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March 20, 2012

Tracy Hodik Century Companies, Inc. P.O. Box 579 Lewistown, MT 59457

Dear Ms. Hodik:

Montana Air Quality Permit #3368-01 is deemed final as of March 20, 2012, by the Department of Environmental Quality (Department). This permit is for a non-metallic mineral processing plant and associated equipment. 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,

Vickie Walsh

Vickie Walsh Air Permitting Program Supervisor Air Resources Management Bureau (406) 444-9741

VW:DCK Enclosure

Doug Kuenzli Environmental Science Specialist Air Resources Management Bureau (406) 444-4267

Montana Department of Environmental Quality Permitting and Compliance Division

Montana Air Quality Permit #3368-01

Century Companies, Inc. P.O. Box 579 Lewistown, MT 59457

March 20, 2012



MONTANA AIR QUALITY PERMIT

Issued To: Century Companies, Inc. P.O. Box 579 Lewistown, MT 59457 MAQP: #3368-01 Application Complete: 12/19/2011 Preliminary Determination Issued: 01/26/2012 Department Decision Issued: 03/02/2012 Permit Final: 03/20/2012 AFS #777-3368

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

- Section I: Permitted Facilities
 - A. Plant Location

Century operates a non-metallic mineral processing plant initially located in the Southeast ¼ of Section 17, Township 15 North, Range 18 East, in Fergus County, Montana. However, MAQP #3368-01 applies while operating at any location in Montana, except within those areas having a Montanan Department of Environmental Quality (Department) approved permitting program, those areas considered tribal lands, or those areas in or within 10 kilometers (km) of certain particulate matter with an aerodynamic diameter of 10 microns or less (PM₁₀) nonattainment areas. *A Missoula County air quality permit will be required for locations within Missoula County, Montana.* Century will be required to obtain an addendum to this air quality permit to operate at locations in or within 10 km of certain PM₁₀ nonattainment areas. A complete list of the permitted equipment is contained in Section I.A of the Permit Analysis.

B. Current Permit

The current permit action is a modification to allow an increase in the maximum rated design capacity of production equipment and the horsepower (hp) output of the dieselfired generator set. In addition to the proposed changes the current action, updates the emission inventory and rule references used by the Department.

- Section II: Conditions and Limitations
 - A. Emission Limitations
 - 1. All visible emissions from any Standards of Performance for New Stationary Source (NSPS) – affected crusher shall not exhibit an opacity in excess of the following averaged over a consecutive minutes (ARM 17.8.340 and 40 CFR Part 60, Subpart OOO):
 - For crushers that commence construction, modification, or reconstruction on or after April 22, 2008: 12% opacity
 - For crushers that commence construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008: 15 opacity
 - 2. All visible emissions from any other NSPS-affected equipment (such as screens and conveyors) shall not exhibit an opacity in excess of the following averaged over six consecutive minutes (ARM 17.8.340 and 40 CFR 60, Subpart OOO):

- For equipment that commence construction, modification, or reconstruction on or after April 22, 2008: 7% opacity
- For equipment that commence construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008: 10% opacity
- 3. All visible emissions from any non-NSPS affected equipment shall not exhibit an opacity of 20% or greater averaged over 6 consecutive minutes (ARM 17.8.304).
- 4. Water and water spray bars shall be available on site at all times and operated, as necessary, to maintain compliance with the opacity limitations in Sections II.A.1. II.A.2, and II.A.3 (ARM 17.8.749 and ARM 17.8.752).
- 5. Century 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).
- 6. Century 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 17.8.308).
- 7. Century shall not operate more than three (3) crushers at any given time and the total combined maximum rated design capacity of the crushers shall not exceed 1,800 tons per hour (TPH) (ARM 17.8.749).
- 8. Century shall not operate more than two (2) screens at any given time and the combined maximum rated design capacity of the screen shall not exceed 1,200 TPH (ARM 17.8.749).
- 9. Century shall not operate or have on site more than one (1) diesel-fired generator engine at any given time and the maximum rated design capacity of the generator shall not exceed 1,193 hp (ARM 17.8.1204).
- 10. Operation of the diesel-fired generator engine shall not exceed 4,320 hours during any rolling 12-month time period (ARM 17.8.1204).
- 11. If the permitted equipment is used in conjunction with any other equipment owned or operated by Century, at the same site, production shall be limited to correspond with an emission level that does not exceed 250 tons of emissions during any rolling 12-month time period. Any calculations used to establish production levels shall be approved by the Department (ARM 17.8.749).
- 12. Century shall comply with all applicable standards and limitations, and the reporting, recordkeeping, testing, and notification requirements contained in 40 Code of Federal Regulations (CFR) 60, Subpart OOO, *Standards of Performance for Nonmetallic Mineral Processing Plants* (ARM 17.8.340 and 40 CFR 60, Subpart OOO).
- 13. Century shall comply with all applicable standards and limitations, and the reporting, recordkeeping, and notification requirements contained in 40 CFR 60, Subpart IIII, *Standards of Performance for Stationary Compression Ignition*

Internal Engines and 40 CFR 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, for any applicable diesel engine (ARM 17.8.340; 40 CFR 60, Subpart IIII; ARM 17.8.342; and 40 CFR, Subpart ZZZZ).

- B. Testing Requirements
 - Within 60 days after achieving the maximum production rate, but no later than 180 days after initial startup, an Environmental Protection Agency (EPA) Method 9 opacity test and/or other methods and procedures, as specified in 40 CFR Part 60.675, must be performed on all NSPS-affected equipment to demonstrate compliance with the emissions limitations contained in Sections II.A.1 and II.A.2 (ARM 17.8.340, 40 CFR Part 60, Subpart A and Subpart OOO). Additional testing may be required by 40 CFR 60, Subpart OOO (ARM 17.8.340 and 40 CFR 60, Subpart OOO).
 - 2. All compliance source tests shall conform to the requirements of the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106).
 - 3. The Department may require further testing (ARM 17.8.105).
- C. Operational Reporting Requirements
 - 1. If this portable crushing/screening plant is moved to another location, an Intent to Transfer Form must be sent to the Department. In addition, a Public Notice Form for Change of Location must be published in a newspaper of general circulation in the area to which the transfer is to be made, at least 15 days prior to the move. The Intent to Transfer Form and the proof of publication (affidavit) of the Public Notice Form for Change of Location must be submitted to the Department prior to the move. These forms are available from the Department (ARM 17.8.749 and ARM 17.8.765).
 - 2. Century 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 most recent emission inventory report and sources identified 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 units as required by the Department. This information may be used for calculating operating fees, based on actual emissions from the facility, and/or to verify compliance with permit limitations (ARM 17.8.505).

3. Century 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 emission unit*, 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. 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).

- 4. Century shall maintain on-site records showing daily hours of operation and daily production rates for the last 12-months. All records compiled in accordance with this permit shall be maintained by Century as a permanent business record for at least 5 years following the date of the measurement, must be submitted to the Department upon request, and must be available at the plant site for inspection by the Department (ARM 17.8.749).
- 5. Century shall document, by month, the total hours of operation of the diesel engine/generator. By the 25th day of each month, Century shall calculate the hours of operation for the diesel engine/generator for the previous 12 months to verify compliance with the limitation in Section II.A.10. The information for each of the previous months shall be submitted along with the annual emission inventory (ARM 17.8.749).
- 6. Century shall annually certify that its emissions are less than those that would require the facility to obtain an air quality operating permit as require by ARM 17.8.1204(3)(b). The annual certification shall comply with the certification requirements of ARM 17.8.1207. The annual certification shall be submitted along with the annual emissions inventory information (ARM17.8.749 and ARM 17.8.1204).
- D. Notification

Century shall provide the Department with written notification of the actual start-up date of the equipment within 15 days after the actual start-up date (ARM 17.8.749).

Section III: General Conditions

- A. Inspection Century 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 Emission Monitoring Systems (CEMS)/Continuous Emission Rate Monitoring Systems CERMS) or observing any monitoring or testing, and otherwise conducting all necessary functions related to this permit.
- B. Waiver The permit and all the terms, conditions, and matters stated herein shall be deemed accepted if Century fails to appeal as indicated below.
- C. Compliance with Statutes and Regulations Nothing in this permit shall be construed as relieving Century 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 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 it's 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 of the air quality permit shall be made available for inspection by Department personnel at the location of the permitted source.
- G. Air Quality Operation Fees Pursuant to Section 75-2-220, MCA, failure to pay the annual operation fee by Portable Inc. 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).
- I. The Department may modify the conditions of this permit based on local conditions of any future site. These factors may include, but are not limited to, local terrain, meteorological conditions, proximity to residences, etc.
- J. Century shall comply with the conditions contained in this permit while operating at any location in Montana, except within those areas having a Department approved permitting program or areas considered tribal lands.

