

AIR QUALITY PERMIT

Issued To: Goose Bay Equipment, Inc.
1995 Third Ave. East
Kalispell, MT 59901

Permit #2776-06
Administrative Amendment (AA)
Request Received: 2/8/06
Department Decision on AA Issued: 3/31/06
Permit Final: 4/18/06
AFS: #777-2776

An air quality permit, with conditions, is hereby granted to Goose Bay Equipment, Inc. (Goose Bay), pursuant to Sections 75-2-204 and 211, Montana Code Annotated (MCA), as amended, and Administrative Rules of Montana (ARM), 17.8.701, *et seq.*, as amended, for the following:

Section I: Permitted Facilities

A. General Description

Goose Bay operates a portable crushing/screening operation at various locations throughout Montana. Permit #2776-06 applies while operating at any location in Montana, except within those areas having a permitting program approved by the Department of Environmental Quality (Department), or those areas considered tribal lands. *A Missoula County air quality permit will be required for locations within Missoula County, Montana.* Addendum 3 applies to the Goose Bay facility while operating at any location in or within 10 kilometers (km) of areas in non-attainment for particulate matter with an aerodynamic diameter of 10 microns or less (PM₁₀) during the summer months (April 1 – September 30) and at sites approved by the Department during the winter months (October 1 – March 31). A list of the permitted equipment is contained in Section I.A of the Permit Analysis.

B. Current Permit Action

On February 8, 2006, Goose Bay submitted a request for an administrative amendment to correct names and model years for three pieces of equipment. The permit was also updated to reflect the current permit language and rule references used by the Department. Permit #2776-06 replaces Permit #2776-05. Addendum 3 replaces Addendum 2.

Section II: Limitations and Conditions

A. Operational Limitations and Conditions

1. Goose Bay shall not cause or authorize to be discharged into the atmosphere from the pre-1983 crushers and any other associated equipment, any visible emissions that exhibit an opacity of 20% or greater averaged over 6 consecutive minutes (ARM 17.8.752).
2. Goose Bay 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).
3. Goose Bay shall treat all unpaved portions of the haul roads, access roads, parking lots, or the general plant area with water and/or chemical dust suppressant as necessary to maintain compliance with the reasonable precautions

limitation in Section II.A.2 (ARM 17.8.752).

4. Water and spray bars shall be available and on site at all times and operated as necessary, to maintain compliance with the opacity limitation in Section II.A.1 (ARM 17.8.752).
5. Plant production is limited to 1,226,400 tons during any 12-month rolling time period (ARM 17.8.749).
6. If the permitted equipment is used in conjunction with any other equipment, owned and operated by Goose Bay, at the same site, production shall be limited to correspond with an emission level that does not exceed 250 tons during any rolling 12-month time period. Any calculations used to establish production levels shall be approved by the Department (ARM 17.8.749).

B. Testing Requirements

1. All compliance source tests shall be conducted in accordance with the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106).
2. The Department may require testing (ARM 17.8.105).

C. Reporting Requirements

1. If this 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 where 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 17.8.765).
2. Goose Bay 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 Goose Bay as a permanent business record for at least 5 years following the date of the measurement, shall be submitted to the Department upon request, and shall be available at the plant site for inspection by the Department (ARM 17.8.749).
3. Goose Bay 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 identified in the most recent emission inventory report and sources identified in Section I.A of 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 (ARM 17.8.505).

4. Goose Bay shall notify the Department of any construction or improvement project conducted pursuant to ARM 17.8.745 that would include 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).

Section III: General Conditions

- A. Inspection - The recipient 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 (CEMS, 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 the recipient fails to appeal as indicated below.
- C. Compliance with Statutes and Regulations - Nothing in this permit shall be construed as relieving the permittee 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 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 of the air quality permit shall be made available for inspection by Department personnel at the location of the permitted source.
- G. Construction Commencement - Construction must begin within 3 years of permit issuance and proceed with due diligence until the project is complete or the permit shall be revoked.
- H. Permit Fees - Pursuant to Section 75-2-220, MCA, as amended by the 1991 Legislature, failure to pay of the annual operation fee by Goose Bay may be grounds for revocation of

this permit, as required by that Section and rules adopted thereunder by the Board.

- 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. Goose Bay shall comply with conditions contained in this permit while operating in any location in Montana, except within those areas having a Department approved permitting program.

