



May 5, 2020

WBI Energy Transmission
Baker Compressor Station
Glendive, MT 59330

Dear Mr. Norgaard:

Montana Air Quality Permit #2954-04 is deemed final as of May 5, 2020, by the Department of Environmental Quality (Department). All conditions of the Department's Decision remain the same. Enclosed is a copy of your permit with the final date indicated.

For the Department,

A handwritten signature in black ink that reads "Julie A. Merkel".

Julie A. Merkel
Permitting Services Section Supervisor
Air Quality Bureau
(406) 444-3626

A handwritten signature in black ink that reads "Craig Henrikson".

Craig Henrikson P.E.
Environmental Engineer
Air Quality Bureau
(406) 444-6711

JM:CH
Enclosure

Montana Department of Environmental Quality
Air, Energy & Mining Division

Montana Air Quality Permit #2954-04

WBI Energy Transmission, Inc.
Baker Compressor Station
2010 Montana Avenue
Glendive, MT 59330

May 5, 2020



MONTANA AIR QUALITY PERMIT

Issued WBI Energy Transmission, Inc.
To: Baker Compressor Station
2010 Montana Avenue
Glendive, MT 59330

MAQP: #2954-04
Administrative Amendment (AA)
Received 03/26/2020
Department's Decision on AA: 04/17/2020
Permit Final: 05/05/2020

A Montana Air Quality Permit (MAQP), with conditions, is hereby granted to WBI Energy Transmission, Inc. (WBI), pursuant to Sections 75-2-204 and 211 of the Montana Code Annotated (MCA), as amended, and Administrative Rules of Montana (ARM) 17.8.740, *et seq.*, as amended, for the following:

SECTION I: Permitted Facilities

A. Plant Location

WBI owns and operates a natural gas compressor station known as the Baker Compressor Station. The facility is located on Highway 12, east of Baker, Montana. The legal description of the facility is the Southeast ¼, of the Southeast ¼, of Section 12, Township 7 North, Range 59 East in Fallon County, Montana. A complete list of the permitted equipment is contained in Section I.A of the permit analysis.

B. Current Permit Action

On March 26, 2020, the Montana Department of Environmental Quality (Department) received an administrative amendment (AA) request from WBI to remove the three 540 horsepower Cooper Bessemer engines from their MAQP. These engines were identified as EU001, EU008 and EU009, which also represent the emitting unit numbers used to identify these engines in Operating Permit (OP) #OP2954-07. The request also indicates that once these engines are removed from the MAQP, the facility will no longer be above major permitting thresholds and requests a revocation of #OP 2954-07. The request also included some minor changes to insignificant emitting units listed in their MAQP.

SECTION II: Conditions and Limitations

A. Emission Limitations

1. WBI shall not operate more than one 1,680-Hp Waukesha Compressor Engine at any given time. The engine shall have a minimum stack height of 18 feet above ground level and emissions from the engine shall be controlled with a Non-Selective Catalytic Reduction (NSCR) Unit and an Air to Fuel Ratio (AFR) controller. Emissions from the 1,680-Hp Waukesha Compressor Engine shall not exceed the following (ARM 17.8.749 and ARM 17.8.752):

| | |
|---|------------------------------|
| Oxides of Nitrogen (NO _x) (as NO ₂) | 7.41 pounds per hour (lb/hr) |
| Carbon Monoxide (CO) | 11.11 lb/hr |
| Volatile Organic Compounds (VOC) | 3.70 lb/hr |

- WBI shall not operate more than one 384-bhp Ajax DPC-2802LE lean burn compressor engine at any given time. The emissions from the engine shall be controlled with an oxidation catalyst. Emissions from the Ajax DPC-2802LE engine shall not exceed the following (ARM 17.8.752):

| | | |
|-----------------|----------------|--|
| NO _x | 0.85 lb/hr and | 1.0 grams per brake horsepower-hour (g/bhp-hr) |
| CO | 1.69 lb/hr and | 2.0 g/bhp-hr |
| VOC | 0.59 lb/hr and | 0.7 g/bhp-hr |

- WBI shall not cause or authorize emissions to be discharged into the outdoor atmosphere from any sources installed on or before November 23, 1968, that exhibit an opacity of 40% or greater averaged over 6 consecutive minutes (ARM 17.8.304).
- WBI shall not cause or authorize emissions to be discharged into the outdoor atmosphere from any sources installed after November 23, 1968, that exhibit an opacity of 20% or greater averaged over 6 consecutive minutes (ARM 17.8.304).
- WBI shall not cause or authorize the use of any street, road, or parking lot without taking reasonable precautions to control emissions of airborne particulate matter (ARM 17.8.308).
- WBI shall treat all unpaved portions of the haul roads, access roads, parking lots, or general plant area with water and/or chemical dust suppressant as necessary to maintain compliance with the reasonable precautions limitation in Section II.A.5 (ARM 17.8.749).
- WBI shall comply with any applicable standards, limitations, reporting, recordkeeping, and notification requirements contained in Title 40 Code of Federal Regulations (40 CFR) 60, Subpart JJJJ – New Source Performance Standards for Stationary Spark Ignition Internal Combustion Engines and 40 CFR 63, Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (ARM 17.8.340, 40 CFR 60, Subpart JJJJJ, 40 CFR 63, Subpart ZZZZ).

B. Testing Requirements

- WBI shall test the 1,680-Hp Waukesha Compressor Engine for NO_x and CO, concurrently, to demonstrate compliance with the NO_x and CO emission limits contained in Section II.A.1. Testing shall occur on an every-4-year basis or according to another testing/monitoring schedule as may be approved by the Department (ARM 17.8.105 and ARM 17.8.749).
- WBI shall test the 384-bhp Ajax Compressor Engine for NO_x and CO, concurrently, to demonstrate compliance with the NO_x and CO emission limits contained in Section II.A.2. Testing shall occur on an every 4-year basis or

according to another testing/monitoring schedule as may be approved by the Department (ARM 17.8.105 and ARM 17.8.749).

3. All compliance source tests shall conform to the requirements of the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106).
4. The Department may require further testing (ARM 17.8.105).

C. Operational Reporting Requirements

1. WBI shall supply the Department with annual production information for all emission points, as required by the Department in the annual emission inventory request. The request will include, but is not limited to, all sources of emissions identified in the emission inventory contained in the permit analysis.