Montana Air Quality Permit (MAQP) Analysis Century Companies, Inc. MAQP #3368-01

I. Introduction/Process Description

Century Companies, Inc. (Century) owns and operates a non-metallic mineral processing plant with a maximum rated design capacity of 1,800 tons per hour (TPH) crushing production and 1,200 TPH screening production.

A. Permitted Equipment

The following list of permitted equipment is based on information provided within the application submitted by Century and is provided for reference. MAQP #3368-01 is written de minimis friendly, whereby operational flexibility is provided so that alternate equipment may be utilized as long as maximum capacities are not exceeded. See Section II of the MAQP for specific equipment limitations and/or conditions. Equipment permitted under this action consists of the following:

- 2012 Portable Grizzly Feeder [600 TPH]
- 2012 Nordberg-Metso C-100 Jaw Crusher [535 TPH]
- Primary Cone Crusher Package;
 → 2012 Nordberg-Metso HP200 Cone Crusher [275 TPH]
 → 2012 JCI 6x20 Deck Screen [600 TPH]
- Primary Cone Crusher Package;
 - \rightarrow 2012 Nordberg-Metso HP300 Cone Crusher [485 TPH]
 - \rightarrow 2012 JCI 6x20 Deck Screen [600 TPH]
- 2010 MTU Onsite Energy 750-XC6DT2 Generator Set with a 1,193 Horsepower (hp) Diesel Engine [Model# 12V 2000 G85TB]
- Associated material handling equipment; conveyors, stackers, etc.
- B. Source Description

Century proposes to use this crushing/screening plant and associated equipment to crush sand and gravel materials for use in various construction operations. For a typical operational setup, materials are loaded into the crushing/screening plant by a feeder, transferred by conveyor, and passed through the crushers. Materials are crushed by the crushers and sent to the screens. Materials are screened, separated, and sent to stockpile for sale and use in construction operations.

The designated home pit location for the facility is the Southeast ¹/₄ of Section 17, Township 15 North, Range 18 East, in Fergus County, Montana.

C. Permit History

Century was issued **MAQP #3368-00** on January 13, 2005, for the operation of a a portable crushing/screening facility consisting of two portable crushers (each crusher up to 185 tons per hour (TPH)), two 3-deck screens (each screen up to 185 TPH), a diesel generator (up to 545 Kilowatts (kW)), and associated equipment.

D. Current Permit Action

On December 19, 2011, the Department of Environmental Quality (Department) received a complete application for the modification of MAQP #3368-00 in order to replace existing equipment and to increase the permit allowable maximum rated design capacity

of production equipment and the power output of the diesel-fired generator set. In addition to the proposed changes the current action, updates the emission inventory and rule references used by the Department. **MAQP #3368-01** replaces MAQP #3368-00.

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 locations 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. <u>ARM 17.8.101 Definitions</u>. This rule is a list of applicable definitions used in this subchapter, unless indicated otherwise in a specific subchapter.
 - 2. <u>ARM 17.8.105 Testing Requirements</u>. 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. <u>ARM 17.8.106 Source Testing Protocol</u>. 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).

Century shall comply with all 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. <u>ARM 17.8.110 Malfunctions</u>. (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. <u>ARM 17.8.111 Circumvention</u>. (1) No person shall cause or permit the installation or use of any device or any means which, without resulting in reduction in 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 that a public nuisance is created.

- B. ARM 17.8, Subchapter 2 Ambient Air Quality, including, but not limited to:
 - 1. <u>ARM 17.8.204 Ambient Air Monitoring</u>
 - 2. <u>ARM 17.8.210 Ambient Air Quality Standards for Sulfur Dioxide (SO₂)</u>
 - 3. <u>ARM 17.8.211 Ambient Air Quality Standards for Nitrogen Dioxide (NO₂)</u>
 - 4. ARM 17.8.212 Ambient Air Quality Standards for Carbon Monoxide (CO)
 - 5. <u>ARM 17.8.213 Ambient Air Quality Standards for Ozone (O₃)</u>
 - 6. <u>ARM 17.8.220 Ambient Air Quality Standard for Settled Particulate Matter (PM)</u>
 - 7. <u>ARM 17.8.221 Ambient Air Quality Standard for Visibility</u>
 - 8. <u>ARM 17.8.223 Ambient Air Quality Standard for Particulate Matter with an</u> aerodynamic Dynamic Diameter of 10 Microns or Less(PM₁₀)

Century must comply with the applicable ambient air quality standards.

- C. ARM 17.8, Subchapter 3 Emission Standards, including, but not limited to:
 - 1. <u>ARM 17.8.304 Visible Air Contaminants</u>. 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.
 - <u>ARM 17.8.308 Particulate Matter, Airborne</u>. (1) This rule requires an opacity limitation of less than 20% for all fugitive emission sources and that reasonable precautions are taken to control emissions of airborne particulate matter (PM). (2) Under this rule, Century 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. <u>ARM 17.8.309 Particulate Matter, Fuel Burning Equipment</u>. This rule requires that no person shall cause or authorize to be discharged into the atmosphere PM caused by the combustion of fuel in excess of the amount determined by this rule.
 - 4. <u>ARM 17.8.310 Particulate Matter, Industrial Processes</u>. This rule requires that no person shall cause or allow to be discharged into the atmosphere PM in excess of the amount set forth in this rule.
 - 5. <u>ARM 17.8.322 Sulfur Oxide Emissions--Sulfur in Fuel</u>. This rule requires that no person shall burn liquid, solid, or gaseous fuel in excess of the amount set forth in this rule.
 - 6. <u>ARM 17.8.324 Hydrocarbon Emissions--Petroleum Products</u>. (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 truck or trailer is equipped with a vapor loss control device as described in (1) of this rule.
 - 7. <u>ARM 17.8.340 Standards of Performance for New Stationary Sources</u>. This rule incorporates, by reference, 40 Code of Federal Regulations (CFR) 60, Standards of Performance for New Stationary Sources (NSPS). Based on the information submitted by Century the portable crushing/screening operation and associated equipment are applicable to NSPS (40 CFR 60), as follows:
 - a. <u>40 CFR 60, Subpart A General Provisions</u> apply to all equipment or facilities subject to an NSPS Subpart as listed below:

- b. <u>40 CFR 60, Subpart OOO Standards of Performance for Nonmetallic Mineral Processing Plants</u>. In order for a crushing plant to be subject to this subpart, the facility must meet the definition of an affected facility and, the affected equipment must have been constructed, reconstructed, or modified after August 31, 1983. Based on the information submitted by Century, the portable crushing equipment to be used under MAQP #3368-01 is subject to this subpart as it meets the definition of an affected facility constructed after August 31, 1983.
- c. <u>40 CFR 60, Subpart IIII Standards of Performance for Stationary</u> <u>Compression Ignition Internal Combustion Engines (CI ICE)</u>. Owners and operators of stationary CI ICE that commence construction after July 11, 2005, where the stationary CI ICE are manufactured after April 1, 2006, and are not fire pump engines, and owners and operators of stationary CI ICE that modify or reconstruct their stationary CI ICE after July 11, 2005, are subject to this subpart. As the permit is written de minimis friendly, Century may substitute compression ignition internal combustion engine(s), therefore applicability to this subpart is dependent upon the date of construction and/or manufacture of the diesel engine utilized.
- 8. <u>ARM 17.8.342 Emission Standards for Hazardous Air Pollutants for Source</u> <u>Categories</u>. This rule incorporates, by reference, 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Source Categories. Based on the information submitted by Century the associated diesel engines are applicable to NESHAP (40 CFR 63), as follows:
 - a. <u>40 CFR 63, Subpart A General Provisions</u> apply to all equipment or facilities subject to a NESHAPs Subpart as listed below.
 - b. <u>40 CFR 63, Subpart ZZZZ National Emissions Standards for Hazardous Air Pollutants (HAPs) for Stationary Reciprocating Internal Combustion Engines (RICE)</u>. An owner or operator of a stationary reciprocating internal combustion engine (RICE) at a major or area source of HAP emissions is subject to this rule except if the stationary RICE is being tested at a stationary RICE test cell/stand. As Century is considered an area source of HAP emissions and operates RICE equipment the engine(s) are potentially subject to this subpart.
- D. ARM 17.8, Subchapter 5 Air Quality Permit Application, Operation, and Open Burning Fees, including, but not limited to:
 - 1. <u>ARM 17.8.504 Air Quality Permit Application Fees</u>. This rule requires that Century 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. Century submitted the required permit application fee for the current permit action.
 - 2. <u>ARM 17.8.505 Air Quality Operation Fees</u>. 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. This 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 pro-rate the required fee amount.