Permit Analysis
Goose Bay Equipment, Inc.
Permit #2776-06

I. Introduction/Process Description

A. Permitted Equipment

Goose Bay Equipment, Inc. (Goose Bay) operates a portable 1952 Symons Standard 36" cone crusher (maximum capacity 70 tons per hour (TPH)), a portable 1974 Ken-Kue 10" x 24" jaw crusher (maximum capacity 70 TPH), 1974 Kolman Feed screen (maximum capacity 140 TPH), and associated equipment.

B. Process Description

For a typical operational setup, material is loaded into a hopper and transferred to a jaw crusher. Material is crushed and conveyed onto a screen. Material is screened and conveyed onto a cone crusher for further crushing and then conveyed to a stockpile.

C. Permit History

On May 24, 1993, **Permit #2776-00** was issued to Clark Fork Concrete, Inc. to operate a 1963 Symons Standard 36" cone crusher, a portable 1963 Pioneer Standard 10" x 24" jaw crusher, and associated equipment near Thompson Falls, Montana.

On September 30, 1993, **Permit #2776-01** was issued to Clark Fork Concrete, Inc. to allow the facility to operate 8760 hours/year.

On March 31, 1996, **Permit #2776-02** was issued to Paradise Rock, Inc. Permit #2776-02 reflected a change in their business name, from Clark Fork Concrete, Inc. Permit #2776-02 replaced Permit #2776-01.

On November 15, 1999, Paradise Rock, Inc. requested that Permit #2776-02 be modified to reflect the change in their business name. Permit **#2776-03** reflected the fact that Paradise Rock, Inc. assumed the name of Clark Fork Concrete and Rock, Inc. Permit #2776-03 replaced Permit #2776-02.

On April 24, 2002, Goose Bay submitted a request for a name change to transfer the ownership of the facility from Clark Fork Concrete and Rock, Inc. to Goose Bay. Subsequently, on May 2, 2002, Goose Bay requested a summertime addendum to operate in or within 10 kilometers (km) of certain PM₁₀ nonattainment areas (NAAs). The permit was also updated to reflect the current permit language and rule references used by the Department of Environmental Quality (Department). Permit **#2776-04** replaced Permit #2776-03 and **Addendum 1** was established.

On September 23, 2002, Goose Bay submitted a request for a wintertime addendum, in addition to the summertime addendum that they currently have, to allow operations in or within 10 km of certain PM₁₀ NAAs during the winter months (October 1 through March 31). The permit was also updated to reflect the current permit language and rule references used by the Department. Permit **#2776-05** replaced Permit #2776-04 and **Addendum 2** replaced Addendum 1.

D. Current Permit Action

On February 8, 2006, Goose Bay submitted a request for an administrative amendment to correct names and model years for three pieces of equipment. The permit was also updated to reflect the current permit language and rule references used by the Department. Permit #2776-06 replaces Permit #2776-05. **Addendum 3** replaces Addendum 2.

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 permit 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. ARM 17.8.101 Definitions. This rule is 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 Montana Clean Air Act, 75-2-101, *et seq.*, Montana Code Annotated (MCA).

Goose Bay 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. 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 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 as to create a public nuisance.

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

1. ARM 17.8.220 Ambient Air Quality Standard for Settled Particulate Matter
2. ARM 17.8.223 Ambient Standard for PM₁₀

Goose Bay must comply 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. This rule requires an opacity limitation of 20% for all fugitive emission sources, and that no person shall authorize the production, handling, transportation, or storage of any material unless reasonable precautions to control airborne particulate matter are taken.
3. ARM 17.8.310 Particulate Matter, Industrial Processes. This rule requires that no person shall cause or allow to be discharged into the atmosphere particulate matter in excess of the amount set forth in this section.
4. ARM 17.8.340 Standards of Performance for New Stationary Sources. The owner or operator of any stationary source or modification, as defined and applied in 40 CFR Part 60, shall comply with the standards and provisions of 40 CFR Part 60. Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants, indicates that NSPS requirements apply to crushing facilities with capacities greater than 150 tons per hour and/or that were constructed after August 31, 1983. Because this plant consists of a 1952 Symons Standard 36" cone crusher, a 1974 Ken-Kue jaw crusher, and associated equipment installed prior to 1983, NSPS (40 CFR Part 60, General Provisions and Subpart OOO, Nonmetallic Mineral Processing Plants) does not apply.