Production information shall be gathered on a calendar-year basis and submitted to the Department by the date required in the emission inventory request. Information shall be in the units required by the Department. This information may be used to calculate operating fees, based on actual emissions from the facility, and to verify compliance with permit limitations (ARM 17.8.505).

2. WBI shall notify the Department of any construction or improvement project conducted pursuant to ARM 17.8.745, that would include the addition of a new emissions unit, a change in control equipment, stack height, stack diameter, stack flow, stack gas temperature, source location or fuel specifications, or would result in an increase in source capacity above its permitted operation or the addition of a new emission unit. The notice must be submitted to the Department, in writing, 10 days prior to start up or use of the proposed de minimis change, or as soon as reasonably practicable in the event of an unanticipated circumstance causing the de minimis change, and must include the information requested in ARM 17.8.745(1)(d) (ARM 17.8.745).
3. All records compiled in accordance with this permit must be maintained by WBI as a permanent business record for at least 5 years following the date of the measurement, must be available at the plant site for inspection by the Department, and must be submitted to the Department upon request (ARM 17.8.749).

SECTION III: General Conditions

- A. Inspection – WBI shall allow the Department’s representatives access to the source at all reasonable times for the purpose of making inspections or surveys, collecting samples, obtaining data, auditing any monitoring equipment (Continuous Emissions Monitoring System (CEMS), Continuous Emission Rate Monitoring System (CERMS) or observing any monitoring or testing, and otherwise conducting all necessary functions related to this permit.
- B. Waiver – The permit and the terms, conditions, and matters stated herein shall be deemed accepted if WBI fails to appeal as indicated below.

- C. Compliance with Statutes and Regulations – Nothing in this permit shall be construed as relieving WBI of the responsibility for complying with any applicable federal or Montana statute, rule, or standard, except as specifically provided in ARM 17.8.740, *et seq.* (ARM 17.8.756).
- D. Enforcement – Violations of limitations, conditions and requirements contained herein may constitute grounds for permit revocation, penalties or other enforcement action as specified in Section 75-2-401, *et seq.*, MCA.
- E. Appeals – Any person or persons jointly or severally adversely affected by the Department’s decision may request, within 15 days after the Department renders its decision, upon affidavit setting forth the grounds therefore, a hearing before the Board of Environmental Review (Board). A hearing shall be held under the provisions of the Montana Administrative Procedures Act. The filing of a request for a hearing does not stay the Department’s decision, unless the Board issues a stay upon receipt of a petition and a finding that a stay is appropriate under Section 75-2-211(11)(b), MCA. The issuance of a stay on a permit by the Board postpones the effective date of the Department’s decision until conclusion of the hearing and issuance of a final decision by the Board. If a stay is not issued by the Board, the Department’s decision on the application is final 16 days after the Department’s decision is made.
- F. Permit Inspection – As required by ARM 17.8.755, Inspection of Permit, a copy the air quality permit shall be made available for inspection by the Department at the location of the source.
- G. Permit Fee – Pursuant to Section 75-2-220, MCA, as amended by the 1991 Legislature, failure to pay the annual operation fee by WBI may be grounds for revocation of this permit, as required by that section and rules adopted thereunder by the Board.
- H. Duration of Permit – Construction or installation must begin or contractual obligations entered into that would constitute substantial loss within 3 years of permit issuance and proceed with due diligence until the project is complete or the permit shall expire (ARM 17.8.762).

Montana Air Quality Permit (MAQP) Analysis
WBI Energy Transmission Inc.
Baker Compressor Station
MAQP #2954-04

I. Introduction/Process Description

WBI Energy Transmission, Inc. (WBI) owns and operates a natural gas compressor station known as the Baker Compressor Station. The facility is located on Highway 12, east of Baker, Montana. The legal description of the facility is the Southeast ¼, of the Southeast ¼, of Section 12, Township 7 North, Range 59 East in Fallon County, Montana.

A. Permitted Equipment

The facility consists of the following equipment:

- One 1,680-Hp Waukesha Compressor Engine installed in 2003.
- One 384-Brake-horsepower (bhp) Ajax Engine installed in 2014.

Miscellaneous Tanks including:

- One 4,000 gallon slop oil/water tank
- One 2,000-gallon used oil tank
- One 1,000-gallon slop oil/water tank
- Three 657-gallon new oil tanks
- One 200-gallon new oil tank
- One 120-gallon new oil tank
- One 60-gallon new oil tank

Building and process heaters including:

- One 3.0-million British thermal unit per hour (MMBtu/hr) direct fired dehydration unit regenerator
- One 1.26-MMBtu/hr Mueller Steam Boiler (Space Heating)
- Two 0.20 MMBtu/hr Modine Space Heaters
- Two 0.15 MMBtu.hr Armstrong Space Heaters
- One 0.125 MMBtu/hr Enerteck Tank Heater
- Two 0.121 MMBtu.hr Modine Space Heaters
- One 0.065 MMBtu/hr AO Smith Water Heater
- One 0.05-MMBtu/hr Modine Space Heater
- One 0.05-MMBtu/hr Town Border Station Space Heater
- One 0.018 MMBtu/hr Bruest Catalytic Radiant Space Heater
- Fugitive VOC emissions from valves, flanges, open-ended lines, and pump seals

B. Source Description

The facility has two primary purposes. The first is to pump the field gas up to the required pressure in the natural gas transmission system. Compression of the gas is accomplished using the natural gas fired compressors. Various building and process heaters provide heat to the various station facilities and processes.

The second purpose of the facility is to "dry" the gas as it is being processed. The gas contains moisture, which must be removed from the system prior to being sent into the transmission system. This is accomplished with a dry desiccant dehydration system. This type of system uses two contact towers filled with a solid desiccant material. When wet gas flows through a contact tower, water is absorbed onto the surface of the desiccant material. Once the material in one tower has become saturated, the flow of gas is switched to the other tower. The regenerator heater is used to dry saturated material in one tower while wet gas flows through the other. After dehydration, some of the dry natural gas is used as fuel in the fuel burning equipment at the facility.

C. Permit History

Prior to January 24, 2003, WBI was exempt from the requirements to obtain a preconstruction permit because the facility was constructed and operating prior to November 23, 1968. However, on November 26, 2003, WBI submitted a complete MAQP application proposing to install a 1,680-Hp Waukesha Compressor Engine that has the potential to emit greater than 25 tons per year.

