 62 East, in Fallon County
2010 Montana Avenue
Glendive, MT 59330**

The following table summarizes the air quality programs testing, monitoring, and reporting requirements applicable to this facility.

Facility Compliance Requirements	Yes	No	Comments
Source Tests Required	X		Method 7E, Method 9, Method 10, Method 19, Source Test Protocol approved by Montana DEQ
Ambient Monitoring Required		X	
COMS Required		X	
CEMS Required		X	
Schedule of Compliance Required		X	
Annual Compliance Certification and Semi-annual Reporting Required	X		As applicable
Monthly Reporting Required		X	
Quarterly Reporting Required		X	
Applicable Air Quality Programs			
ARM Subchapter 7 Montana Air Quality Permits (MAQP)	X		MAQP #2741-05
New Source Performance Standards (NSPS)		X	
National Emission Standards for Hazardous Air Pollutants (NESHAPS)	X		40 CFR 63, Subpart HH 40 CFR 61, Subpart M
Maximum Achievable Control Technology (MACT)	X		40 CFR 63, Subpart ZZZZ
Major New Source Review (NSR) - includes Prevention of Significant Deterioration (PSD) and/or Non-attainment Area (NAA) NSR		X	
Risk Management Plan Required (RMP)		X	
Acid Rain Title IV		X	
Compliance Assurance Monitoring (CAM)	X		Appendix E
State Implementation Plan (SIP)	X		General SIP

TABLE OF CONTENTS

I. GENERAL INFORMATION.....	3
A. PURPOSE.....	3
B. FACILITY LOCATION.....	3
C. FACILITY BACKGROUND INFORMATION.....	3
D. CURRENT PERMIT ACTION.....	6
E. TAKING AND DAMAGING ANALYSIS.....	6
F. COMPLIANCE DESIGNATION.....	7
II. SUMMARY OF EMISSION UNITS	8
A. FACILITY PROCESS DESCRIPTION.....	8
B. EMISSION UNITS AND POLLUTION CONTROL DEVICE IDENTIFICATION.....	8
C. CATEGORICALLY INSIGNIFICANT SOURCES/ACTIVITIES	8
III. PERMIT CONDITIONS.....	10
A. EMISSION LIMITS AND STANDARDS.....	10
B. MONITORING REQUIREMENTS.....	10
C. TEST METHODS AND PROCEDURES	10
D. RECORDKEEPING REQUIREMENTS	11
E. REPORTING REQUIREMENTS	11
F. PUBLIC NOTICE	11
G. DRAFT PERMIT COMMENTS	11
IV. NON-APPLICABLE REQUIREMENTS ANALYSIS	13
V. FUTURE PERMIT CONSIDERATIONS.....	14
A. MACT STANDARDS (PART 63):.....	14
B. NESHAP STANDARDS (PART 61):.....	14
C. NSPS STANDARDS:.....	14
D. RISK MANAGEMENT PLAN:.....	14
E. COMPLIANCE ASSURANCE MONITORING (CAM) APPLICABILITY	14
F. PSD AND TITLE V GREENHOUSE GAS TAILORING RULE.....	15

I. GENERAL INFORMATION

A. Purpose

This document establishes the basis for the decisions made regarding the applicable requirements, monitoring plan, and compliance status of emission units affected by the operating permit proposed for this facility. The document is intended for reference during review of the proposed permit by the U.S Environmental Protection Agency (EPA) and the public. It is also intended to provide background information not included in the operating permit and to document issues that may become important during modifications or renewals of the operating permit. Conclusions in this document are based on information provided in the original operating permit application submitted by Williston Basin Interstate Pipeline Company received by the Department on June 12, 1996 (OP2741-00); a renewal application submitted on November 1, 2002 (OP2741-01); a modification request received on March 30, 2004 (OP2741-02), a renewal application received on December 19, 2007 (OP2741-03); a modification application received on January 11, 2010 to update the Compliance Assurance Monitoring (CAM) Plan (OP2741-04); an administrative amendment request to change the permittee name from Williston Basin Interstate Pipeline Company to WBI Energy Transmission, Inc. (WBI) received on December 10, 2012, a renewal application received on September 10, 2013 (OP2741-06) and an administrative amendment request to change the responsible official from Scott Fradenburgh to Marc Dempewolf (OP2741-07) received October 17, 2013.