- E. ARM 17.8, Subchapter 7 Permit, Construction, and Operation of Air Contaminant Sources, including, but not limited to:
 - 1. <u>ARM 17.8.740 Definitions</u>. This rule is a list of applicable definitions used in this chapter, unless indicated otherwise in a specific subchapter.
 - 2. <u>ARM 17.8.743 Montana Air Quality Permits--When Required</u>. This rule requires a facility to obtain an air quality permit or permit alteration to construct, alter, or use any asphalt plant, crusher, or screen that has the Potential to Emit (PTE) greater than 15 tons per year (tpy) of any pollutant. Century has a PTE greater than 15 tpy of total PM, PM₁₀, oxides of nitrogen (NO_x), and CO; therefore, an air quality permit is required.
 - 3. <u>ARM 17.8.744 Montana Air Quality Permits--General Exclusions</u>. This rule identifies the activities that are not subject to the Montana Air Quality Permit Program.
 - 4. <u>ARM 17.8.745 Montana Air Quality Permits--Exclusion for De Minimis</u> <u>Changes</u>. This rule identifies the de minimis changes at permitted facilities that do not require a permit under the Montana Air Quality Permit Program.
 - 5. <u>ARM 17.8.748 New or Modified Emitting Units--Permit Application</u> <u>Requirements</u>. (1) This rule requires that a permit application be submitted prior to installation, modification, or use of a source. Century submitted the required permit application for the current permit action. (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. Century submitted an Affidavit of Publication of Public Notice for the December 10th, 2011 issue of the *Lewistown News-Argus*, a newspaper of general circulation in the City of Lewistown in Fergus County, as proof of compliance with the public notice requirements.
 - 6. <u>ARM 17.8.749 Conditions for Issuance or Denial of Permit</u>. 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. <u>ARM 17.8.752 Emission Control Requirements</u>. 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. <u>ARM 17.8.755 Inspection of Permit</u>. This rule requires that air quality permits shall be made available for inspection by the Department at the location of the source.
- 9. <u>ARM 17.8.756 Compliance with Other Requirements</u>. This rule states that nothing in the permit shall be construed as relieving Century 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. <u>ARM 17.8.759 Review of Permit Applications</u>. 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. <u>ARM 17.8.762 Duration of Permit</u>. 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. <u>ARM 17.8.763 Revocation of Permit</u>. An air quality permit may be revoked upon written request of Century, 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. <u>ARM 17.8.764 Administrative Amendment to Permit</u>. 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 do 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. <u>ARM 17.8.765 Transfer of Permit</u>. (1) This rule states that an air quality permit may be transferred from one location to another if the Department receives a complete notice of Intent to Transfer location, the facility will operate in the new location for less than 1 year, the facility will comply with the FCAA and the Clean Air Act of Montana, and the facility complies with other applicable rules. (2) 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.
- F. ARM 17.8, Subchapter 8 Prevention of Significant Deterioration of Air Quality, including, but not limited to:
 - 1. <u>ARM 17.8.801 Definitions</u>. This rule is a list of applicable definitions used in this subchapter.

2. <u>ARM 17.8.818 Review of Major Stationary Sources and Major Modifications--</u> <u>Source Applicability and Exemptions</u>. 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.

This facility is not a major stationary source because it is not a listed source and does not have a PTE greater than 250 tons per year (excluding fugitive emissions) of any air pollutant.

- G. ARM 17.8, Subchapter 12 Operating Permit Program Applicability, including, but not limited to:
 - 1. <u>ARM 17.8.1201 Definitions</u>. (23) Major Source under Section 7412 of the FCAA is defined as any stationary source having:
 - a. PTE > 100 tpy of any pollutant.
 - b. PTE > 10 tpy of any single Hazardous Air Pollutant (HAP), PTE > 25 tpy of a any combination of HAPs, or lesser quantity as the Department may establish by rule.
 - c. PTE > 70 tpy of PM_{10} in a serious PM_{10} nonattainment area.
 - <u>ARM 17.8.1204 Air Quality Operating Permit Program Applicability</u>. (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 Air Quality Permit #3368-01 for the Century facility, the following conclusions were made:
 - a. Century has requested federally-enforceable permit operating limits be established to maintain the facility's PTE below 100 tpy.
 - b. This facility's PTE is less than 10 tpy for any single HAP and less than 25 tpy of combined HAPs.
 - c. This source is not located in a serious PM_{10} nonattainment area.
 - d. This facility is potentially subject to a current NSPS (40 CFR 60, Subpart OOO and potentially Subpart IIII).
 - e. This facility is potentially subject to a current NESHAP standard (40 CFR 63, Subpart ZZZZ).
 - f. This source is not a Title IV affected source.
 - g. This source is not a solid waste combustion unit.
 - h. This source is not an EPA designated Title V source.

Century requested federally-enforceable permit limitations to remain a minor source of emissions with respect to Title V. Based on these limitations, the Department determined that this facility is not subject to the Title V Operating

Permit Program. However, in the event that the EPA makes minor sources that are subject to NSPS obtain a Title V Operating Permit, this source will be subject to the Title V Operating Permit Program.

- i. ARM 17.8.1204(3). The Department may exempt a source from the requirement to obtain an air quality operating permit by establishing federally enforceable limitations which limit that source's PTE.
 - i. In applying for an exemption under this section the owner or operator of the facility shall certify to the Department that the source's PTE does not require the source to obtain an air quality operating permit.
 - ii. Any source that obtains a federally enforceable limit on PTE shall annually certify that its actual emissions are less than those that would require the source to obtain an air quality operating permit.
- 3. <u>ARM 17.8.1207 Certification of Truth, Accuracy, and Completeness</u>. The compliance certification submittal required by ARM 17.8.1204(3) shall contain a certification of truth, accuracy, and completeness by a responsible official. This certification and any other certification required under this subchapter shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

III. BACT Determination

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

A BACT analysis accompanied the permit application submitted by Century, addressing available methods of controlling emissions from operation of the crushing and screening operation. The Department has reviewed these methods, as well as previous BACT determinations. The following control options have been reviewed by the Department in order to make the following BACT determinations.

The control options selected contain control equipment and control costs comparable to other recently permitted similar sources and are capable of achieving the appropriate emission standards.

A. Crushing/Screening Particulate Emissions

Two types of emission controls are readily available and used for dust suppression of fugitive emissions that result from the operation of crushing/screening equipment and associated activities. These two control methods are water and chemical dust suppressant. Chemical dust suppressant could be used on the area surrounding the crushing/screening operation, and for emissions from the crushing/screening operation itself. However, in view of the fact that water is more readily available, more cost effective, is equally effective as chemical dust suppressant, while presenting less potential environmental quality degradation, water has been identified as the most appropriate method of pollution control of particulate emissions. In addition, water suppression has been required of recently permitted similar sources. However, Century may use chemical dust suppressant to assist in controlling particulate emissions.

Century shall not cause or authorize to be discharged into the atmosphere from any NSPSaffected crusher any visible emissions that exhibit an opacity of 12% or greater averaged over 6 consecutive minutes for crushers that commenced construction, modification, or reconstruction on or after April 22, 2008. Additionally, Century shall not cause or authorize to be discharged into the atmosphere from any other associated NSPS-affected equipment, such as screens and material conveyors, any visible emissions that exhibit an opacity of 7% or greater averaged over 6 consecutive minutes for equipment that commences construction, modification, or reconstruction after April 22, 2008, and 10% for equipment that commences construction, modification, or reconstruction after August 31, 1983, but before April 22, 2008. Finally, Century shall not cause or authorize to be discharged into the atmosphere from any crusher, screen, or associated equipment, not subject to NSPS, any visible emissions that exhibit an opacity of 20% or greater averaged over 6 consecutive minutes.