D. 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 Goose Bay 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. A permit fee is not required for the current permit action because the permit action is considered an administrative permit change.
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. This 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 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. 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 person 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 of any pollutant. Goose Bay has a PTE greater than 15 tons per year of total particulate matter (PM) and particulate matter with an aerodynamic diameter of 10 microns or less (PM10); 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 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 do not require a permit under the Montana Air Quality Permit Program.
5. ARM 17.8.748 New or Modified Emitting Units--Permit Application Requirements. (1) This rule requires that a permit application be submitted prior to installation, modification, or use of a source. The current permit action is administrative; therefore, no application is required. (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 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 Goose Bay 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 Goose Bay, 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 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. ARM 17.8.765 Transfer of Permit. (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. 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 Modification--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 Federal Clean Air Act (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 the potential to emit more than 250 tons per year of any air pollutant (excluding fugitive emissions).

- G. 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 stationary source having:
 - a. Potential to Emit (PTE) > 100 tons/year of any pollutant.
 - b. PTE > 10 tons/year of any one Hazardous Air Pollutant (HAP), PTE > 25 tons/year of a combination of all HAPs, or a lesser quantity as the Department may establish by rule.
 - c. Sources with the PTE > 70 tons/year of PM₁₀ in a serious PM₁₀ nonattainment area.
 2. ARM 17.8.1204 Air Quality Operating Permit Program Applicability. 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 #2776-06 for the Goose Bay facility, the following conclusions were made.
 - a. The facility's PTE is less than 100 tons/year for all criteria pollutants.
 - b. The facility's PTE is less than 10 tons/year of any one HAP and less than 25 tons/year of all HAPs.
 - c. This source is not located in a serious PM₁₀ nonattainment area.
 - d. This facility is not subject to any current NSPS standards.
 - e. This facility is not subject to any current NESHAP standards.
 - 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 the above facts, the Department has determined that Goose Bay will be a minor source of emissions as defined under Title V.

III. BACT Determination

A BACT determination is required for any new or altered source. Goose Bay shall install on the new or altered source the maximum air pollution control capability that is technologically practicable and economically feasible, except that BACT shall be used. A BACT determination was not required for the current permit action because the permit change is considered an administrative permit change.

IV. Emissions Inventory

Source	Tons/Year					
	PM	PM ₁₀	NO _x	VOC	CO	SO _x
1952 Symons Standard Cone Crusher (70 TPH)	0.77	0.37				
1974 Ken-Kue Jaw Crusher (70 TPH)	0.77	0.37				
1974 Kolman Feed Screen (140 TPH)	9.66	4.60				
Material Transfer	6.22	3.00				
Pile Forming	2.58	1.23				
Bulk Loading	2.58	1.23				
Haul Roads	2.74	1.23				
Total	25.32	12.03	0.00	0.00	0.00	0.00

A complete Emissions Inventory is on file with the Department.

V. Existing Air Quality

Permit #2776-06 is issued for the operation of a portable crushing/screening facility to operate at various locations throughout Montana. This facility would be allowed to operate at any area designated as attainment or unclassified for all National Ambient Air Quality Standards (NAAQS); excluding those counties that have a 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.*

Addendum 3 of Permit #2776-06 would cover this portable crushing/screening plant while operating at locations in or within 10 km of a PM₁₀ nonattainment area during the winter season (October 1 through March 31). It would also allow for summertime operations (April 1 – September 30) at any location in or within 10 km of the Butte, Columbia Falls, Libby, Kalispell, Thompson Falls, and Whitefish PM₁₀ nonattainment areas.

VI. Air Quality Impacts-

Based on the information provided and the conditions established in Permit #2776-06, the amount of controlled emissions generated by this facility will not exceed any ambient air quality standard established for any of Montana's attainment or unclassified ambient air quality areas. Additionally, the limitations and conditions established in Addendum 3 would be protective of corresponding ambient air quality standards. Lastly, this source is portable and any air quality impacts will be minimal.

VII. Taking or Damaging Implication Analysis

As required by 2-10-101 through 105, MCA, the Department conducted a private property taking and damaging assessment and determined there are no taking or damaging implications.

VIII. Environmental Assessment

This permitting action will not result in an increase of emissions from the facility and is considered an administrative action; therefore, an environmental assessment is not required.