B. Facility Location

WBI Energy Transmission, Inc. (WBI) owns and operates the Little Beaver Compressor Station. This facility is located in the NE¹/₄ of Section 19, Township 4 North, Range 62 East, in Fallon County, Montana. Fallon County is designated as an Unclassifiable/Attainment area for National Ambient Air Quality Standards (NAAQS) for all criteria pollutants. The Little Beaver Compressor Station is located in a remote area 22 miles southeast of Baker, Montana. The adjacent land is used for grain cropland and rangeland, as well as a developed oil and gas field. The nearest residents are WBI employee housing located adjacent to the facility.

C. Facility Background Information

Montana Air Quality Permit

The Little Beaver Compressor Station was constructed by the Montana Dakota Utilities Company, WBI's predecessor, in 1936. The name of the company later became Williston Basin Interstate Pipeline Company (WBIPC). This facility originally had five 190-horsepower (hp) Ingersoll-Rand engines with two 300-hp Ingersoll-Rand engines being added in 1939. In 1952 the 190-hp Waukesha generator engine was installed. One 440-hp engine was added in 1954, and the ninth compressor engine, an 880-hp Ingersoll-Rand, was added in 1962.

WBIPC was issued **MAQP #2741-00** in 1992, which allowed WBIPC to install the dehydration unit used to remove water from the natural gas. The permit was issued for the operation of the Little Beaver Compressor Station; which included nine engines, one generator engine, a dehydration unit, and the miscellaneous heaters, boilers, and fugitive Volatile Organic Compound (VOC) sources. The engines at Little Beaver did not require testing.

On October 15, 1996, the Department of Environmental Quality (Department) received a permit application for additions that were proposed for the Little Beaver Compressor Station Permit #2741-00. **MAQP #2741-01** was issued on February 1, 1997, for the addition of source EU10, a 1,100-hp Superior 8GTLE lean burn natural gas compressor engine. Also, the permit required the installation of control equipment on source EU9, the 880-hp Ingersoll-Rand engine and increased stack heights on all ten existing engines at the facility. Because the Ingersoll Rand compressor engines and the Waukesha generator engine were manufactured and installed prior to 1968 (grandfathered sources), the plant-wide emissions limits contained in Section II.A.5 of MAQP #2741-00 were not required; therefore, the Department removed the limits.

On January 22, 2003, the Department removed the every 4-year testing requirements for Source #09 and Source #10 from MAQP #2741-01. In addition, the Department added a federally enforceable condition for Source #10 so that WBIPC may make “like for like” engine swaps according to the provisions of the Administrative Rules of Montana (ARM) 17.8.745(1)(r). Further, the permit format and language were updated to reflect current Department permit format and permit language. **MAQP #2741-02** replaced MAQP #2741-01.

On August 4, 2004, WBIPC was issued Permit #2741-03 for a modification to MAQP #2741-02, which included the installation and operation of two 1,680-hp natural gas-fired engines. Each engine would be driving natural gas compressors and would have the ability to pull suction on production and/or storage pipelines and to discharge into gathering and/or transmission pipelines. Aspen Consulting and Engineering (Aspen) on behalf of WBIPC submitted modeling to demonstrate compliance with all applicable ambient air quality standards. The proposed units would replace the existing Little Beaver Units #1, 2, 3, 4, 5, 6, and 7. The current permit action also updated the rule references and language used by the Department. **MAQP #2741-03** replaced MAQP #2741-02.

On March 25, 2010, WBIPC submitted a request to the Department to remove one of the 1,680-hp natural gas-fired engines from the facility’s MAQP. The engine was permitted in 2004, but never installed at the facility. The Department removed the engine from the MAQP, as requested, and updated permit language to reflect current permit language. **MAQP #2741-04** replaced MAQP #2741-03.

On December 10, 2012 the Department received a request to change the permittee name from Williston Basin Interstate Pipeline Company to WBI Energy Transmission, Inc. (WBI). The permit action was an administrative amendment pursuant to ARM 17.8.764 that changed the permittee name as requested. **MAQP #2741-05** replaced MAQP #2741-04.

Title V

Operating Permit #OP2471-00 was issued final and effective May 1, 1998, and expired May 1, 2003.

