

## AIR QUALITY PERMIT

Issued To: Schellinger Construction Co., Inc.      Permit #2624-13  
P.O. Box 39      Administrative Amendment Request Received: 8/13/03  
Columbia Falls, MT 59912-0039      Administrative Amendment Issued: 9/11/03  
Permit Final: 09/27/03  
AFS #: 777-2624

An air quality permit, with conditions, is hereby granted to Schellinger Construction Co., Inc. (Schellinger), pursuant to Section 75-2-204 and 211 of the Montana Code Annotated (MCA), as amended, and Administrative Rules of Montana (ARM) 17.8.740, *et seq.*, as amended, for the following:

### Section I: Permitted Facilities

#### A. Location

Schellinger operates a portable crushing/screening plant at various locations throughout Montana. Permit #2624-13, applies while operating at any location within Montana, except within those areas having a Department of Environmental Quality (Department) approved permitting program, those areas considered Tribal Lands, or those areas in or within 10 kilometers (km) of certain PM<sub>10</sub> nonattainment areas. *A Missoula County air quality permit will be required for locations within Missoula County, Montana.* A complete list of the permitted equipment is contained in Section I.A of the permit analysis.

#### B. Current Permit Action

On August 13, 2003, Schellinger submitted an administrative amendment request to remove the duplex crushing/screening unit consisting of a 1979 Pioneer jaw crusher (maximum capacity 200 tons per hour (TPH)) with an attached 1979 Pioneer rolls crusher (maximum capacity 200 TPH) and 1979 Pioneer 4-deck (5'x14') screen (maximum capacity 200 TPH), and associated equipment from Permit #2624-12. This permit action would not result in an increase in emissions for the facility, because the facility would be required to keep their production below the production limits previously established. Additionally, the addendum was also updated to reflect the current equipment for the facility. Also, the permit was updated to reflect the current permit language and rule references used by the Department.

### Section II: Limitations and Conditions

#### A. Operational

1. All visible emissions from any Standards of Performance for New Stationary Sources (NSPS) affected crushers may not exhibit an opacity of 15% or greater averaged over 6 consecutive minutes (ARM 17.8.340, ARM 17.8.752, and 40 CFR 60, Subpart OOO).
2. Schellinger shall not cause or authorize to be discharged into the atmosphere from any other NSPS affected equipment used in conjunction with this facility, such as screens or conveyor transfers, any visible emissions that exhibit an opacity of 10% or greater averaged over 6 consecutive minutes (ARM 17.8.340 and 40 CFR 60, Subpart OOO).
3. Schellinger shall not cause or authorize to be discharged into the atmosphere from any other associated equipment, any visible emissions that exhibit an opacity of 20% or greater averaged over 6 consecutive minutes (ARM 17.8.304).

4. Schellinger 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).
5. Schellinger 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.4 (ARM 17.8.752).
6. Water shall be available and used, as necessary, to maintain compliance with the opacity limitations in Sections II.A.1, II.A.2, and II.A.3 (ARM 17.8.752).
7. Combined crusher production is limited to 6,657,600 tons during any rolling 12-month time period (ARM 17.8.749).
8. Combined screen production is limited to 4,993,200 tons during any rolling 12-month time period (ARM 17.8.749).
9. Operation of the diesel generator (up to 1200 Kilowatt (kW) in size) shall not exceed 4,945 hours during any rolling 12-month time period (ARM 17.8.1204(3) and ARM 17.8.749).
10. If the permitted equipment is used in conjunction with any other equipment owned or operated by Schellinger, 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).
11. Schellinger shall comply with all applicable standards and limitations, and the reporting, recordkeeping, testing, and notification requirements contained in 40 CFR 60, Subpart OOO (ARM 17.8.340 and 40 CFR 60, Subpart OOO), as applicable.

#### B. Testing Requirements

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

#### C. Operational 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 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 17.8.765).
2. Schellinger 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 Schellinger as a permanent business record for at least 5 years following the date of the measurement, shall be available at the plant site for inspection by the Department, and shall be submitted to the Department upon request (ARM 17.8.749).
3. Schellinger shall supply the Department with annual production information for all emission points, as required by the Department in the annual emissions inventory request. The request will include, but is not limited to, all sources of emissions identified in the most recent

emission inventory 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. 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).