Century is required to have water spray bars and water available on site (at all times) and to apply the water, as necessary, to maintain compliance with the opacity restrictions and reasonable precautions limitations. Century may also use chemical dust suppressant to maintain compliance with emissions limitations in Section II.A. of MAQP #3368-01. The Department determined that using water spray bars, water, and/or chemical dust suppressant to maintain compliance with the opacity requirements and reasonable precaution limitations constitutes BACT for the operation for the additional equipment.

The control options selected contain control equipment and control costs comparable to other recently permitted similar sources and are capable of achieving the appropriate emission standards.

B. Diesel Engines

Due to the limited amount of emissions produced by the diesel engines used in association with MAQP #3368-01 and the lack of cost effective add-on controls, add-on controls would be cost prohibitive. Therefore, the Department determined that proper operation and maintenance with no add-on controls would constitute BACT for the diesel engine.

In addition, any new diesel engine would likely be required to comply with the federal engine emission limitations including, for example, EPA Tier emission standards for non-road engines (40 CFR Part 1039), New Source Performance Standard emission limitations for stationary compression ignition engines (40 CFR 60, Subpart IIII), or National Emissions Standards for Hazardous Air Pollutant Sources for Reciprocating Internal Combustion Engines (40 CFR 63, Subpart ZZZZ). Therefore, the Department has determined that compliance with applicable federal standards and proper operation and maintenance of the engines constitutes BACT for these engines.

		Emissions Tons/Year [PTE]](a)(b)						
Emission Source	PM	PM 10	PM _{2.5}	PM_{cond}	CO	NOx	SO ₂	VOC
Portable Grizzly Feeder	5.78	1.94	0.13					
Jaw Crusher Package \rightarrow Crusher [600 TPH]	3.15	1.42	0.26					
Primary Cone Crusher Package \rightarrow Crusher [600 TPH]	3.15	1.42	0.26					
Primary Cone Crusher Package \rightarrow Deck Screen	5.78	1.94	0.13					
Secondary Cone Crusher Package \rightarrow Crusher [600 TPH]	3.15	1.42	0.26					
Secondary Cone Crusher Package \rightarrow Deck Screen	5.78	1.94	0.13					
Material Handling	64.35	30.18	5.07					

IV. Emission Inventory

Diesel Genset [1,193 hp]		5.67	5.67	1.00	0.14	17.21	79.88	5.28	6.48
Unpaved Roadways (Haul F	Roads)	4.20	1.16	0.12					
	TOTAL EMISSIONS ►	95.24	45.15	7.24	0.14	17.21	79.88	5.28	6.48

(a) Emission Inventory reflects enforceable limits on hours of operation for diesel-fired equipment engines to keep allowable NO_x emissions below the Title V threshold [100 tpy] and the SM Source threshold [80 tpy].

(b) PM emissions presented in the table represent the sum of the filterable and condensable particulate matter (CPM) fractions. All CPM is considered to be PM_{2.5}.

CO, carbon monoxide
MMBtu, million British Thermal Units
NO _x , oxides of nitrogen
PTE, Potential To Emit
PM, particulate matter
PM _{COND} , condensable particulate matter
PM ₁₀ , particulate matter with an aerodynamic diameter of 10 microns or less
PM _{2.5} , particulate matter with an aerodynamic diameter of 2.5 microns or less [Sum of condensable and filterable]
SO ₂ , sulfur dioxide
TPY, tons per year
VOC, volatile organic compounds

Portable Crushing & Screening Plant

Production Rate:		
Crushers (3)	1,800 tons/hour (Maximum)	15,768,000 tons/year (Maximum)
Deck Screen (2)	1,200 tons/hour (Maximum)	10,512,000 tons/year (Maximum)
Allowable Hours	of Operation: 8760 hours/year	

Material Processing:

Portable Grizzly Feeder [SCC 3-05-020-02]

Process Rate:	600 tons/hour
Operating Hours:	8760 hours/year

Particulate Emissions (controlled):

ΡM	Emissions:
1 141	

Emission Factor Calculations	0.0022 lbs/ton processed (0.0022 lbs/ton) * (600 tons/hr) = (1.32 lbs/hr) * (8760 hrs/yr) * (0.0005 to	[AP-42 Table 11.19.2-2, 8/04]	1.32 lbs/hr 5.78 TPY
PM ₁₀ Emissions:			
Emission Factor Calculations	0.00074 lbs/ton processed (0.00074 lbs/ton) * (600 tons/hr) = (0.444 lbs/hr) * (8760 hrs/yr) * (0.0005	[AP-42 Table 11.19.2-2, 8/04] tons/lb) =	0.44 lbs/hr 1.94 TPY
PM _{2.5} Emissions:			
Emission Factor Calculations	0.00005 lbs/ton processed (0.00005 lbs/ton) * (600 tons/hr) = (0.03 lbs/hr) * (8760 hrs/yr) * (0.0005 to	[AP-42 Table 11.19.2-2, 8/04]	0.03 lbs/hr 0.13 TPY

Jaw Crusher Package \rightarrow Crusher [SCC 3-05-020-01]

Process Rate:	600 tons/hour
Operating Hours:	8760 hours/year

Particulate Emissions (controlled):

PM Emissions:			
Emission Factor	0.0012 lbs/ton processed	[AP-42 Table 11.19.2-2, 8/04]	
Calculations	(0.0012 lbs/ton) * (600 tons/hr) =	-	0.72 lbs/hr
	(0.72 lbs/hr) * (8760 hrs/yr) * (0.0005 to	ons/lb) =	3.15 TPY
PM ₁₀ Emissions:			
Emission Factor	0.00054 lbs/ton processed	[AP-42 Table 11.19.2-2, 8/04]	
Calculations	(0.00054 lbs/ton) * (600 tons/hr) = (0.324 lbs/hr) * (8760 hrs/yr) * (0.0005 t	tone/lb) -	0.32 lbs/hr 1.42 TPY
	(0.524 IDS/III) $(0700 IIIS/YI)$ $(0.0003 II)$	(UIIS/ID) -	1.42 161
PM _{2.5} Emissions:			
Emission Factor	0.0001 lbs/ton processed	[AP-42 Table 11.19.2-2, 8/04]	0.06 lba/br
Calculations	(0.0001 lbs/ton) * (600 tons/hr) = (0.06 lbs/hr) * (8760 hrs/yr) * (0.0005 to	ons/lb) =	0.06 lbs/hr 0.26 TPY
	ahar Daakara 🛛 Omishar (SCC 2.05.020	0.001	
Primary Cone Cru Process Rate:	sher Package → Crusher [SCC 3-05-020 600 tons/hour	-02]	
Operating Hours:	8760 hours/year		
Particulate Emissi	ions (controlled):		
PM Emissions:			
Emission Factor	0.0012 lbs/ton processed	[AP-42 Table 11.19.2-2, 8/04]	
Calculations	(0.0012 lbs/ton) * (600 tons/hr) = (0.72 lbs/hr) * (8760 hrs/yr) * (0.0005 to	vnc/lb) -	0.72 lbs/hr 3.15 TPY
		(16/10) –	J.10 IFT
PM ₁₀ Emissions:			
Emission Factor	0.00054 lbs/ton processed	[AP-42 Table 11.19.2-2, 8/04]	0.20 lbs/br
Calculations	(0.00054 lbs/ton) * (600 tons/hr) = (0.324 lbs/hr) * (8760 hrs/yr) * (0.0005 t	tons/lb) =	0.32 lbs/hr 1.42 TPY
		,	
PM _{2.5} Emissions:	0.0004 // //		
Emission Factor Calculations	0.0001 lbs/ton processed (0.0001 lbs/ton) * (600 tons/hr) =	[AP-42 Table 11.19.2-2, 8/04]	0.06 lbs/hr
	(0.06 lbs/hr) * (8760 hrs/yr) * (0.0005 to	ons/lb) =	0.26 TPY
Secondary Cone (Crusher $ ightarrow$ Crusher [SCC 3-05-020-02]		
Process Rate:	600 tons/hour		
Operating Hours:	8760 hours/year		
Particulate Emissi	ions (controlled):		
PM Emissions:			
Emission Factor	0.0012 lbs/ton processed	[AP-42 Table 11.19.2-2, 8/04]	
Calculations	(0.0012 lbs/ton) * (600 tons/hr) = (0.72 lbs/hr) * (8760 hrs/yr) * (0.0005 to	ons/lb) =	0.72 lbs/hr 3.15 TPY
			0.10 11 1
PM ₁₀ Emissions:			
Emission Factor Calculations	0.00054 lbs/ton processed (0.00054 lbs/ton) * (600 tons/hr) =	[AP-42 Table 11.19.2-2, 8/04]	0.32 lbs/hr
	(0.324 lbs/hr) * (8760 hrs/yr) * (0.0005 f	tons/lb) =	0.32 IDS/III 1.42 TPY