Operating Permit #OP2741-01 was a renewal of WBIPC’s Title V Operating Permit #OP2741-00 for the Little Beaver Compressor Station. WBIPC’s Operating Permit #OP2741 is applicable for 5 years and expires June 21, 2008. Operating Permit #OP2741-01 replaced Operating Permit #OP2741-00. Operating Permit #OP2741-01 replaced Operating Permit #OP2741-00.

Operating Permit #OP2741-02 was a significant modification for the installation and operation of two 1680-hp natural gas fired compressor engines and the removal of units #1-#7. Additionally, the units were renumbered to designate EU11 and EU12 as the two 1680-hp Waukesha compressor engines and to designate the previous units EU11-EU17 as EU21-EU27. Further, the facility contact person was changed from Daryl Uran to Kirk Conroy. Operating Permit #OP2741-02 replaced Operating Permit #OP2741-01.

Operating Permit #OP2741-03 was a renewal which included the addition of one 560-gallon methanol tank at the facility which was added per the de minimis provisions of ARM 17.8.745 and the insignificant emitting unit provisions of ARM 17.8.1201(22). In addition, the facility contact person was changed from Kirk Conroy to Steve Losing. Also, the semi-annual portable analyzer testing requirements were modified to reflect the testing waiver granted to WBIPC if the compressor engines operated less than 500 hours during any semi-annual period (January 1 to June 30 or July 1 to December 31). The waiver was granted by the Department in a letter dated October 13, 2006. Operating Permit #OP2741-03 replaced Operating Permit #OP2741-02.

On January 11, 2010, WBIPC submitted an application to modify Operating Permit OP#2741-03 to include a CAM Plan for the 1680-hp Waukesha compressor engine and the 880-hp Ingersoll Range engine. In addition, the following changes were made:

The Facility Contact Person was changed to Stacy Aguirre;
The Alternate Contact Person was listed as Jill Linn
EU12 was removed from the permit
EU23 – EU 27 were moved from significant emitting units to insignificant emitting units and subsequent removal of conditions applying to these units; and
An updated list of insignificant activities was included.

The Department updated the permit as requested. Title V **Operating Permit #OP2741-04** replaced Title V Operating Permit #OP2741-03.

On December 10, 2012 the Department received a request to change the permittee name from Williston Basin Interstate Pipeline Company to WBI Energy Transmission, Inc. (WBI). In addition, it was noted that the permit expiration date had mistakenly been changed during the OP#2741-04 action. The Department updated the permit as requested and corrected the permit expiration date from September 28, 2015 to June 19, 2014. Title V **Operating Permit #OP2741-05** replaced Title V Operating Permit #OP2741-04.

On September 10, 2013, the Department received a renewal application for Title V Operating Permit #OP2741-05. Subsequently, on October 17, 2013, the Department received a letter from WBI requesting an amendment of their Title V Operating Permit to change the responsible official and alternate responsible official. At the request of WBI, the permit amendment was processed prior to the renewal and **Operating Permit #OP2741-07** replaced Operating Permit #OP2741-05.

D. Current Permit Action

On September 10, 2013, the Department received a renewal application for Title V Operating Permit #OP2741-05. The Department also updated the permit to include new applicable requirements (40 CFR 63, ZZZZ) and updated the list of insignificant emitting units. **Operating Permit #OP2741-06** replaces Operating Permit #OP2741-07.

E. Taking and Damaging Analysis

HB 311, the Montana Private Property Assessment Act, requires analysis of every proposed state agency administrative rule, policy, permit condition or permit denial, pertaining to an environmental matter, to determine whether the state action constitutes a taking or damaging of private real property that requires compensation under the Montana or U.S. Constitution. As part of issuing an operating permit, the Department is required to complete a Taking and Damaging Checklist. As required by 2-10-101 through 2-10-105, MCA, the Department conducted the following private property taking and damaging assessment.