4. Schellinger 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 emissions 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 17.8.705).
5. Schellinger shall document, by month, the total combined crusher production from the facility. By the 25<sup>th</sup> day of each month, Schellinger shall total the combined crusher production during the previous 12 months to verify compliance with the limitation in Section II.A.7. A written report of the compliance verification shall be submitted along with the annual emission inventory (ARM 17.8.749).
6. Schellinger shall document, by month, the total combined screen production from the facility. By the 25<sup>th</sup> day of each month, Schellinger shall total the combined screen production during the previous 12 months to verify compliance with the limitation in Section II.A.8. A written report of the compliance verification shall be submitted along with the annual emission inventory (ARM 17.8.749).
7. Schellinger shall document, by month, the hours of operation of the 1200 kW diesel generator. By the 25<sup>th</sup> day of each month, Schellinger shall total the hours of operation of the diesel generator during the previous 12 months to verify compliance with the limitation in Section II.A.9. A written report of the compliance verification shall be submitted along with the annual emission inventory (ARM 17.8.749).
8. Schellinger shall annually certify that its emissions are less than those that would require the facility to obtain an air quality operating permit as required 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 (ARM 17.8.1204).

### Section III: Addendum

Schellinger shall comply with all conditions in Addendum 13 to this permit, as appropriate (ARM 17.8.749).

### Section IV: General Conditions

- A. Inspection - Schellinger 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 Schellinger fails to appeal as indicated below.
- C. Compliance with Statutes and Regulations - Nothing in this permit shall be construed as relieving Schellinger 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 postpones the effective date of the Department's decision until the conclusion of the hearing and issuance of a final decision by the Board. The Department's decision on the application is not final unless 15 days have elapsed and there is no request for a hearing under this section.
- 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 by Schellinger of an annual operation fee 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. Schellinger 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.

Permit Analysis  
Schellinger Construction Co., Inc.  
Permit Number 2624-13

I. Introduction/Process Description

A. Permitted Equipment

Schellinger Construction Co., Inc. (Schellinger) operates a portable 1994 Caterpillar diesel generator (1200 Kilowatt (kW)), a 2002 Nordberg cone crusher (maximum capacity 300 tons per hour (TPH)) with an attached 3-deck (6'x16') screen (maximum capacity 300 TPH), a 1998 Nordberg cone crusher (maximum capacity 300 TPH) with an attached 3-deck (6'x16') screen (maximum capacity 300 TPH), and associated equipment.

B. Process Description

The crushing/screening plant is used to crush and sort sand and gravel. For a typical operational setup, the raw materials are initially sent through the feeder and processed (through up to 2 crushers, up to 2 screens, and associated equipment), stockpiled, and sold (generally for construction operations).

C. Permit History

On March 20, 1990, Permit #**2624-00** was issued to Schellinger to operate a diesel generator, a screen, a 1976 Pioneer 50 VE portable duplex gravel crusher, and associated equipment. The jaw crusher was limited to a maximum production rate of 200 TPH, and the rolls crusher was limited to a maximum production rate of 200 TPH.

On March 17, 1994, Permit #**2624-01** with **Addendum 1** was issued to allow the crushing plant to operate at the NW $\frac{1}{2}$  of the NE $\frac{1}{4}$  of Section 1, Township 30 North, Range 22 West, in Flathead County. The location was within the Whitefish PM<sub>10</sub> nonattainment area.

On April 13, 1994, Permit #**2624-02** with **Addendum 2** was issued to allow the crushing plant to operate at the NW $\frac{1}{4}$  of the NW $\frac{1}{4}$  of Section 31, Township 29 North, Range 21 West (NUPAC Pit) and at the NW $\frac{1}{4}$  of the NW $\frac{1}{4}$  of Section 22, Township 29 North, Range 21 West (A-1 Paving's Pit) in Flathead County during the winter months (October 1 through March 31). The NUPAC pit is approximately 0.6 kilometers from the Kalispell PM<sub>10</sub> nonattainment area and A-1 Paving's pit is approximately 2.25 kilometers from the Kalispell PM<sub>10</sub> nonattainment area.