While the Baker Compressor Station is a major source as defined under the New Source Review (NSR) program, the installation of the 1,680-Hp Waukesha Compressor Engine did not trigger the NSR program because the Potential to Emit (PTE) of the 1,680-Hp Waukesha Compressor Engine is below the Prevention of Significant Deterioration (PSD) significant levels. On January 24, 2003, **MAQP #2954-00** became final.

On January 8, 2004, the Department of Environmental Quality – Air Resources Management Bureau (Department) received an administrative amendment request from WBI. WBI requested that the Department make emission offsets from the 1,680-Horsepower (Hp) Waukesha Compressor Engine a federally enforceable permit condition to allow WBI the flexibility to “swap” 1,680-Hp Waukesha compressor engines at the facility. The permit action incorporated WBI’s request into the permit. **MAQP #2954-01** replaced MAQP #2954-00.

On December 10, 2012, the Department received an Administrative Amendment (AA) request from WBI to change the official name of the company from Williston Basin Interstate Pipeline Company to WBI Energy Transmission, Inc. **MAQP #2954-02** replaced MAQP #2954-01.

On May 22, 2014, the Department received an MAQP application from WBI to replace engines EU006 and EU007 (two 330 brake-horsepower (bhp) Ingersoll-Rand) with a 2014 384 bhp Ajax DPC-2802 LE 2-stroke lean burn (2SLB) spark ignition reciprocating internal combustion engine (SI RICE) with an Oxidation Catalyst (OC) for an air pollution control device. In addition, this permit action updated the equipment list in the permit analysis to list all the miscellaneous tanks at the facility. Lastly, this permit action served to update the permit to reflect current permit language and rule references used by the Department. **MAQP #2954-03** replaced MAQP #2954-02.

D. Current Permit Action

On March 26, 2020, the Montana Department of Environmental Quality (Department) received an administrative amendment (AA) request from WBI to remove the three 540 horsepower Cooper engines from their MAQP. These engines were identified as EU001, EU008 and EU009, which represent the emitting unit numbers used to identify these

engines in Operating Permit (OP) #OP2954-07. The request also indicates that once these engines are removed from the MAQP, the facility will no longer be above major permitting thresholds and requests a revocation of #OP2954-07. The request also included some minor changes to insignificant emitting units listed in their MAQP. **MAQP #2954-04** replaces MAQP #2954-03.

E. Additional Information

Additional information, such as applicable rules and regulations, Best Available Control Technology (BACT)/Reasonably Available Control Technology (RACT) determinations, air quality impacts, and environmental assessments, is included in the analysis associated with each change to the permit.

II. Applicable Rules and Regulations

The following are partial explanations of some applicable rules and regulations that apply to the facility. The complete rules are stated in the Administrative Rules of Montana (ARM) and are available, upon request, from the Department. Upon request, the Department will provide references for location of complete copies of all applicable rules and regulations or copies where appropriate.

A. ARM 17.8, Subchapter 1 – General Provisions, including but not limited to:

1. ARM 17.8.101 Definitions. This rule includes a list of applicable definitions used in this chapter, unless indicated otherwise in a specific subchapter.
2. ARM 17.8.105 Testing Requirements. Any person or persons responsible for the emission of any air contaminant into the outdoor atmosphere shall, upon written request of the Department, provide the facilities and necessary equipment (including instruments and sensing devices) and shall conduct tests, emission or ambient, for such periods of time as may be necessary using methods approved by the Department.
3. ARM 17.8.106 Source Testing Protocol. The requirements of this rule apply to any emission source testing conducted by the Department, any source or other entity as required by any rule in this chapter, or any permit or order issued pursuant to this chapter, or the provisions of the Clean Air Act of Montana, 75-2-101, *et seq.*, Montana Code Annotated (MCA).

WBI shall comply with the requirements contained in the Montana Source Test Protocol and Procedures Manual, including, but not limited to, using the proper test methods and supplying the required reports. A copy of the Montana Source Test Protocol and Procedures Manual is available from the Department upon request.

4. ARM 17.8.110 Malfunctions. (2) The Department must be notified promptly, by telephone, whenever a malfunction occurs that can be expected to create emissions in excess of any applicable emission limitation or to continue for a period greater than 4 hours.
5. ARM 17.8.111 Circumvention. (1) No person shall cause or permit the installation or use of any device or any means that, without resulting in reduction of the total amount

of air contaminant emitted, conceals or dilutes an emission of air contaminant that would otherwise violate an air pollution control regulation. (2) No equipment that may produce emissions shall be operated or maintained in such a manner as to create a public nuisance.

B. ARM 17.8, Subchapter 2 – Ambient Air Quality, including, but not limited to the following:

1. ARM 17.8.204 Ambient Air Monitoring
2. ARM 17.8.210 Ambient Air Quality Standards for Sulfur Dioxide
3. ARM 17.8.211 Ambient Air Quality Standards for Nitrogen Dioxide
4. ARM 17.8.212 Ambient Air Quality Standards for Carbon Monoxide
5. ARM 17.8.213 Ambient Air Quality Standard for Ozone
6. ARM 17.8.214 Ambient Air Quality Standard for Hydrogen Sulfide
7. ARM 17.8.220 Ambient Air Quality Standard for Settled Particulate Matter
8. ARM 17.8.221 Ambient Air Quality Standard for Visibility
9. ARM 17.8.222 Ambient Air Quality Standard for Lead
10. ARM 17.8.223 Ambient Air Quality Standard for PM₁₀

WBI must maintain compliance with the applicable ambient air quality standards.

C. ARM 17.8, Subchapter 3 – Emission Standards, including, but not limited to:

1. ARM 17.8.304 Visible Air Contaminants. This rule requires that no person may cause or authorize emissions to be discharged into the outdoor atmosphere from any source installed after November 23, 1968, that exhibit an opacity of 20% or greater averaged over 6 consecutive minutes.
2. ARM 17.8.308 Particulate Matter, Airborne. (1) This rule requires an opacity limitation of 20% for all fugitive emission sources and that reasonable precautions are taken to control emissions of airborne particulate matter (PM). (2) Under this rule, WBI shall not cause or authorize the use of any street, road, or parking lot without taking reasonable precautions to control emissions of airborne PM.
3. ARM 17.8.309 Particulate Matter, Fuel Burning Equipment. This rule requires that no person shall cause, allow, or permit to be discharged into the atmosphere PM caused by the combustion of fuel in excess of the amount determined by this rule.
4. ARM 17.8.310 Particulate Matter, Industrial Process. This rule requires that no person shall cause, allow, or permit to be discharged into the atmosphere PM in excess of the amount set forth in this rule.
5. ARM 17.8.322 Sulfur Oxide Emissions--Sulfur in Fuel. (4) Commencing July 1, 1972, no person shall burn liquid or solid fuels containing sulfur in excess of 1 pound of sulfur per million Btu fired. (5) Commencing July 1, 1971, no person shall burn any gaseous fuel containing sulfur compounds in excess of 50 grains per 100 cubic feet of gaseous fuel, calculated as hydrogen sulfide at standard conditions. WBI will burn pipeline-quality natural gas in their compressor engines, which will meet this limitation.