Analysis Prepared By: Christine Weaver
Date: February 16, 2006

Addendum 3
Goose Bay Equipment, Inc.
Permit #2776-06

An addendum to air quality Permit #2776-06, with conditions, is hereby granted to Goose Bay Equipment, Inc. (Goose Bay) pursuant to Section 75-2-204 and 211 of the Montana Code Annotated (MCA), as amended, and Administrative Rules of Montana (ARM) 17.8.734, et seq., as amended, for the following:

I. Permitted Equipment

On September 23, 2002, Goose Bay applied for Addendum 2 to Permit #2776-05 for the operation of a portable crushing/screening plant in or within 10 kilometers (km) of the following PM₁₀ Nonattainment Areas (NAAs): Libby, Thompson Falls, Kalispell, Whitefish, Columbia Falls, and Butte. Addendum 3 to Permit #2776-06 corrects the identification of three pieces of equipment, updates the regulatory references, and replaces Addendum 2.

II. Seasonal and Site Restrictions

Addendum 3 to Permit #2776-06 applies to the Goose Bay facility operating at any location in or within 10 kilometers (km) of certain PM₁₀ (particulate matter with an aerodynamic diameter of 10 microns or less) Nonattainment Areas (NAAs). Seasonal site restrictions apply to the facility as follows.

- A. During the winter season (October 1 - March 31) – The only location(s) in or within 10 km of a PM₁₀ nonattainment area where Goose Bay may operate is:
- Section 36, Township 30 North, Range 21 West, in Flathead County, Montana;
 - Any other site that may be approved, in writing, by the Department of Environmental Quality (Department).
- B. During the summer season (April 1-September 30) – Goose Bay may operate at any location in or within 10 km of certain PM₁₀ NAAs, including, but not limited to Libby, Thompson Falls, Kalispell, Whitefish, Columbia Falls, and Butte.
- C. Goose Bay shall comply with the limitations and conditions contained in Addendum 3 to Permit #2776-06 while operating at any location in or within 10 km of any of the previously listed PM₁₀ NAAs. Addendum 3 shall be valid until revoked or modified. The Department of Environmental Quality (Department) reserves the authority to modify Addendum 3 at any time based on local conditions of any future site. These conditions may include, but are not limited to, local terrain, meteorological conditions, proximity to residences or other businesses, etc.

III. Limitations and Conditions

The Department conducted SCREEN VIEW air dispersion modeling, an Environmental Protection Agency (EPA) approved modeling program, to determine the maximum allowable plant production rate that would maintain compliance with the National Ambient Air Quality Standards (NAAQS) and the Montana Ambient Air Quality Standards (MAAQS) for PM₁₀. The NAAQS and MAAQS are designed to be protective of human health and public welfare. The Department established production limits in the addendum based on the modeling analysis.

A. Operational Limitations and Conditions

1. Water spray bars must be operated on the crushing/screening plant and all transfer points whenever the crushing/screening equipment is in operation (ARM 17.8.749).
2. All visible emissions from the crushing/screening plant may not exhibit an opacity of 10% or greater averaged over 6 consecutive minutes (ARM 17.8. 749).
3. Goose Bay shall not cause or authorize to be discharged into the atmosphere from any other equipment, such as screens or transfer points, any visible emissions that exhibit an opacity of 10% or greater averaged over 6 consecutive minutes (ARM 17.8.749).
4. Goose Bay shall not cause or authorize to be discharged into the atmosphere from haul roads, access roads, parking lots, or the general plant property any visible fugitive emissions that exhibit an opacity of 10% or greater (ARM 17.8.749).
5. Goose Bay shall treat all unpaved portions of the access roads, parking lots, and general plant area with water and/or chemical dust suppressant as necessary to maintain compliance with the 10% opacity limitation (ARM 17.8.749).
6. The combined Goose Bay crusher production for the facility shall not exceed 3,360 tons during any rolling 24-hour time period (ARM 17.8.749).
7. The Goose Bay screen production shall not exceed 2,976 tons during any rolling 24-hour time period (ARM 17.8.749).

B. Operational Reporting Requirements

1. Goose Bay shall provide the Department with written notification of job completion within 10 working days of job completion (ARM 17.8.749).
2. Goose Bay shall provide the Department with written notice of relocation of the permitted equipment within 15 working days before physical transfer of equipment (ARM 17.8.765).
3. Production information for the sites covered by this addendum must be submitted to the Department with the annual emissions inventory request or within 30 days of completion of the project. The information must include (ARM 17.8.749):
 - a. Tons of material crushed by each crusher at each site.
 - b. Tons of material screened at each site
 - c. Tons of material loaded at each site.
 - d. Daily hours of operation at each site.