On August 7, 1995, Schellinger requested that Permit #2624-02 be modified to allow the crushing plant to continue operation within 10 kilometers of certain PM<sub>10</sub> nonattainment areas during the winter months (October 1 through March 31). The new conditions and reporting requirements were stated in **Addendum 3** of Permit #**2624-03**.

On August 25, 1996, Permit #**2624-04** with **Addendum 4** was issued to Schellinger, which modified Permit #2624-03 and allowed Schellinger to operate the crushing plant within 10 kilometers of certain PM<sub>10</sub> nonattainment areas during the summer months, and to operate throughout the winter months (October 1996 through March 1997) within 10 kilometers of the Thompson Falls and Kalispell PM<sub>10</sub> nonattainment areas. Also, Permit #2624-04 was updated to reflect the new emission factors used in the emission inventory. As a result of using the new emission factors, the operational limit of 8500 hours per year was removed.

On March 23, 1997, Permit #**2624-05** with **Addendum 5** was issued to Schellinger for the operation of the crushing plant in or within 10 kilometers of certain PM<sub>10</sub> nonattainment areas. The permit allowed the operation of this plant in these areas through September 30, 1997.

On November 12, 1997, Schellinger requested that Permit #2624-05 be modified to allow the crushing plant to operate at the NE¼ of the NE¼ of Section 26, Township 29 North, Range 22 West in Flathead County until September 30, 1998, and in or within 10 kilometers of any PM<sub>10</sub> nonattainment area from April 1, 1998, through September 30, 1998. It was determined that the conditions contained in Permit #2624-05 must be modified, per General Condition I of Permit #2624-05, and controls implemented to limit the impacts of the portable crusher's emissions on the nonattainment area. A SCREEN VIEW Model was completed and demonstrated no significant impacts on the nonattainment area for the operation of the crushing plant at the NE¼ of the NE¼ of Section 26, Township 29 North, Range 22 West in Flathead County. The new conditions and reporting requirements were stated in **Addendum 6** of Permit #2624-06. Permit #2624-06 replaced Permit #2624-05.

On December 19, 1998, Schellinger was issued Permit #2624-07 with **Addendum 7** to allow the facility to operate at seven different locations in or within 10 kilometers of the Kalispell PM<sub>10</sub> non-attainment area during the winter months. In addition, Permit #2624-07 allowed operation in or within 10 kilometers of the following PM<sub>10</sub> nonattainment areas from April 1, 1999, to September 30, 1999: Libby, Kalispell, Columbia Falls, Whitefish, Thompson Falls, Missoula, and Butte.

On March 16, 1999, Schellinger was issued Permit #2624-08 with **Addendum 8** to allow the facility to operate at seven different locations in or within 10 kilometers of the Kalispell, Columbia Falls, and Whitefish PM<sub>10</sub> nonattainment areas during the winter months (October 1, 1999, through March 31, 2000). In addition, Permit #2624-08 allowed operation in or within 10 km of the following PM<sub>10</sub> nonattainment areas from April 1, 2000, through September 30, 2000: Libby, Kalispell, Columbia Falls, Whitefish, Thompson Falls, Missoula, and Butte. SCREEN VIEW air dispersion modeling was conducted for the proposed operation in order to determine a production limit that would be protective of the nonattainment areas. Worst case modeling results were used to determine a production limit that would be protective of existing air quality in or within 10 km of the PM<sub>10</sub> nonattainment areas. Permit #2624-08 replaced Permit #2624-07 and Addendum 8 replaced Addendum 7.