PM_{2.5} Emissions:

Emission Factor	0.0001 lbs/ton processed	[AP-42 Table 11.19.2-2, 8/04]	
Calculations	(0.0001 lbs/ton) * (600 tons/hr) =		0.06 lbs/hr
	(0.06 lbs/hr) * (8760 hrs/yr) * (0.0005 ton	is/lb) =	0.26 TPY

Primary Cone Crusher Package \rightarrow Deck Screen [SCC 3-05-020-02]

Process Rate:	600 tons/hour
Operating Hours:	8760 hours/year

Particulate Emissions (controlled):

PM Emissions: Emission Factor Calculations	0.0022 lbs/ton processed (0.0022 lbs/ton) * (600 tons/hr) = (1.32 lbs/hr) * (8760 hrs/yr) * (0.0005 to	[AP-42 Table 11.19.2-2, 8/04] ns/lb) =	1.32 lbs/hr 5.78 TPY
PM ₁₀ Emissions: Emission Factor Calculations	0.00074 lbs/ton processed (0.00074 lbs/ton) * (600 tons/hr) = (0.444 lbs/hr) * (8760 hrs/yr) * (0.0005 t	[AP-42 Table 11.19.2-2, 8/04] ons/lb) =	0.44 lbs/hr 1.94 TPY

PM_{2.5} Emissions:

Emission Factor	0.00005 lbs/ton processed	[AP-42 Table 11.19.2-2, 8/04]	
Calculations	(0.00005 lbs/ton) * (600 tons/hr) =		0.03 lbs/hr
	(0.03 lbs/hr) * (8760 hrs/yr) * (0.0005	tons/lb) =	0.13 TPY

Secondary Cone Crusher Package \rightarrow Deck Screen [SCC 3-05-020-02]

Process Rate:	600 tons/hour
Operating Hours:	8760 hours/year

Particulate Emissions (uncontrolled):

PM Emissions:

Emission Factor	0.0022 lbs/ton processed	[AP-42 Table 11.19.2-2, 8/04]		
Calculations	(0.0022 lbs/ton) * (600 tons/hr) =		1.32	lbs/hr
	(1.32 lbs/hr) * (8760 hrs/yr) * (0.0005 to	ns/lb) =	5.78	TPY
PM ₁₀ Emissions:				

Emission Factor	0.00074 lbs/ton processed	[AP-42 Table 11.19.2-2, 8/04]		
Calculations	(0.00074 lbs/ton) * (600 tons/hr) =		0.44	lbs/hr
	(0.444 lbs/hr) * (8760 hrs/yr) * (0.0005 to	ons/lb) =	1.94	TPY

 $\mathsf{PM}_{2.5} \text{ Emissions:}$

Emission Factor	0.00005 lbs/ton processed	[AP-42 Table 11.19.2-2, 8/04]	
Calculations	(0.00005 lbs/ton) * (600 tons/hr) =		0.03 lbs/hr
	(0.03 lbs/hr) * (8760 hrs/yr) * (0.0005	tons/lb) =	0.13 TPY

Material Handling:

Fragmented Stone Load-In ► Grizzly Feeder [SCC 3-05-020-31]

Process Rate:600 tons/hour [Crusher Capacity]Operating Hours:8760 hours/year

Particulate Emissions (controlled):

PM Emissions:

	k, Dimensionless Particle Size Multiplier $PM_{2.5} = 0.053$ [AP-42 13.2.4, 11/06] U, Mean Wind Speed (mph) = 9.3 [ASOS/AWOS AVE-MT 10 yr Ave.]
	where: EF, Emission Factor = Ibs Emitted / ton Processed k, Dimensionless Particle Size Multiplier PM = 0.74 [AP-42 13.2.4, 11/06] k, Dimensionless Particle Size Multiplier PM ₁₀ = 0.35 [AP-42 13.2.4, 11/06]
Emission Factor	EF = k (0.0032) * [(U/5) ^{1.3} / (M / 2) ^{1.4}] [AP-42 13.2.4, 11/06]
Particulate Emission	is (uncontrolled):
	 800 tons/hour [Crusher Capacity] 760 hours/year 2 [Initial Pile Formation → Pile Load-Out to Trucks]
Storage Pile Load-In	& Load-Out
	(0.070 lbs/hr) * (8760 hrs/yr) * (0.0005 tons/lb) = 0.31 TPY
Emission Factor Calculations	0.000013 lbs/ton processed [AP-42 Table 11.19.2-2, 8/04] (0.000013 lbs/ton) * (600 tons/hr) * (9 Transfers) = 0.07 lbs/hr
PM _{2.5} Emissions:	
Emission Factor Calculations	0.000046lbs/ton processed[AP-42 Table 11.19.2-2, 8/04](0.000046lbs/ton) * (600 tons/hr) * (9 Transfers) =0.25(0.248lbs/hr) * (8760hrs/yr) * (0.0005tons/lb) =1.09TPY
PM ₁₀ Emissions:	0.000046 lbs/top processed [AD 42 Table 11 10 2 2 8/04]
DM Emissions:	(0.756 lbs/hr) * (8760 hrs/yr) * (0.0005 tons/lb) = 3.31 TPY
Emission Factor Calculations	0.00014 lbs/ton processed [AP-42 Table 11.19.2-2, 8/04] (0.00014 lbs/ton) * (600 tons/hr) * (9 Transfers) = 0.76 lbs/hr
PM Emissions:	
Particulate Emission	is (controlled):
	600 tons/hour 760 hours/year 9 Transfers [Based on Process Flow Diagram]
Conveyor Transfer P	oints [SCC 3-05-020-06]
Calculations	(0.00016 lbs/ton) * (600 tons/hr) = 0.10 lbs/hr (0.096 lbs/hr) * (8760 hrs/yr) * (0.0005 tons/lb) = 0.42 TPY
PM _{2.5} Emissions: Emission Factor	0.00016 lbs/ton processed [AP-42 Table 11.19.2-2, 8/04]
Calculations	(0.00016 lbs/ton) * (600 tons/hr) = 0.10 lbs/hr (0.096 lbs/hr) * (8760 hrs/yr) * (0.0005 tons/lb) = 0.42 TPY
Emission Factor	0.00016 lbs/ton processed [AP-42 Table 11.19.2-2, 8/04]
PM ₁₀ Emissions:	
Emission Factor Calculations	0.00016 lbs/ton processed [AP-42 Table 11.19.2-2, 8/04] (0.00016 lbs/ton) * (600 tons/hr) = 0.10 lbs/hr (0.096 lbs/hr) * (8760 hrs/yr) * (0.0005 tons/lb) = 0.42 TPY
PIVI EMISSIONS.	