5. ARM 17.8.324 Hydrocarbon Emissions--Petroleum Products. (3) No person shall load or permit the loading of gasoline into any stationary tank with a capacity of 250 gallons or more from any tank truck or trailer, except through a permanent submerged fill pipe, unless such tank is equipped with a vapor loss control device as described in (1) of this rule.
6. ARM 17.8.340 Standard of Performance for New Stationary Sources and Emission Guidelines for Existing Sources. This rule incorporates, by reference, 40 CFR 60, Standards of Performance for New Stationary Sources (NSPS).
 - a. 40 CFR 60, Subpart A – General Provisions apply to all equipment or facilities subject to an NSPS Subpart as listed below.
 - b. 40 CFR 60, Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines. The Baker Compressor Station is subject to this subpart as the 2014 384-Bhp Ajax SI RICE was manufactured and installed after the applicability date of July 1, 2007 and is less than 500 Bhp as outlined in the subpart.
7. ARM 17.8.342 Emission Standards for Hazardous Air Pollutants for Source Categories. A major Hazardous Air Pollutant (HAP) source, as defined and applied in 40 CFR 63, shall comply with the requirements of 40 CFR 63, as applicable, including the following subparts:
 - a. 40 CFR 63, Subpart A – General Provisions apply to all equipment or facilities subject to an New Emissions Standard for Hazardous Air Pollutants (NESHAP) Subpart as listed below:
 - b. 40 CFR 63, Subpart HH National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities. Owners or operators of oil and natural gas production facilities, as defined and applied in 40 CFR Part 63, shall comply with the standards and provisions of 40 CFR Part 63, Subpart HH. Based on information submitted to the Department, which included a complete Hazardous Air Pollutant (HAP) emission inventory, the WBI facility is not a National Emission Standards for Hazardous Air Pollutants (NESHAP) affected source because the facility does not meet the definition of a major source of HAPs as defined in 40 CFR Part 63, Subpart HH and does not operate a triethylene glycol dehydrator (TEG) which would be the only affected source under the area source provisions of this regulation.
 - c. 40 CFR 63, Subpart HHH National Emission Standards for Hazardous Air Pollutants From Natural Gas Transmission and Storage Facilities. Owners or operators of natural gas transmission or storage facilities, as defined and applied in 40 CFR Part 63, shall comply with the standards and provisions of 40 CFR Part 63, Subpart HHH. Based on information submitted to the Department, which included a complete HAP emission inventory, the WBI facility is not a NESHAP affected source because the facility does not meet the definition of a major source of HAPs as defined in 40 CFR Part 63, Subpart HHH.

- d. 40 CFR 63, Subpart ZZZZ – National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE). An owner or operator of a stationary RICE at a major or area source of HAP emissions is subject to this subpart, except if the stationary RICE is being tested at a stationary RICE test cell/stand. Therefore, WBI is subject to this subpart.
- D. ARM 17.8, Subchapter 4 – Stack Height and Dispersion Techniques, including, but not limited to:
1. ARM 17.8.401 Definitions. This rule includes a list of definitions used in this chapter, unless indicated otherwise in a specific subchapter.
 2. ARM 17.8.402 Requirements. WBI must demonstrate compliance with the ambient air quality standards with a stack height that does not exceed Good Engineering Practices (GEP).
- E. ARM 17.8, Subchapter 5 – Air Quality Permit Application, Operation and Open Burning Fees, including, but not limited to:
1. ARM 17.8.504 Air Quality Permit Application Fees. This rule requires that an applicant submit an air quality permit application fee concurrent with the submittal of an air quality permit application. A permit application is incomplete until the proper application fee is paid to the Department. As this is an administrative amendment, no fee was required.
 2. ARM 17.8.505 Air Quality Operation Fees. An annual air quality operation fee must, as a condition of continued operation, be submitted to the Department by each source of air contaminants holding an air quality permit (excluding an open burning permit) issued by the Department. The air quality operation fee is based on the actual or estimated actual amount of air pollutants emitted during the previous calendar year.

An air quality operation fee is separate and distinct from an air quality permit application fee. The annual assessment and collection of the air quality operation fee, described above, shall take place on a calendar-year basis. The Department may insert into any final permit issued after the effective date of these rules, such conditions as may be necessary to require the payment of an air quality operation fee on a calendar-year basis, including provisions that prorate the required fee amount.
- F. ARM 17.8, Subchapter 7 – Permit, Construction and Operation of Air Contaminant Sources, including, but not limited to:
1. ARM 17.8.740 Definitions. This rule is a list of applicable definitions used in this chapter, unless indicated otherwise in a specific subchapter.
 2. ARM 17.8.743 Montana Air Quality Permits--When Required. This rule requires a facility to obtain an air quality permit or permit modification if they construct, modify or use any air contaminant sources that have the potential to emit (PTE) greater than 25 tons per year of any pollutant. WBI has the PTE more than 25 tons per year of Oxides of Nitrogen (NO_x), and Carbon Monoxide (CO) therefore, an air quality permit is required.

3. ARM 17.8.744 Montana Air Quality Permits--General Exclusions. This rule identifies the activities that are not subject to the Montana Air Quality Permit (MAQP) program.
4. ARM 17.8.745 Montana Air Quality Permits--Exclusion for De Minimis Changes. This rule identifies the de minimis changes at permitted facilities that are not subject to the MAQP program.
5. ARM 17.8.748 New or Modified Emitting Units--Permit Application Requirements. This rule requires that a permit application be submitted prior to installation, modification, or use of a source. A permit application was not required for the current permit action because the permit change is considered an administrative permit change. (7) This rule requires that the applicant notify the public by means of legal publication in a newspaper of general circulation in the area affected by the application for a permit.

An affidavit of publication of public notice was not required for the current permit action because the permit change is considered an administrative permit change.