YES	NO	
X		1. Does the action pertain to land or water management or environmental regulation affecting private real property or water rights?
	X	2. Does the action result in either a permanent or indefinite physical occupation of private property?
	X	3. Does the action deny a fundamental attribute of ownership? (ex.: right to exclude others, disposal of property)
	X	4. Does the action deprive the owner of all economically viable uses of the property?
	X	5. Does the action require a property owner to dedicate a portion of property or to grant an easement? [If no, go to (6)].
		5a. Is there a reasonable, specific connection between the government requirement and legitimate state interests?
		5b. Is the government requirement roughly proportional to the impact of the proposed use of the property?
	X	6. Does the action have a severe impact on the value of the property? (consider economic impact, investment-backed expectations, character of government action)
	X	7. Does the action damage the property by causing some physical disturbance with respect to the property in excess of that sustained by the public generally?
	X	7a. Is the impact of government action direct, peculiar, and significant?
	X	7b. Has government action resulted in the property becoming practically inaccessible, waterlogged or flooded?
	X	7c. Has government action lowered property values by more than 30% and necessitated the physical taking of adjacent property or property across a public way from the property in question?
	X	Takings or damaging implications? (Taking or damaging implications exist if YES is checked in response to question 1 and also to any one or more of the following questions: 2, 3, 4, 6, 7a, 7b, 7c; or if NO is checked in response to questions 5a or 5b; the shaded areas)

Based on this analysis, the Department determined there are no taking or damaging implications associated with this permit action.

F. Compliance Designation

On May 21, 2013, the Department conducted an inspection and a Full Compliance Evaluation (FCE) of WBI's Little Beaver Compressor Station. The inspection findings and all the material reviewed in the Department's files indicated that the facility was in compliance with the limits and conditions of MAQP #2741-05 and Title V Operating Permit #OP2741-05 at the time of inspection.

II. SUMMARY OF EMISSION UNITS

A. Facility Process Description

The Little Beaver Compressor Station has two primary purposes. The first is to gather natural gas from natural gas fields in the Baker, Montana area and to compress the field gas up to the required pressure in the natural gas transmission system. Natural gas from the Little Beaver Compressor Station is transported via pipeline to a WBI facility at Belle Fourche, South Dakota. The Little Beaver Compressor Station moves an average of 45-million standard cubic feet per day (MMScf/day) of natural gas during the winter months. The volume of gas moved during the summer months is considerably lower.

The second purpose of the facility is to “dry” the gas as it is being processed. The gas contains some moisture, which must be removed from the system prior to being sent into the transmission system. This is accomplished with a dehydrator, also commonly called a reboiler or glycol unit.

The Standard Industrial Classification (SIC) codes for this facility are "Natural Gas Transmission" and “Natural Gas Production” which have SIC Codes of "4922" and “1311”, respectively.

B. Emission Units and Pollution Control Device Identification

Currently, the Little Beaver Compressor Station has a 190-hp Waukesha engine, a 440-hp Ingersoll-Rand engine, a 880-hp Ingersoll-Rand engine, a 1,100-hp Superior engine, and a 1680-hp Waukesha 7044 GSI engine. The 190-hp Waukesha engine and 440-hp Ingersoll-Rand engine were manufactured prior to 1968 and are grandfathered sources for requiring installation of pollution control equipment. Nitrogen Oxides (NO_x) emissions from the 880-hp Ingersoll-Rand are controlled with a non-selective catalytic reduction (NSCR) unit and an air/fuel ratio (AFR) controller. NO_x and Carbon Monoxide (CO) emissions from the 1,100-hp Superior engine are controlled with a lean burn package and an AFR controller. NO_x and CO emissions from the 1680-hp Waukesha 7044 GSI engine is controlled with a NSCR unit and an AFR controller. VOC emissions are minimized by burning pipeline quality natural gas in these engines.

C. Categorically Insignificant Sources/Activities

The following table of insignificant sources and/or activities was provided by the permittee. Because there are no requirements to update such a list, the emissions units and/or activities may change from those specified in the table.

Emissions Unit ID	Description
Natural Gas-Fired Space Heaters, Water Heaters, and other Gas-Fired Sources	
Fugitive and emissions	
Weil McLain Boiler	1.95 MMBtu/hr
AO Smith Water Heater	0.032 MMBtu/hr
Reliance 606 Water Heater	0.0355 MMBtu/hr
Warm Morning Heater	0.02 MMBtu/hr
ITT Grinnel Heater	0.125 MMBtu/hr
(4) Cata-Dyne Wall Heaters	0.032 MMBtu/hr