	M, Material Moisture Content (%) =	2.53 [AP-42 13.2.4.3, 11/06]
PM Emissions:		
Emission Factor Calculations	EF = 0.74 * (0.0032) * [(9.33/5)^1.3 / (2.525/ 2)^1.4] = (0.0038 lbs/ton) * (1800 tons/hr) * (2 pile transfers) = (13.84 lbs/hr) * (8760 hours/yr) * (0.0005 tons/lb) =	0.0038 lbs/ton 13.84 lbs/hr 60.62 TPY
PM ₁₀ Emissions:		
Emission Factor Calculations	EF = 0.35 * (0.0032) * [(9.33/5)^1.3 / (2.525/ 2)^1.4] = (0.0018 lbs/ton) * (1800 tons/hr) * (2 piles) = (6.55 lbs/hr) * (8760 hours/yr) * (0.0005 tons/lb) =	0.0018 lbs/ton 6.55 lbs/hr 28.67 TPY
PM _{2.5} Emissions:		
Emission Factor Calculations	EF = 0.053 * (0.0032) * [(9.33/5)^1.3 / (2.525/ 2)^1.4] = (0.0003 lbs/ton) * (1800 tons/hr) * (2 piles) = (0.99 lbs/hr) * (8760 hours/yr) * (0.0005 tons/lb) =	0.00028 lbs/ton 0.99 lbs/hr 4.34 TPY
Primary Diesel Gene	erator Set:	
Fuel Input: 8.3	3 hp 5 MMBtu/hr 9 gallons/hour [Estimated]	
Hours of Operation:		
Particulate Emissior	ns (uncontrolled):	
PM Emissions:		
Emission Factor Calculations	0.0022 lb/hp-hr [AP-42 3.3-1, 10/96 (0.0022 lb/hp-hr) * (1193 hp) = (2.62 lbs/hr) * (4320 hrs/yr) * (0.0005 tons/lb) =] 2.62 lbs/hr 5.67 TPY
PM ₁₀ Emissions:		
Emission Factor Calculations	0.0022 lb/hp-hr [AP-42 3.3-1, 10/96 (0.0022 lb/hp-hr) * (1193 hp) = (2.62 lbs/hr) * (4320 hrs/yr) * (0.0005 tons/lb) =] 2.62 lbs/hr 5.67 TPY
PM _{2.5} Emissions (filter	rable):	
Emission Factor Calculations	0.0479 lb/MMBtu [AP-42 3.4-2, 10/96 (0.0479 lb/MMBtu) * (8.35 MMBtu/hr) = (0.40 lbs/hr) * (4320 hrs/yr) * (0.0005 tons/lb) =] 0.40 lbs/hr 0.86 TPY
PM _{2.5} Emissions (con	densable):	
Emission Factor Calculations	0.0077 lb/MMBtu [AP-42 3.4-2, 10/96 (0.0077 lb/MMBtu) * (8.35 MMBtu/hr) = (0.06 lbs/hr) * (4320 hrs/yr) * (0.0005 tons/lb) =] 0.06 lbs/hr 0.14 TPY
CO Emissions (unco	ontrolled):	
Emission Factor Calculations	0.00668 lb/hp-hr [AP-42 3.3-1, 10/96 (0.00668 lb/hp-hr) * (1193 hp) = (7.97 lbs/hr) * (4320 hrs/yr) * (0.0005 tons/lb) =] 7.97 lbs/hr 17.21 TPY

NOx Emissions (uncontrolled):

Emission Factor Calculations	0.031 lb/hp-hr [AP-42 (0.031 lb/hp-hr) * (1193 hp) = (36.98 lbs/hr) * (4320 hrs/yr) * (0.0005 tons/lb	2 3.3-1, 10/96] •) =	36.98 lbs/hr 79.88 TPY
SO₂ Emissions (unco	ontrolled):		
Emission Factor Calculations	0.00205 lb/hp-hr [AP-42 (0.0021 lb/hp-hr) * (1193 hp) = (2.45 lbs/hr) * (4320 hrs/yr) * (0.0005 tons/lb)	2 3.3-1, 10/96] =	2.45 lbs/hr 5.28 TPY
VOC Emissions (unc	ontrolled):		
Emission Factor Calculations	0.002514 lb/hp-hr [AP-42 (0.0025 lb/hp-hr) * (1193 hp) = (3.00 lbs/hr) * (4320 hrs/yr) * (0.0005 tons/lb)	2 3.3-1, 10/96] =	3.00 lbs/hr 6.48 TPY
Unpaved Roadways	(Haul Roads)		
	••		
Particulate Emission	s (controlled):		
Emission Factor	$ \begin{array}{llllllllllllllllllllllllllllllllllll$	4.9 [AP-42 Table 13 1.5 [AP-42 Table 13 0.15 [AP-42 Table 13 0.15 [AP-42 Table 13 27.1 [AP-42 Table 13 27.5 [Applicant Provic 0.7 [AP-42 Table 13 = 0.9 [AP-42 Table 13	.2.2-2, 11/06] .2.2-2, 11/06] .2.2-2, 11/06] .2.2-1, 11/06] ded Data] .2.2-2, 11/06] .2.2-2, 11/06]
PM Emissions:			
Emission Factor Calculations	EF = 4.9 * (7.1/12)^0.7 * (27.5/3)^0.45 = (9.20 lbs/VMT) * (5 miles/day) * (1 - 0.5 Ce) = (22.99 lbs/day) * (365 days/yr) * (0.0005 tons/		22.99 lbs/day 4.20 TPY
PM ₁₀ Emissions:			
Emission Factor Calculations	EF = 1.5 * (7.1/12)^0.9 * (27.5/3)^0.45 = (2.53 lbs/VMT) * (5 miles/day) * (1 - 0.5 Ce) = (6.34 lbs/day) * (365 days/yr) * (0.0005 tons/ll		6.34 lbs/day 1.16 TPY
PM _{2.5} Emissions:			
Emission Factor Calculations	EF = 0.15 * (7.1/12)^0.9 * (27.5/3)^0.45 = (0.25 lbs/VMT) * (5 miles/day) * (1 - 0.5 Ce) = (0.63 lbs/day) * (365 days/yr) * (0.0005 tons/ll		0.63 lbs/day 0.12 TPY

V. Existing Air Quality

The initial location of this source is to be located in the Southeast ¹/₄ of Section 17, Township 15 North, Range 18 East, in Fergus County, Montana. The initial location and those areas for which this facility is permitted to operate under MAQP #3368-01 are designated unclassified/attainment

with all National Ambient Air Quality Standards (NAAQS).

VI. Air Quality Impacts

MAQP #3368-01 contains operational conditions and limitations that would protect air quality for this site and the surrounding area. Furthermore, the current permit action is a like-kind replacement of existing permitted equipment, therefore, no additional emissions are authorized, therefore, additional air quality impacts are not expected and emissions generated by this project should not cause concentrations of PM_{10} in the ambient air that exceed the set standard.

VII. Ambient Air Impact Analysis

The Department determined that the impact from this permitting action will be minor. The Department believes it will not cause or contribute to a violation on any ambient air quality standard.

VIII. Taking or Damaging Implication Analysis

As required by 2-10-105, MCA, the Department conducted the following private property taking and damaging assessment.

YES	NO	
Х		1. Does the action pertain to land or water management or environmental regulation affecting
		private real property or water rights?
	Х	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)
	Х	4. Does the action deprive the owner of all economically viable uses of the property?
	Х	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?
	Х	6. Does the action have a severe impact on the value of the property? (consider economic
		impact, investment-backed expectations, character of government action)
	Х	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?
	Х	7b. Has government action resulted in the property becoming practically inaccessible,
		waterlogged or flooded?
	Х	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?
	Х	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.

IX. Environmental Assessment

An environmental assessment, required by the Montana Environmental Policy Act, was completed for this project. A copy is attached.

Analysis Prepared By: D. Kuenzli Date: January 9, 2012

DEPARTMENT OF ENVIRONMENTAL QUALITY Permitting and Compliance Division Air Resources Management Bureau 1520 East Sixth Avenue P.O. Box 200901 Helena, MT 59620-0901 (406) 444-3490

FINAL ENVIRONMENTAL ASSESSMENT (EA)

Issued For: Century Companies, Inc. P.O. Box 579 Lewistown, MT 59457

Montana Air Quality Permit Number(MAQP): 3368-01 Preliminary Determination Issued: 01/26/2012 Department Decision Issued: 03/02/2012 Permit Final: 03/20/2012

- 1. Legal Description of Site: Century Companies, Inc. (Century) submitted an application to operate a portable crushing/screening plant in Southeast ¼ of Section 17, Township 15 North, Range 18 East, in Fergus County, Montana. MAQP #3368-01 would apply while operating at any location in Montana, except within those areas having a Montana Department of Environmental Quality (Department) approved permitting program, those areas considered tribal lands, or those areas in or within 10 km of certain PM₁₀ nonattainment areas. A Missoula County air quality permit would be required for locations within Missoula County, Montana. An addendum to this air quality permit would be required for locations in or within 10 km of certain PM₁₀ nonattainment areas.
- 2. *Description of Project*: The Department received a permit application from Century for the operation of a non-metallic mineral processing facility with a combined maximum rated design process rate of 1,800 tons per hour (TPH) of crushing capacity and 1,200 TPH of screening capacity. A single 1,193 horsepower (hp) diesel-fired engine generator is used to provide electricity to the project site to power crushing/screening equipment and associated material handling equipment.
- 3. *Objectives of Project*: The object of the project would be to produce business and revenue for the company through the sale and use of aggregate. The issuance of Permit #3368-01 would allow Century to operate the permitted equipment at various locations throughout Montana, including the proposed initial site location.
- 4. *Additional Project Site Information*: In many cases, this crushing/screening operation may move to a general site location or open cut pit, which has been previously permitted through the Industrial and Energy Minerals Bureau (IEMB). If this were the case, additional information for the site would be found in the Mined Land Reclamation Permit for that specific site.
- 5. *Alternatives Considered*: In addition to the proposed action, the Department considered the "noaction" alternative. The "no-action" alternative would deny issuance of the Montana Air Quality Permit to the proposed facility. However, the Department does not consider the "no-action" alternative to be appropriate because Century demonstrated compliance with all applicable rules and regulations as required for permit issuance. Therefore, the "no-action" alternative was eliminated from further consideration.