- e. Fugitive dust information consisting of all plant vehicles, including the following:
 - i. Number of vehicles
 - ii. Vehicle type
 - iii. Vehicle weight, loaded
 - iv. Vehicle weight, unloaded
 - v. Number of tires on vehicle
 - vi. Average trip length
 - vii. Number of trips per day per vehicle
 - viii. Average vehicle speed
 - ix. Area of activity
 - x. Vehicle fuel usage (gasoline and diesel) annual total
 - f. Fugitive dust control for haul roads and general plant area:
 - i. Hours of operation of water trucks
 - ii. Application schedule for chemical dust suppressant, if applicable.
4. Goose Bay shall document, by day, the combined total crushing production. Goose Bay shall sum the combined total crushing production during the previous 24 hours to verify compliance with the limitations in Section III.A.6. A written report of compliance and the emissions inventory shall be submitted to the Department annually. The report for the previous calendar year shall be submitted no later than March 15 and may be submitted along with the annual emissions inventory (ARM 17.8.749).
5. Goose Bay shall document, by day, the total screening production. Goose Bay shall sum the total screening production during the previous 24 hours to verify compliance with the limitations in Section III.A.7. A written report of compliance and the emissions inventory shall be submitted to the Department annually. The report for the previous calendar year shall be submitted no later than March 15 and may be submitted along with the annual emissions inventory (ARM 17.8.749).

Addendum 3 Analysis
Goose Bay Equipment, Inc.
Permit #2776-06

I. Goose Bay Equipment, Inc. (Goose Bay) will operate a portable 1952 Symons Standard 36" cone crusher (maximum capacity 70 tons per hour (TPH)), a portable 1974 Ken-Kue 10" x 24" jaw crusher (maximum capacity 70 TPH), a 1974 Kolman Feed screen (maximum capacity 140 TPH), and associated equipment at various locations throughout Montana, except within those areas having a Department of Environmental Quality (Department) approved permitting program. *A Missoula County air quality permit will be required for locations within Missoula County.*

II. Permit History

On May 24, 1993, Permit #**2776-00** was issued to Clark Fork Concrete, Inc. to operate a 1963 Symons Standard 36" cone crusher, a portable 1963 Pioneer Standard 10" x 24" jaw crusher, and associated equipment near Thompson Falls, Montana.

On September 30, 1993, Permit #**2776-01** was issued to Clark Fork Concrete, Inc. to allow the facility to operate 8760 hours/year.

On March 31, 1996, Permit #**2776-02** was issued to Paradise Rock, Inc. Permit #2776-02 reflected a change in their business name, from Clark Fork Concrete, Inc. Permit #2776-02 replaced Permit #2776-01.

On November 15, 1999, Paradise Rock, Inc. requested that Permit #2776-02 be modified to reflect the change in their business name. Permit #**2776-03** reflected the fact that Paradise Rock, Inc. assumed the name of Clark Fork Concrete and Rock, Inc. Permit #2776-03 replaced Permit #2776-02.

On April 24, 2002, Goose Bay submitted a request for a name change to transfer the ownership of the facility from Clark Fork Concrete and Rock, Inc. to Goose Bay. Subsequently, on May 2, 2002, Goose Bay requested a summertime addendum to operate in or within 10 kilometers (km) of certain PM₁₀ nonattainment areas (NAAs) during the summer months (April 1 through September 30). The permit was also updated to reflect the current permit language and rule references used by the Department. Permit #**2776-04** replaced Permit #2776-03 and **Addendum 1** was established.

On September 23, 2002, Goose Bay submitted a request for a wintertime addendum, in addition to the summertime addendum that they currently have, to allow operations in or within 10 km of certain PM₁₀ (NAAs) during the winter months (October 1 through March 31). The permit was also updated to reflect the current permit language and rule references used by the Department. Permit #**2776-05** replaced Permit #2776-04 and **Addendum 2** replaced Addendum 1.