6. ARM 17.8.749 Conditions for Issuance or Denial of Permit. This rule requires that the permits issued by the Department must authorize the construction and operation of the facility or emitting unit subject to the conditions in the permit and the requirements of this subchapter. This rule also requires that the permit must contain any conditions necessary to assure compliance with the Federal Clean Air Act (FCAA), the Clean Air Act of Montana, and rules adopted under those acts.
7. ARM 17.8.752 Emission Control Requirements. This rule requires a source to install the maximum air pollution control capability that is technically practicable and economically feasible, except that Best Available Control Technology (BACT) shall be utilized. The required BACT analysis is included in Section III of this permit analysis.
8. ARM 17.8.755 Inspection of Permit. This rule requires that air quality permits shall be made available for inspection by the Department at the location of the source.
9. ARM 17.8.756 Compliance with Other Requirements. This rule states that nothing in the permit shall be construed as relieving WBI of the responsibility for complying with any applicable federal or Montana statute, rule, or standard, except as specifically provided in ARM 17.8.740, *et seq.*
10. ARM 17.8.759 Review of Permit Applications. This rule describes the Department's responsibilities for processing permit applications and making permit decisions on those permit applications that do not require the preparation of an environmental impact statement.
11. ARM 17.8.762 Duration of Permit. An air quality permit shall be valid until revoked or modified, as provided in this subchapter, except that a permit issued prior to construction of a new or altered source may contain a condition providing that the permit will expire unless construction is commenced within the time specified in the permit, which in no event may be less than 1 year after the permit is issued.

12. ARM 17.8.763 Revocation of Permit. An air quality permit may be revoked upon written request of the permittee, or for violations of any requirement of the Clean Air Act of Montana, rules adopted under the Clean Air Act of Montana, the FCAA, rules adopted under the FCAA, or any applicable requirement contained in the Montana State Implementation Plan (SIP).
13. ARM 17.8.764 Administrative Amendment to Permit. An air quality permit may be amended for changes in any applicable rules and standards adopted by the Board of Environmental Review (Board) or changed conditions of operation at a source or stack that does not result in an increase of emissions as a result of those changed conditions. The owner or operator of a facility may not increase the facility's emissions beyond permit limits unless the increase meets the criteria in ARM 17.8.745 for a de minimis change not requiring a permit, or unless the owner or operator applies for and receives another permit in accordance with ARM 17.8.748, ARM 17.8.749, ARM 17.8.752, ARM 17.8.755, and ARM 17.8.756, and with all applicable requirements in ARM Title 17, Chapter 8, Subchapters 8, 9, and 10.
14. ARM 17.8.765 Transfer of Permit. This rule states that an air quality permit may be transferred from one person to another if written notice of Intent to Transfer, including the names of the transferor and the transferee, is sent to the Department.

G. ARM 17.8, Subchapter 8 – Prevention of Significant Deterioration of Air Quality, including, but not limited to:

1. ARM 17.8.801 Definitions. This rule is a list of applicable definitions used in this subchapter.
2. ARM 17.8.818 Review of Major Stationary Sources and Major Modifications--Source Applicability and Exemptions. The requirements contained in ARM 17.8.819 through ARM 17.8.827 shall apply to any major stationary source and any major modification, with respect to each pollutant subject to regulation under the FCAA that it would emit, except as this subchapter would otherwise allow.

With the removal of the three 540 horsepower Cooper Bessemer engines, NO_x and CO emissions are now less than major source thresholds; therefore, the facility is not major.

H. ARM 17.8, Subchapter 12 – Operating Permit Program Applicability, including, but not limited to:

1. ARM 17.8.1201 Definitions. (23) Major Source under Section 7412 of the FCAA is defined as any source having:
 - a. PTE > 100 tons/year of any pollutant;
 - b. PTE > 10 tons/year of any one HAP, PTE > 25 tons/year of a combination of all HAPs, or lesser quantity as the Department may establish by rule; or
 - c. PTE > 70 tons/year of PM with an Aerodynamic Diameter of 10 Microns or Less (PM₁₀) in a serious PM₁₀ nonattainment area.

2. ARM 17.8.1204 Air Quality Operating Permit Program. (1) Title V of the FCAA amendments of 1990 requires that all sources, as defined in ARM 17.8.1204(1), obtain a Title V Operating Permit. In reviewing and issuing MAQP #2954-04 for WBI, the following conclusions were made:
 - a. The facility's PTE is less than 100 tons/year for NO_x and CO.
 - b. The facility's PTE is less than 10 tons/year for any one HAP and less than 25 tons/year for all HAPs.
 - c. This source is not located in a serious PM₁₀ nonattainment area.
 - d. This facility is subject to a current NSPS (40 CFR 60, Subpart JJJJ).
 - e. This facility is subject to a current NESHAP (40 CFR 63, Subpart ZZZZ).
 - f. This source is not a Title IV affected source, nor a solid waste combustion unit.
 - g. This source is not an EPA designated Title V source.

Based on these facts, the Department determined that WBI is no longer a "major source" of emissions with the removal of the three 540 horsepower Cooper Bessemer engines, as defined under Title V. However, if minor sources subject to NSPS are required to obtain a Title V Operating Permit, WBI will be required to obtain a Title V Operating Permit.

III. BACT Determination

A BACT determination is required for each new or modified source. WBI shall install on the new or modified source the maximum air pollution control capability which is technically practicable and economically feasible, except that BACT shall be utilized.

A BACT determination was not required for the current permit action because the permit change is considered an administrative permit change.