- 6. *A Listing of Mitigation, Stipulations, and Other Controls*: A listing of the enforceable permit conditions and a Permit Analysis, including a BACT analysis, would be contained in Permit #3368-01.
- 7. *Regulatory Effects on Private Property Rights*: The Department considered alternatives to the conditions imposed in this permit as part of the permit development. The Department determined the permit conditions would be reasonably necessary to ensure compliance with applicable requirements and to demonstrate compliance with those requirements and would not unduly restrict private property rights.
- 8. The following table summarizes the potential physical and biological effects of the proposed project on the human environment. The "no action alternative" was discussed previously.

		Major	Moderate	Minor	None	Unknow n	Comments Included
А.	Terrestrial and Aquatic Life and Habitats			х			Yes
В.	Water Quality, Quantity, and Distribution			Х			Yes
C.	Geology and Soil Quality, Stability, and Moisture			х			Yes
D.	Vegetation Cover, Quantity, and Quality			Х			Yes
E.	Aesthetics			Х			Yes
F.	Air Quality			Х			Yes
G.	Unique Endangered, Fragile, or Limited Environmental Resource			Х			Yes
H.	Demands on Environmental Resource of Water, Air, and Energy			Х			Yes
Ι	Historical and Archaeological Sites				Х		Yes
J.	Cumulative and Secondary Impacts			Х			Yes

SUMMARY OF COMMENTS ON POTENTIAL PHYSICAL AND BIOLOGICAL EFFECTS: The following comments have been prepared by the Department.

A. Terrestrial and Aquatic Life and Habitats

Terrestrials would use the same area as the crushing/screening operations. Impacts on terrestrials and aquatic life could result from storm water runoff and pollutant deposition, but such impacts would be minor, as the crushing/screening operations would be considered a minor source of emissions and would have intermittent and seasonal operations. Furthermore, the air emissions would have only minor effects on terrestrial and aquatic life because facility emissions would have good pollutant dispersion in the area of operations (see Section 8.F). Therefore, only minor and temporary effects to terrestrial and aquatic life and habitat would be expected from the proposed crushing/screening operation.

B. Water Quality, Quantity, and Distribution

Water would be required for dust suppression on the surrounding roadways and areas of operation and for pollution control for equipment operations. However, pollutant deposition and water use would only cause minor, if any, impacts to water resources in these areas because the facility is small and only a small volume of water would be required to be used (as described in Section 8.F of this EA). Further, the site is relatively flat and minimal water runoff would be expected to occur. Therefore, at most, only minor surface and groundwater quality impacts would be expected.

C. Geology and Soil Quality, Stability, and Moisture

The crushing/screening operations would have only minor impacts on geology and soil quality, stability, and moisture of soils. Only minor impacts from deposition of air pollutants on soils would result (as described in Section 8.F of this EA) and only minor amounts of water would be used for pollution control, and would be used, only as necessary, in controlling particulate emissions. Thus, only minimal water runoff would occur (as described in Section 8.B of this EA). Since only minor amounts of pollution would be generated and corresponding emissions would be widely dispersed before settling upon vegetation and surrounding soils (as described in Section 8.D of this EA), impacts would be minor. Therefore, any effects upon geology and soil quality, stability, and moisture from air pollutant emissions from equipment operations would be minor and short-lived.

D. Vegetation Cover, Quantity, and Quality

Minor impacts would occur on vegetative cover, quality, and quantity because the facility would operate in an area where vegetation has been previously disturbed and the facility would be a small industrial operation. The facility would be a relatively minor source of emissions and the pollutants would be greatly dispersed (as described in Section 8.F of this EA); therefore, deposition on vegetation from the proposed project would be minor. Also, because the water usage would be minimal (as described in Section 8.B of this EA) and the associated soil disturbance from the application of water and water runoff would be minimal (as described in Section 8.C of this EA), corresponding vegetative impacts would be minor.

E. Aesthetics

The crushing/screening operation would be visible and would create additional noise while operating at the initially proposed site. However, Permit #3368-01 would include conditions to control emissions, including visible emissions, from the operation. The crushing/screening operation would be portable, would operate on an intermittent and seasonal basis, and would be a small industrial source. Therefore, any visual aesthetic impacts would be short-lived and minor.

F. Air Quality

Air quality impacts from the proposed project would be minor because the facility would be relatively small, operate on an intermittent and temporary basis, and locate at a previously disturbed site (existing pit). Permit #3368-01 would include conditions limiting the facility's opacity and the facility's crushing/screening production. Permit #3368-01 would also require water and water spray bars to be available on site and used to ensure compliance with opacity standards.

Further, the Department determined that the crushing/screening facility would be a minor source of emissions as defined under the Title V Operating Permit Program because the source's PTE was limited below the major source threshold level of 100 tons per year for any regulated pollutant. Pollutant deposition from the facility would be minimal because the pollutants emitted would be well controlled, widely dispersed (from factors such as wind speed and wind direction), and would have minimal deposition on the surrounding area. Therefore, air quality impacts from operating the crushing/screening equipment in this area would be minor.

G. Unique Endangered, Fragile, or Limited Environmental Resources

The Department, in an effort to assess any potential impacts to any unique endangered, fragile, or limited environmental resources in the initial proposed area of operation (the Southeast ¼ of Section 17, Township 15 North, Range 18 East, in Fergus County, Montana), contacted the Montana Natural Heritage Program (MNHP). Search results concluded there are no known environmental resources of special concern within the area. The search area, in this case, is defined by the township and range of the proposed site, with an additional one-mile buffer. Based on the small size and temporary nature of equipment operations and the minimal disturbance to the environment (water, air, and soils) from the proposed project, the Department determined no impacts to unique endangered, fragile, or limited environmental resources would occur.

In an effort to assess any potential impacts to any unique endangered, fragile, or limited environmental resources in the initial proposed area of operation, the Department contacted the Natural Resource Information System – Montana Natural Heritage Program. Search results concluded there are two species of concern within the area. The search area, in this case, is defined by the section, township, and range of the proposed site, with an additional 1-mile buffer. The known species of concern are vertebrate animals: the Great Blue Heron (Sensitive) and the Northern Redbelly Dace. Based on the impacts presented by similar permitted crushing and screening operations and the remote potential that any vertebrate animal species of concern would be located within the operational area of the project, any effects on the local populations would be expected to be minimal.

Initial and typical operations will likely take place within a previously disturbed industrial site, further limiting the potential for impact to any unique endangered, fragile, or limited environmental resource. Therefore, the overall industrial nature of the area would not change as a result of the proposed project and any associated impacts would be expected to be minor.

H. Demands on Environmental Resources of Water, Air, and Energy

Due to the relatively small size of the facility, the crushing/screening operation would only require small quantities of water, air, and energy for proper operation. Only small quantities of water would be required for dust suppression of emissions being generated at the site. In addition, impacts to air resources would be minor because the source is a minor industrial source of emissions, with intermittent and seasonal operations, and because air pollutants generated by the facility would be widely dispersed as described in Section 8.F of this EA. Energy requirements would also be small, as the facility would be powered by one industrial diesel generator engine that would use small amounts of fuel. Overall, any impacts to water, air, and energy resources would be minor.