III. Current Permit Action

On February 8, 2006, Goose Bay submitted a request for an administrative amendment to correct names and model years for three pieces of equipment. The permit was also updated to reflect the current permit language and rule references used by the Department. Permit #**2776-06** replaces Permit #2776-05. **Addendum 3** replaces Addendum 2.

IV. Applicable Rules and Regulations

The following rules are partial quotations 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.

ARM 17.8, Subchapter 7, Permit, Construction and Operation of Air Contaminant Sources, including, but not limited to:

- A. ARM 17.8.749 Conditions for Issuance of Permit. This rule requires that the source demonstrate compliance with applicable rules and standards before a permit can be issued. Also, a permit may be issued with such conditions as are necessary to assure compliance with all applicable rules and standards. Goose Bay demonstrated compliance with all applicable rules and standards as required for permit issuance.
- B. ARM 17.8.764 Modification of Permit. An air quality permit may be modified 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 in emissions because of the changed conditions. A source may not increase its emissions beyond those found in its permit unless the source applies for and receives another permit.
- C. ARM 17.8.765 Transfer of Permit. An air quality permit may be transferred from one location to another if:
 1. Written notice of Intent to Transfer location and public notice is sent to the Department.
 2. The source will operate in the new location for a period of less than 1 year.
 3. The source will not have any significant impact on any nonattainment area or any Class I area.

Goose Bay must submit proof of compliance with the transfer and public notice requirements when they transfer to the location(s) covered by this addendum, and will only be allowed to stay in the new location for a period of less than 1 year. Also, implementing the conditions and controls of this addendum will keep Goose Bay from having a significant impact on any PM₁₀ nonattainment area.

V. Emission Inventory

Source	Lbs/Day					
	PM	PM ₁₀	NO _x	VOC	CO	SO _x
1952 Symons Standard Cone Crusher (70 TPH)	8.40	4.03				
1974 Ken-Kue Jaw Crusher (70 TPH)	8.40	4.03				
1974 Kolman Feed Screen Plant (140 TPH)	93.74	44.64				
Material Transfer:	68.21	32.93				
Pile Forming	28.22	13.44				
Bulk Loading	28.22	13.44				
Haul Roads	15.00	6.75				
Total	250.19	119.26	0.00	0.00	0.00	0.00

* A complete emission inventory is on file with the Department.

VI. Existing Air Quality

On July 1, 1987, the Environmental Protection Agency (EPA) promulgated new National Ambient Air Quality Standards (NAAQS) for PM₁₀. Due to exceedances of the national standards for PM₁₀, the cities of Kalispell (and the nearby Evergreen area), Columbia Falls, Butte, Whitefish, Libby, Missoula, and Thompson Falls were designated by EPA as nonattainment for PM₁₀. As a result of this designation, the EPA required the Department and the City-County Health Departments to submit PM₁₀ State Implementation Plans (SIPs). The SIPs consisted of emission control plans that controlled fugitive dust emissions from roads, parking lots, construction, and demolition, since technical studies identified these sources to be the major contributors to PM₁₀ emissions.

This addendum is for a portable crushing/screening plant to be located in or within 10 km of certain PM₁₀ NAAs. The more stringent operating conditions contained in the addendum will minimize any potential impact on the nonattainment area and protect the national ambient air quality standards.

VII. Air Quality Impacts

Permit #2776-06 will cover the operations of a portable crushing/screening plant to be located at various locations throughout Montana. Addendum 3 to Permit #2776-06 sets conditions and limitations that allow for this portable crushing/screening plant to operate at Township 30 North, Range 21, West, Section 36, in Flathead County, Montana during the winter months (October 1 through March 31). This site, the Goose Pit, is in or within 10 kilometers of the Columbia Falls PM₁₀ nonattainment area. Goose Bay would be allowed to operate here during the winter months (October 1 through March 31) and in or within 10 km of certain PM₁₀ nonattainment areas during the summer months (April 1 through September 30). Based on the information provided, the amount of controlled emissions generated by this facility will not exceed any set ambient air quality standard. In addition, this source is portable and any air quality impacts will be minimal.

VIII. Taking or Damaging Analysis

As required by 2-10-101 through 105, MCA, the Department conducted a private property taking and damaging assessment and determined there are no taking or damaging implications.

IX. Environmental Assessment

This permitting action will not result in an increase of emissions from the facility and is considered an administrative action; therefore, an environmental assessment is not required.

Analysis Prepared By: Christine Weaver

Date: February 16, 2006