Emissions Unit ID	Description
In-Plant Vehicle Traffic	
Tanks	
TEG	1500 gallon poly
TEG - Usually Empty (Back-up use only)	340, 500, and, 1500 gallon poly
Ethylene Glycol	500 gallon fiberglass
Water	(2) 16000 gallon steel
Wastewater/Condensate/Sludge	(2) 2500 gallon steel
Slop Oil/Water	(3) 2000 and (1) 4000 gallon steel 500 and 1000 gallon fiberglass
Used oil	2000, 1000, and, 456 gallon steel
New oil	(2) 1000, (1) 350, (2) 304, (1) 130 gallon steel and (18) < 100 gallon steel
Methanol	300 and 1000 gallon steel
Gasoline	500 gallon steel
Diesel	300 gallon steel
Solvent	55 gallon poly
Odorant	250 gallon steel

III. PERMIT CONDITIONS

A. Emission Limits and Standards

Emission limits for the 880-hp Ingersoll-Rand engine were established under the authority of ARM 17.8.749 and the emission limits for the 1,100-hp Superior engine and 1680-hp Waukesha 7044 GSI engines were established by a Best Available Control Technology (BACT) determination under the authority of ARM 17.8.752. The 880-hp Ingersoll-Rand engine has an emission limit of 5.82 pound per hour (lb/hr) NO_x. The 1,100-hp Superior engine has an emission limit of 4.85 lb/hr NO_x, 7.28 lb/hr CO, and 2.43 lb/hr VOC. The 1680-hp Waukesha 7044 GSI engine has emissions limits of 3.70 lb/hr NO_x, 4.44 lb/hr CO, and 1.85 lb/hr VOC.

The glycol dehydration reboiler (EU22) is subject to 40 Code of Federal Regulation (CFR) 63, Subpart HH, National Emission Standards for Hazardous Air Pollutants from Oil and Gas Production Facilities. Stationary engines are subject to 40 CFR 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants from Stationary Reciprocating Internal Combustion Engines. All other emission units at this facility are not subject to any current MACT, NESHAP, or NSPS. This facility is not subject to PSD regulations.

B. Monitoring Requirements

ARM 17.8.1212(1) requires that all monitoring and analysis procedures or test methods required under applicable requirements are contained in operating permits. In addition, when the applicable requirement does not require periodic testing or monitoring, periodic monitoring must be prescribed that is sufficient to yield reliable data from the relevant time period that is representative of the source's compliance with the permit.

The requirements for testing, monitoring, recordkeeping, reporting, and compliance certification sufficient to assure compliance do not require the permit to impose the same level of rigor for all emission units. Furthermore, they do not require extensive testing or monitoring to assure compliance with the applicable requirements for emission units that do not have significant potential to violate emission limitations or other requirements under normal operating conditions. When compliance with the underlying applicable requirement for an insignificant emissions unit is not threatened by lack of regular monitoring and when periodic testing or monitoring is not otherwise required by the applicable requirement, the status quo (i.e., no monitoring) will meet the requirements of ARM 17.8.1212(1). Therefore, the permit does not include monitoring for insignificant emission units.

The permit includes periodic monitoring or recordkeeping for each applicable requirement. The information obtained from the monitoring and recordkeeping will be used by the permittee to periodically certify compliance with the emission limits and standards. However, the Department may request additional testing to determine compliance with the emission limits and standards.

C. Test Methods and Procedures

The operating permit may not require testing for all sources if routine monitoring is used to determine compliance, but the Department has the authority to require testing if deemed necessary to determine compliance with an emission limit or standard. In addition, the permittee may elect to voluntarily conduct compliance testing to confirm its compliance status.

D. Recordkeeping Requirements

The permittee is required to keep all records listed in the operating permit as a permanent business record for at least five years following the date of the generation of the record.

E. Reporting Requirements

Reporting requirements are included in the permit for each emissions unit and Section V of the operating permit "General Conditions" explains the reporting requirements. However, the permittee is required to submit semi-annual and annual monitoring reports to the Department and to annually certify compliance with the applicable requirements contained in the permit. The reports must include a list of all emission limit and monitoring deviations, the reason for any deviation, and the corrective action taken as a result of any deviation.