I. Historical and Archaeological Sites

The Department contacted the Montana Historical Society - State Historical Preservation Office (SHPO) in an effort to identify any historical and/or archaeological sites that may be present in the proposed area of construction/operation. Search results concluded that there were several previously recorded historical or archaeological resource of concern within the area. However, the noted resources were not within the project site and beyond the range of influence from the site activities. According to correspondence from the Montana State Historic Preservation Office, there would be a low likelihood of adverse disturbance to any known archaeological or historic sites given the nature of the site. Therefore, no impacts upon historical or archaeological sites would be expected as a result of operating the proposed crushing/screening plant.

J. Cumulative and Secondary Impacts

The crushing/screening operation would cause minor cumulative and secondary impacts to the physical and biological aspects of the human environment because the facility would generate relatively small amounts of emissions of PM, PM_{10} , NO_x , CO, SOx, and VOC; including HAP. Emissions and noise generated from the equipment would, at most, result in only minor impacts to the area of operations because the crushing/screening plant would be relatively small, seasonal, and temporary. The site is removed from the general population, the proposed project would be short-term in nature, and have minor cumulative effects upon resource within the area. This facility, in combination with other emissions from Century's equipment operations would not be permitted to exceed 100 tons per year of non-fugitive emissions. Overall, cumulative and secondary impacts to the physical and biological aspects of the human environment would be minor.

9. The following table summarizes the potential economic and social effects of the proposed project on the human environment. The "no action alternative" was discussed previously.

		Major	Moderate	Minor	None	Unknow n	Comments Included
А.	Social Structures and Mores				Х		yes
В.	Cultural Uniqueness and Diversity				Х		yes
C.	Local and State Tax Base and Tax Revenue			Х			yes
D	Agricultural or Industrial Production			Х			yes
E.	Human Health			Х			yes
F.	Access to and Quality of Recreational and Wilderness Activities			Х			yes
G	Quantity and Distribution of Employment				Х		yes
Н.	Distribution of Population				Х		yes
I.	Demands for Government Services			Х			yes
J.	Industrial and Commercial Activity			Х			yes
K.	Locally Adopted Environmental Plans and Goals			Х			yes
L.	Cumulative and Secondary Impacts			Х			yes

SUMMARY OF COMMENTS ON POTENTIAL ECONOMIC AND SOCIAL EFFECTS: The following comments have been prepared by the Department.

A. Social Structures and Mores

The crushing/screening operation would cause no disruption to the social structures and mores in the area because the source would be a minor industrial source of emissions, would be separated from the general population, and would only have temporary and intermittent operations. Further, the facility would be required to operate according to the conditions that would be placed in Permit #3368-01, which would limit the effects to social structures and mores.

B. Cultural Uniqueness and Diversity

The cultural uniqueness and diversity of this area would not be impacted by the proposed crushing/screening operation because the proposed site is separated from the general population, and the facility would be a portable source, with seasonal and intermittent operations. The

predominant use of the surrounding area is agricultural production (farmland) and would not change as a result of this crushing/screening operation. Therefore, the cultural uniqueness and diversity of the area would not be affected.

C. Local and State Tax Base and Tax Revenue

The crushing/screening operations would have little, if any, impact on the local and state tax base and tax revenue because the facility would be a minor industrial source of emissions and would have seasonal and intermittent operations. The facility would require the use of only a few existing employees. Thus, only minor impacts to the local and state tax base and revenue could be expected from the employees and facility production. Furthermore, the impacts to local tax base and revenue would be minor because the source would be portable and the money generated for taxes would be widespread.

D. Agricultural or Industrial Production

The crushing/screening operations would have only a minor impact on local industrial production since the facility would be a minor source of aggregate production and air emissions. Also, the facility would locate in an area adjacent to farmland and at a site that can be used for animal grazing and agricultural production. Because minimal deposition of air pollutants would occur on the surrounding land (as described in Section 8.F of this EA), only minor and temporary effects on the surrounding vegetation (i.e. agricultural production) would occur. In addition, the facility operations would be small and temporary in nature and would be permitted with operational conditions and limitations that would minimize impacts upon surrounding vegetation, as described in Section 8.D of this EA.

E. Human Health

Permit #3368-01 would incorporate conditions to ensure that the crushing/screening facility would be operated in compliance with all applicable air quality rules and standards. These rules and standards are designed to be protective of human health. As described in Section 8.F. of this EA, the air emissions from this facility would be minimized by the use of water spray and other process limits that would be required by Permit #3368-01. Also, the facility would be operating on a temporary basis and pollutants would disperse from the ventilation of emissions at this site (see Section 8.F of this EA). Therefore, only minor impacts would be expected on human health from the proposed crushing/screening facility.

F. Access to and Quality of Recreational and Wilderness Activities

Noise from the facility would be minor because the facility would be small and would operate in an area removed from the general population. As a result, the amount of noise generated from the crushing/screening operation would be minimal. Also, the facility would operate on a seasonal and intermittent basis on private land, would be adjacent to the intersection of Highway 87 and Highway 191, and would be a relatively minor industrial source of emissions. Therefore, any changes in the quality of recreational and wilderness activities created by operating the equipment at this site would be expected to be minor and intermittent.

G. Quantity and Distribution of Employment

The portable crushing/screening operation would be relatively small, would have seasonal and intermittent operations, and would only require a few existing employees to operate. No individuals would be expected to permanently relocate to this area of operation as a result of operating the crushing/screening facility. Therefore, no effects upon the quantity and distribution of employment in this area would be expected.

H. Distribution of Population

The portable crushing/screening operation would be small and would only require a few existing employees to operate. No individuals would be expected to permanently relocate to this area of operation as a result of operating the crushing/screening facility. Therefore, the crushing/screening facility would not impact the normal population distribution in the initial area of operation or any future operating site.

I. Demands of Government Services

Minor increases would be seen in traffic on existing roadways in the area while the crushing/screening operation is in progress. In addition, government services would be required for acquiring the appropriate permits for the proposed project and to verify compliance with the permits that would be issued. However, demands for government services would be minor, due to the relatively small size and seasonal nature of the crushing/screening facility.

J. Industrial and Commercial Activity

The crushing/screening operation would represent only a minor increase in the industrial activity in the proposed area of operation because the source would be a relatively small industrial source that would be portable and temporary in nature. No additional industrial or commercial activity would be expected as a result of the proposed operation.

K. Locally Adopted Environmental Plans and Goals

Century would be allowed, by Permit #3368-01, to operate in areas designated by EPA as attainment or unclassified for ambient air quality. An Addendum would be required to operate in or within 10 km of a PM_{10} nonattainment area. Permit #3368-01 would contain production and opacity limits for protecting air quality and to keep facility emissions in compliance with any applicable ambient air quality standards, as a locally adopted environmental plan or goal for operating at this proposed site. Because the facility would be a small and portable source and would have intermittent and seasonal operations, any impacts from the facility would be minor and short-lived.

L. Cumulative and Secondary Impacts

The crushing/screening operations would only cause minor cumulative and secondary impacts to the social and economic aspects of the human environment in the immediate area of operation because the source would be a portable and temporary source that would be operating at a relatively remote location. Further, no other industrial operations are expected to result from the permitting of this facility. Minor increases in traffic would have minor effects on local traffic in the immediate area. Because the source is relatively small and temporary, only minor economic impacts to the local economy would be expected from operating the facility. Further, this facility may be operated in conjunction with other equipment owned and operated by Century, but any cumulative impacts upon the social and economic aspects of the human environment would be minor and short-lived. Thus, only minor and temporary cumulative effects would result to the local economy.

Recommendation: An EIS is not required.

If an EIS is not required, explain why the EA is an appropriate level of analysis: All potential effects resulting from construction and operation of the proposed facility are minor; therefore, an EIS is not required.

Other groups or agencies contacted or which may have overlapping jurisdiction: Department of Environmental Quality - Permitting and Compliance Division (Industrial and Energy Minerals Bureau); Montana Natural Heritage Program; and the State Historic Preservation Office (Montana Historical Society).

Individuals or groups contributing to this EA: Department of Environmental Quality (Air Resources Management Bureau and Industrial and Energy Minerals Bureau), Montana State Historic Preservation Office (Montana Historical Society).

EA prepared by: D. Kuenzli Date: January 9, 2012