III. Emission Inventory

| Emitting Unit # | Equipment Description | Emissions (tons/year) | | | | | | | |
|-----------------|--|-----------------------|------------------|-------------------|-----------------|-----------------|-------|-------|-------|
| | | PM | PM ₁₀ | PM _{2.5} | SO _x | NO _x | CO | VOC | HAP |
| EU010 | 2SLB 384 hp Ajax DPC-2902 LE | 0.64 | 0.51 | 0.51 | 0.002 | 3.71 | 7.42 | 2.60 | 1.05 |
| EU011 | 4SRB 1680 HP Waukesha 7044 | 1.11 | 0.55 | 0.55 | 0.034 | 32.46 | 48.66 | 16.21 | 1.85 |
| IEU1 | 3.00 MMBtu/hr Direct-fired Dehy Regen Heater | 0.10 | 0.02 | 0.02 | 0.008 | 1.29 | 1.08 | 0.071 | 0.024 |

| Emitting Unit # | Equipment Description | Emissions (tons/year) | | | | | | | |
|-----------------|---|-----------------------|------------------|-------------------|-----------------|-----------------|-------|-------|-------|
| | | PM | PM ₁₀ | PM _{2.5} | SO _x | NO _x | CO | VOC | HAP |
| IEU2 | 2.51 MMBtu/hr Misc. Combined Heaters | 0.08 | 0.02 | 0.02 | 0.01 | 1.08 | 0.91 | 0.059 | 0.020 |
| FUG | Fugitive Component Emissions | - | - | - | - | - | - | 0.13 | - |
| Total Emissions | | 1.98 | 1.11 | 0.87 | 0.06 | 39.12 | 58.56 | 19.09 | 2.96 |

EU010

2SLB 384 hp Ajax DPC-2902 LE

Horsepower: 384 HP
Hours of Operation: 8760 hr/yr
Brake Specific Fuel Consumption: 7873 Btu/bhp-hr

PM Total Emissions:

Emissions Factor: 0.04831 lb/MMBtu *AP-42 Chapter 3 Table 3.2-1 7/00*
Calculations: (0.04831 lb/MMBtu) * (7873 Btu/bhp-hr) * (384 hp) * (10-6 MMBtu/Btu) **0.146 lb/hr**
Calculations: (0.146 lb/hr) * (8760 hr/yr) * (0.0005 tons/lb) **0.640 ton/yr**

PM 10/2.5 (Filterable) Emissions:

Emissions Factor: 0.0384 lb/MMBtu *AP-42 Chapter 3 Table 3.2-1 7/00*
Calculations: (0.0384 lb/MMBtu) * (7873 Btu/bhp-hr) * (384 hp) * (10-6 MMBtu/Btu) **0.116 lb/hr**
Calculations: (0.116 lb/hr) * (8760 hr/yr) * (0.0005 tons/lb) **0.508 ton/yr**

PM Cond. Emissions:

Emissions Factor: 0.00991 lb/MMBtu *AP-42 Chapter 3 Table 3.2-1 7/00*
Calculations: (0.00991 lb/MMBtu) * (7873 Btu/bhp-hr) * (384 hp) * (10-6 MMBtu/Btu) **0.030 lb/hr**
Calculations: (0.0300 lb/hr) * (8760 hr/yr) * (0.0005 tons/lb) **0.131 ton/yr**

SO₂ Emissions:

Emissions Factor: 0.000588 lb/MMBtu *AP-42 Chapter 3 Table 3.2-1 7/00*
Calculations: (0.000588 lb/MMBtu) * (7873 Btu/bhp-hr) * (384 hp) * (10-6 MMBtu/Btu) **0.002 lb/hr**
Calculations: (0.0018 lb/hr) * (8760 hr/yr) * (0.0005 tons/lb) **0.008 ton/yr**

NO_x Emissions:

Emissions Factor: 1.0 g/bhp-hr *Permit Limit (Permit No. OP2954-03)*
Calculations: (1.0 g/bhp-hr) * (384 hp) * (0.002205 lb/gram) **0.847 lb/hr**
Calculations: (0.847 lb/hr) * (8760 hr/yr) * (0.0005 tons/lb) **3.71 ton/yr**

CO Emissions:

Emissions Factor: 2.0 g/bhp-hr *Permit Limit (Permit No. OP2954-03)*
Calculations: (2.0 g/bhp-hr) * (384 hp) * (0.002205 lb/gram) **1.69 lb/hr**

| | | | |
|-------------------|--|--------------|---------------|
| Calculations: | | 7.42 | ton/yr |
| | $(1.69 \text{ lb/hr}) * (8760 \text{ hr/yr}) * (0.0005 \text{ tons/lb})$ | | |
| VOC Emissions: | | | |
| Emissions Factor: | 0.7 g/bhp-hr <i>Permit Limit (Permit No. OP2954-03)</i> | | |
| Calculations: | $(0.7\text{g/bhp-hr}) * (384 \text{ hp}) * (0.002205 \text{ lb/gram})$ | 0.593 | lb/hr |
| Calculations: | $(0.593 \text{ lb/hr}) * (8760 \text{ hr/yr}) * (0.0005 \text{ tons/lb})$ | 2.60 | ton/yr |
| Formaldehyde | | | |
| Emissions Factor: | 0.0552 lb/MMBtu <i>AP-42 Chapter 3 Table 3.2-1 7/00</i> | | |
| Calculations: | $(0.0552 \text{ lb/MMBtu}) * (7873 \text{ Btu/bhp-hr}) * (384 \text{ hp}) * (10\text{-}6 \text{ MMBtu/Btu})$ | 0.167 | lb/hr |
| Calculations: | $(0.167 \text{ lb/hr}) * (8760 \text{ hr/yr}) * (0.0005 \text{ tons/lb})$ | 0.731 | ton/yr |
| Total HAPs | | | |
| Emissions Factor: | 0.079478 lb/MMBtu <i>AP-42 Chapter 3 Table 3.2-1 7/00</i> | | |
| Calculations: | $(0.079478 \text{ lb/MMBtu}) * (7873 \text{ Btu/bhp-hr}) * (384 \text{ hp}) * (10\text{-}6 \text{ MMBtu/Btu})$ | 0.240 | lb/hr |
| Calculations: | $(0.240 \text{ lb/hr}) * (8760 \text{ hr/yr}) * (0.0005 \text{ tons/lb})$ | 1.05 | ton/yr |