F. Public Notice

In accordance with ARM 17.8.1232, a public notice was published in the *Billings Gazette* newspaper on or before April 4, 2014. The Department provided a 30-day public comment period on the draft operating permit from April 4, 2014 to May 5, 2014. ARM 17.8.1232 requires the Department to keep a record of both comments and issues raised during the public participation process. The comments and issues received by May 5, 2014 will be summarized, along with the Department's responses, in the following table. All comments received during the public comment period will be promptly forwarded to WBI so they may have an opportunity to respond to these comments as well.

G. Draft Permit Comments

Summary of Permittee Comments

Permit Reference	Permittee Comment	Department Response
OP2741-06: Table of Contents, III.E. (Heading), Conditions E.4 – E.7, E.9, and E.19	EU11 is listed as 1,680-bhp or Less Natural Gas Compressor Engine. WBI requested that it be changed to 1680-hp Waukesha 7044 GSI compressor engine	Corrected as requested
OP2741-06: Section II (table)	EU9 is listed as a 48XVG compressor engine. WBI requested that it be changed to a 48 KVG compressor engine.	Corrected as requested
OP2741-06: Section II (table) and Section III.G (heading) and Appendix A	WBI requested that Unit EU22 include both the dehydrator reboiler and vent in the description and that the dehydrator reboiler and vent be removed from the List of Insignificant Activities in Appendix A.	Changed as requested
OP2741-06: Conditions B.13.c, C.22.f, D.21.e, E.25.g, and F13.c	WBI requested that permit language be changed avoid a perceived implication that the engines are subject to monitoring requirements of 40 CFR 63, Subpart ZZZZ.	Changed as requested

Permit Reference	Permittee Comment	Department Response
OP2741-06: Condition C.22	WBI requested that a typographical error be corrected. Condition C.22 omitted bullet c.	Corrected as requested
OP2741-06: Condition E.12	WBI requested that testing requirements for EU11 include language allowing for a test waiver if the unit operates less than 500 hours in a semiannual period.	Added as requested
OP2741-06: Condition E.25.c and E.25.d	WBI requested that the following typographical errors be corrected: Condition E.25.c should reference Section III.E.13 (not III.E.12) and Condition E.25.d should reference Section III.E.19 (not III.E.17)	Corrected as requested
OP2741-06: CAM Plan, pages E-1 and E-3	WBI requested that references to the operating permit number (ie. OP2741-06) be omitted from the CAM plan to prevent the necessity of updating the CAM plan every time the permit is modified or renewed.	Permit numbers have been removed as requested
OP2741-06: CAM Plan, page E-3, Indicator #3: Semi- annual Portable Analyzer Tests for NO _x and CO, Measurement Approach	Regarding the portable analyzer tests, WBI requested that language referencing the " <u>Periodic Monitoring Protocol – Determination of Nitrogen Oxides and Carbon Monoxide at Affected Source Units Operated by Williston Basin Interstate Pipeline Company</u> (Protocol) approved by the Montana Department of Environmental Quality on January 12, 2007" be removed. They propose that the language be replaced with a reference to "the most current Department approved protocol".	Changed as requested
TRD2741-06: page 2, Table of Contents	WBI requested that a typographical error in the table of contents be corrected. The table of contents omitted section title "I.D. Current Permit Action".	Corrected as requested

Summary of EPA Comments

Permit Reference	EPA Comment	Department Response
	No comments were received.	

IV. NON-APPLICABLE REQUIREMENTS ANALYSIS

Section IV of the operating permit "Non-applicable Requirements" contains the requirements that the Department determined were non-applicable. The following table summarizes the requirements that WBI identified as non-applicable and contains the reasons that the Department did not include these requirements as non-applicable in the permit.

Requirement not Identified in the Operating Permit

Applicable Requirement	Reason
40 CFR 61, Subpart M National Emissions Standards for Hazardous Air Pollutants - Asbestos	This is a federal regulation that has specific procedural requirements that may become relevant to the major source during the permit term.

V. FUTURE PERMIT CONSIDERATIONS

A. MACT Standards (Part 63):

As of the issuance date of Operating Permit #OP2741-06, WBI is subject to the area source provisions of 40 CFR 63, Subpart HH because it owns or operates a triethylene glycol dehydration unit at an oil and natural gas production facility, and 40 CFR 63, Subpart ZZZZ because the facility has stationary reciprocating internal combustion engines. The Department is unaware of any proposed or pending MACT standards that may be promulgated that will affect the Little Beaver Compressor Station.

B. NESHAP Standards (Part 61):

As of the issuance date of Operating Permit #OP2741-06, the Department is unaware of any future NESHAP Standards that may be promulgated that will affect this facility.

C. NSPS Standards:

As of the issuance date of Operating Permit #OP2741-06, the Department is unaware of any future NSPS Standards that may be promulgated that will affect this facility.

D. Risk Management Plan:

As of the issuance date of Operating Permit #OP2741-06, this facility does not exceed the minimum threshold quantities for any regulated substance listed in 40 CFR 68.115 for any facility process. Consequently, this facility is not required to submit a Risk Management Plan.

If a facility has more than a threshold quantity of a regulated substance in a process, the facility must comply with 40 CFR 68 requirements; three years after the date on which a regulated substance is first listed under 40 CFR 68.130; or the date on which a regulated substance is first present in more than a threshold quantity in a process, whichever is later.

E. Compliance Assurance Monitoring (CAM) Applicability

An emitting unit located at a Title V facility that meets the following criteria listed in ARM 17.8.1503 is subject to Subchapter 15 and must develop a CAM Plan for that unit:

- The emitting unit is subject to an emission limitation or standard for the applicable regulated air pollutant (other than emission limits or standards proposed after November 15, 1990, since these regulations contain specific monitoring requirements);
- The emitting unit uses a control device to achieve compliance with such limit; and
- The emitting unit has potential pre-control device emission of the applicable regulated air pollutants that are greater than major source thresholds.

WBI has two emitting CAM applicable units: EU9 – Ingersoll Rand 48 KVG, 4-Stroke Rich Burn (880 hp) Natural Gas Compressor Engine, and EU11 – Waukesha 7044 GSI, 4-Stroke Rich Burn (1680 hp) Natural Gas compressor Engine. The CAM plan for these units was submitted to the Department on January 11, 2010 and is contained in Appendix E of Title V Operating Permit #OP2741-06.

F. PSD and Title V Greenhouse Gas Tailoring Rule

On May 7, 2010, EPA published the “light duty vehicle rule” (Docket # EPA-HQ-OAR-2009-0472, 75 FR 25324) controlling greenhouse gas (GHG) emissions from mobile sources, whereby GHG became a pollutant subject to regulation under the Federal and Montana Clean Air Act(s). On June 3, 2010, EPA promulgated the GHG “Tailoring Rule” (Docket # EPA-HQ-OAR-2009-0517, 75 FR 31514) which modified 40 CFR Parts 51, 52, 70, and 71 to specify which facilities are subject to GHG permitting requirements and when such facilities become subject to regulation for GHG under the PSD and Title V programs.

Under the Tailoring Rule, any PSD action (either a new major stationary source or a major modification at a major stationary source) taken for a pollutant or pollutants other than GHG that would become final on or after January 2, 2011 would be subject to PSD permitting requirements for GHG if the GHG increases associated with that action were at or above 75,000 TPY of carbon dioxide equivalent (CO₂e) and greater than 0 TPY on a mass basis. Similarly, if such action were taken, any resulting requirements would be subject to inclusion in the Title V Operating Permit. Facilities which hold Title V permits due to criteria pollutant emissions over 100 TPY would need to incorporate any GHG applicable requirements into their operating permits for any Title V action that would have a final decision occurring on or after January 2, 2011.

Starting on July 1, 2011, PSD permitting requirements would be triggered for modifications that were determined to be major under PSD based on GHG emissions alone, even if no other pollutant triggered a major modification. In addition, sources that are not considered PSD major sources based on criteria pollutant emissions would become subject to PSD review if their facility-wide potential emissions equaled or exceeded 100,000 TPY of CO₂e and 100 or 250 TPY of GHG on a mass basis depending on their listed status in ARM 17.8.801(22) and they undertook a permitting action with increases of 75,000 TPY or more of CO₂e and greater than 0 TPY of GHG on a mass basis. With respect to Title V, sources not currently holding a Title V permit that have potential facility-wide emissions equal to or exceeding 100,000 TPY of CO₂e and 100 TPY of GHG on a mass basis would be required to obtain a Title V Operating Permit.

Based on information provided by WBI, WBI’s potential emissions fall below the GHG major source threshold of 100,000 TPY of CO₂e for both Title V and PSD under the Tailoring Rule.