EU011

4SRB 1680 HP Waukesha 7044

| | |
|----------------------------------|-----------------|
| Horsepower: | 1680 HP |
| Hours of Operation: | 8760 hr/yr |
| Brake Specific Fuel Consumption: | 7800 Btu/bhp-hr |

| | | | |
|---------------------|--|--------------|---------------|
| PM Total Emissions: | | | |
| Emissions Factor: | 0.01941 lb/MMBtu <i>AP-42 Chapter 3 Table 3.2-3 7/00</i> | | |
| Calculations: | $(0.01941 \text{ lb/MMBtu}) * (7800 \text{ Btu/bhp-hr}) * (1680 \text{ hp}) * (10\text{-}6 \text{ MMBtu/Btu})$ | 0.254 | lb/hr |
| Calculations: | $(0.254 \text{ lb/hr}) * (8760 \text{ hr/yr}) * (0.0005 \text{ tons/lb})$ | 1.11 | ton/yr |

| | | | |
|-----------------------------------|---|--------------|---------------|
| PM 10/2.5 (Filterable) Emissions: | | | |
| Emissions Factor: | 0.0095 lb/MMBtu <i>AP-42 Chapter 3 Table 3.2-3 7/00</i> | | |
| Calculations: | $(0.0095 \text{ lb/MMBtu}) * (7800 \text{ Btu/bhp-hr}) * (1680 \text{ hp}) * (10\text{-}6 \text{ MMBtu/Btu})$ | 0.124 | lb/hr |
| Calculations: | $(0.124 \text{ lb/hr}) * (8760 \text{ hr/yr}) * (0.0005 \text{ tons/lb})$ | 0.545 | ton/yr |

| | | | |
|---------------------|--|--------------|---------------|
| PM Cond. Emissions: | | | |
| Emissions Factor: | 0.00991 lb/MMBtu <i>AP-42 Chapter 3 Table 3.2-3 7/00</i> | | |
| Calculations: | $(0.00991 \text{ lb/MMBtu}) * (7800 \text{ Btu/bhp-hr}) * (1680 \text{ hp}) * (10\text{-}6 \text{ MMBtu/Btu})$ | 0.130 | lb/hr |
| Calculations: | $(0.130 \text{ lb/hr}) * (8760 \text{ hr/yr}) * (0.0005 \text{ tons/lb})$ | 0.569 | ton/yr |

| | | | |
|-------------------|---|--------------|---------------|
| SO2 Emissions: | | | |
| Emissions Factor: | 0.000588 lb/MMBtu <i>AP-42 Chapter 3 Table 3.2-3 7/00</i> | | |
| Calculations: | $(0.000588 \text{ lb/MMBtu}) * (7800 \text{ Btu/bhp-hr}) * (1680 \text{ hp}) * (10\text{-}6 \text{ MMBtu/Btu})$ | 0.008 | lb/hr |
| Calculations: | $(0.0077 \text{ lb/hr}) * (8760 \text{ hr/yr}) * (0.0005 \text{ tons/lb})$ | 0.034 | ton/yr |

| | | | |
|----------------|--|--------------|---------------|
| NOX Emissions: | | | |
| Calculations: | 7.41 lb/hr <i>Permit Limit (Permit No. OP2954-03)</i> | | |
| Calculations: | $(7.41 \text{ lb/hr}) * (8760 \text{ hr/yr}) * (0.0005 \text{ tons/lb})$ | 32.46 | ton/yr |

CO Emissions:
 Calculations: 11.11 lb/hr *Permit Limit (Permit No. OP2954-03)*
 Calculations: (11.11 lb/hr) * (8760 hr/yr) * (0.0005 tons/lb) **48.66 ton/yr**

VOC Emissions:
 Calculations: 3.70 lb/hr *Permit Limit (Permit No. OP2954-03)*
 Calculations: (3.70 lb/hr) * (8760 hr/yr) * (0.0005 tons/lb) **16.21 ton/yr**

Formaldehyde
 Emissions Factor: 0.0552 lb/MMBtu *AP-42 Chapter 3 Table 3.2-1 7/00*
 Calculations: (0.01941 lb/MMBtu) * (7800 Btu/bhp-hr) * (1680 hp) * (10-6 MMBtu/Btu) **0.269 lb/hr**
 Calculations: (0.167 lb/hr) * (8760 hr/yr) * (0.0005 tons/lb) **1.18 ton/yr**

Total HAPs
 Emissions Factor: 0.03230 lb/MMBtu *AP-42 Chapter 3 Table 3.2-1 7/00*
 Calculations: (0.03230 lb/MMBtu) * (7800 Btu/bhp-hr) * (1680 hp) * (10-6 MMBtu/Btu) **0.423 lb/hr**
 Calculations: (0.314 lb/hr) * (8760 hr/yr) * (0.0005 tons/lb) **1.85 ton/yr**

Misc. 1

3.00 MMBtu/hr Direct-fired Dehy Regen Heater

Fuel Heat Input: 3.00 MMBtu/hr
 Hours of Operation: 8760 hr/yr
 Fuel Heating Value: 1020 Btu/Scf or 0.00098 MMscf/MMBtu

PM Total Emissions:
 Emissions Factor: 7.6 lb/MMScf *AP-42 Chapter 1 Table 1.4-2 (7/98)*
 Calculations: (7.6 lb/MMScf) * (3.00 MMBtu/hr) * (0.00098 MMScf/MMBtu) **0.022 lb/hr**
 Calculations: (0.022 lb/hr) * (8760 hr/yr) * (0.0005 tons/lb) **0.098 ton/yr**

PM 10/2.5 (Filterable) Emissions:
 Emissions Factor: 1.9 lb/MMScf *AP-42 Chapter 1 Table 1.4-2 (7/98)*
 Calculations: (1.9 lb/MMScf) * (3.00 MMBtu/hr) * (0.00098 MMScf/MMBtu) **0.006 lb/hr**
 Calculations: (0.006 lb/hr) * (8760 hr/yr) * (0.0005 tons/lb) **0.024 ton/yr**

PM Cond. Emissions:
 Emissions Factor: 5.7 lb/MMScf *AP-42 Chapter 1 Table 1.4-2 (7/98)*
 Calculations: (5.7 lb/MMScf) * (3.00 MMBtu/hr) * (0.00098 MMScf/MMBtu) **0.017 lb/hr**
 Calculations: (0.017 lb/hr) * (8760 hr/yr) * (0.0005 tons/lb) **0.073 ton/yr**

SO2 Emissions:
 Emissions Factor: 0.6 lb/MMScf *AP-42 Chapter 1 Table 1.4-2 (7/98)*
 Calculations: (0.6 lb/MMScf) * (3.00 MMBtu/hr) * (0.00098 MMScf/MMBtu) **0.002 lb/hr**
 Calculations: (0.0018 lb/hr) * (8760 hr/yr) * (0.0005 tons/lb) **0.008 ton/yr**

NOX Emissions:
 Emissions Factor: 100 lb/MMScf *AP-42 Chapter 1 Table 1.4-2 (7/98)*
 Calculations: (100 lb/MMScf) * (3.00 MMBtu/hr) * (0.00098 MMScf/MMBtu) **0.294 lb/hr**

Calculations: $(0.294 \text{ lb/hr}) * (8760 \text{ hr/yr}) * (0.0005 \text{ tons/lb})$ **1.29 ton/yr**

CO Emissions:

Emissions Factor: 84 lb/MMScf *AP-42 Chapter 1 Table 1.4-2 (7/98)*

Calculations: $(84 \text{ lb/MMScf}) * (3.00 \text{ MMBtu/hr}) * (0.00098 \text{ MMScf/MMBtu})$ **0.247 lb/hr**

Calculations: $(0.25 \text{ lb/hr}) * (8760 \text{ hr/yr}) * (0.0005 \text{ tons/lb})$ **1.08 ton/yr**

VOC Emissions:

Emissions Factor: 5.5 lb/MMScf *AP-42 Chapter 1 Table 1.4-2 (7/98)*

Calculations: $(5.5 \text{ lb/MMScf}) * (3.00 \text{ MMBtu/hr}) * (0.00098 \text{ MMScf/MMBtu})$ **0.016 lb/hr**

Calculations: $(0.016 \text{ lb/hr}) * (8760 \text{ hr/yr}) * (0.0005 \text{ tons/lb})$ **0.071 ton/yr**

Misc. 2

2.51 MMBtu/hr Misc. Combined Heaters

Fuel Heat Input: 2.27 MMBtu/hr

Hours of Operation: 8760 hr/yr

Fuel Heating Value: 1020 Btu/Scf or 0.00098 MMscf/MMBtu

PM Total Emissions:

Emissions Factor: 7.6 lb/MMScf *AP-42 Chapter 1 Table 1.4-2 (7/98)*

Calculations: $(7.6 \text{ lb/MMScf}) * (2.51 \text{ MMBtu/hr}) * (0.00098 \text{ MMScf/MMBtu})$ **0.019 lb/hr**

Calculations: $(0.019 \text{ lb/hr}) * (8760 \text{ hr/yr}) * (0.0005 \text{ tons/lb})$ **0.082 ton/yr**

PM 10/2.5 (Filterable) Emissions:

Emissions Factor: 1.9 lb/MMScf

Calculations: $(1.9 \text{ lb/MMScf}) * (2.51 \text{ MMBtu/hr}) * (0.00098 \text{ MMScf/MMBtu})$ **0.005 lb/hr**

Calculations: $(0.005 \text{ lb/hr}) * (8760 \text{ hr/yr}) * (0.0005 \text{ tons/lb})$ **0.020 ton/yr**

PM Cond. Emissions:

Emissions Factor: 5.7 lb/MMScf

Calculations: $(5.7 \text{ lb/MMScf}) * (2.27 \text{ MMBtu/hr}) * (0.00098 \text{ MMScf/MMBtu})$ **0.014 lb/hr**

Calculations: $(0.014 \text{ lb/hr}) * (8760 \text{ hr/yr}) * (0.0005 \text{ tons/lb})$ **0.061 ton/yr**

SO2 Emissions:

Emissions Factor: 0.6 lb/MMScf

Calculations: $(0.6 \text{ lb/MMScf}) * (2.51 \text{ MMBtu/hr}) * (0.00098 \text{ MMScf/MMBtu})$ **0.001 lb/hr**

Calculations: $(0.0015 \text{ lb/hr}) * (8760 \text{ hr/yr}) * (0.0005 \text{ tons/lb})$ **0.006 ton/yr**

NOX Emissions:

Emissions Factor: 100 lb/MMScf

Calculations: $(100 \text{ lb/MMScf}) * (2.51 \text{ MMBtu/hr}) * (0.00098 \text{ MMScf/MMBtu})$ **0.246 lb/hr**

Calculations: $(0.246 \text{ lb/hr}) * (8760 \text{ hr/yr}) * (0.0005 \text{ tons/lb})$ **1.08 ton/yr**

CO Emissions:

Emissions Factor: 84 lb/MMScf

Calculations: $(84 \text{ lb/MMScf}) * (2.51 \text{ MMBtu/hr}) * (0.00098 \text{ MMScf/MMBtu})$ **0.207 lb/hr**

Calculations: $(0.207 \text{ lb/hr}) * (8760 \text{ hr/yr}) * (0.0005 \text{ tons/lb})$ **0.905 ton/yr**

VOC Emissions:

Emissions Factor: 5.5 lb/MMScf
Calculations: $(5.5 \text{ lb/MMScf}) * (2.51 \text{ MMBtu/hr}) * (0.00098 \text{ MMScf/MMBtu})$ **0.014 lb/hr**
Calculations: $(0.014 \text{ lb/hr}) * (8760 \text{ hr/yr}) * (0.0005 \text{ tons/lb})$ **0.059 ton/yr**

Total HAPs

Emissions Factor: 1.88 lb/MMScf
Calculations: $(1.88 \text{ lb/MMScf}) * (2.51 \text{ MMBtu/hr}) * (0.00098 \text{ MMScf/MMBtu})$ **0.005 lb/hr**
Calculations: $(0.005 \text{ lb/hr}) * (8760 \text{ hr/yr}) * (0.0005 \text{ tons/lb})$ **0.020 ton/yr**

FUG

Fugitive Component Emissions

Component

Count 448 Connectors
 0 Flanges
 170 Valves
 8 Open-Ended Lines
 10 Pressure Relief Valves

Notes: Component counts estimated using 40 CFR Subpart W estimation method based on number of major equipment at the station

Fugitive VOCs

Emissions Factor: 0.0294 lb/hr
Calculations: $(0.0294 \text{ lb/hr}) * (8760 \text{ hr/yr}) * (0.0005 \text{ tons/lb})$ **0.13 tons/yr**

V. Existing Air Quality

The facility is located in the Southeast ¼ of the Southeast ¼ of Section 12, Township 7 North, Range 59 East in Fallon County, Montana. The air quality of this area is classified as either Better than National Standards or unclassifiable/attainment for the National Ambient Air Quality Standards (NAAQS) for criteria pollutants.

VI. Ambient Air Impact Analysis

The Department determined that there will be no significant impact from this permit action because this permitting action is considered an administrative action. Furthermore, the Department believes that the amount of emissions generated by this project will not exceed any set ambient standard.

VII. Taking or Damaging Implication Analysis

As required by 2-10-105, MCA, the Department conducted a private property taking and damaging assessment and determined there are no taking or damaging implications.

| 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) |

VIII. Environmental Assessment

This permitting action is considered an administrative action; therefore, an Environmental Assessment is not required.

Craig Henrikson 4/14/2020