On September 14, 2000, Schellinger was issued Permit #2624-09 with **Addendum 9** for a renewal of the addendum in Permit #2624-08 to allow the facility to continue operation at seven different locations in or within 10 kilometers of the Kalispell, Columbia Falls, and Whitefish PM<sub>10</sub> nonattainment areas during the winter months (October 1, 2000, through March 31, 2001). In addition, Permit #2624-08 allowed operation in or within 10 km of the following PM<sub>10</sub> nonattainment areas from April 1, 2001, through September 30, 2001; Libby, Kalispell, Columbia Falls, Whitefish, Thompson Falls, Missoula, and Butte. SCREEN VIEW air dispersion modeling was conducted to determine a production limit that would protect the nonattainment areas. Worst-case modeling results were used to determine a production limit that would protect existing air quality in or within 10 km of the PM<sub>10</sub> nonattainment areas. Based on Schellinger's request, the Department of Environmental Quality (Department) determined that the modeling performed for Permit #2624-08 was still valid. The decisions in this permit were based on that modeling. Permit #2624-09 replaced Permit #2624-08 and Addendum 9 replaced Addendum 8.

On May 8, 2002, Schellinger was issued Permit #2624-10 with **Addendum 10** to replace a 1976 Pioneer duplex crusher (jaw and rolls) with a 1990 El-Jay cone crusher (maximum capacity 200 TPH), a 1998 Nordberg cone crusher (maximum capacity 300 TPH), a 1979 Pioneer cone crusher (maximum capacity 200 TPH), a 1994 diesel generator (1200 kW), and associated equipment. Additionally, Schellinger requested to renew their addendum to operate at seven different locations in or within 10 kilometers of the Kalispell, Columbia Falls, and Whitefish PM<sub>10</sub> nonattainment areas during the winter months and in or within 10 km of certain PM<sub>10</sub> nonattainment areas during the summer months. SCREEN VIEW air dispersion modeling was

conducted to determine a production limit that would be protective of the nonattainment areas. Worst-case modeling results were used to determine a production limit that would protect existing air quality in or within 10 km of the nonattainment areas. The decisions in this permit are based on that modeling. Permit #2624-10 replaced Permit #2624-09 and Addendum 10 replaced Addendum 9.

On October 5, 2002, Schellinger was issued a permit to correctly identify the 1979 Pioneer crusher as a jaw and rolls crusher, not a cone crusher, as was originally reported. Additionally, Schellinger requested the addition of a 1998 Nordberg 3-deck screen, a 1990 EL-Jay 3-deck screen, and a 1979 Pioneer 4-deck screen to the list of permitted equipment. Furthermore, Schellinger requested to update their addendum, to incorporate the new equipment, and again be allowed to operate at seven different locations in or within 10 kilometers of the Kalispell, Columbia Falls, and Whitefish PM<sub>10</sub> nonattainment areas during the winter months and in or within 10 km of certain PM<sub>10</sub> nonattainment areas during the summer months. Worst-case modeling results using SCREEN VIEW air dispersion modeling were used to determine a production limit that would protect existing air quality in or within 10 km of the PM<sub>10</sub> nonattainment areas. The decisions in the addendum were based on that modeling. Permit **#2624-11** replaced Permit #2624-10 and **Addendum 11** replaced Addendum 10.

On January 15, 2003, Schellinger submitted an administrative amendment request to remove the 1990 EL-Jay cone crusher (maximum capacity 200 TPH) and attached 3-deck (6'x16') screen (maximum capacity 200 TPH) and replace it with a crusher and attached screen with a capacity of up to 300 TPH. This equipment was added as an Administrative Amendment because the facility would be required to keep their production below the production limits previously established in Sections II.A.7 and II.A.8 of Permit #2624-11 and Sections III.A.6 and III.A.7 of Addendum 11, and would not result in an increase in emissions for the facility. Additionally, a request to update the addendum and include the NW<sup>1</sup>/<sub>4</sub> of the SE<sup>1</sup>/<sub>4</sub> and the NE<sup>1</sup>/<sub>4</sub> of the SW<sup>1</sup>/<sub>4</sub> of Section 36, Township 30 North, Range 21 West, in Flathead County, Montana as a site in the addendum was also requested. The facility would be allowed to operate at eight different locations in or within 10 kilometers (km) of the Kalispell, Columbia Falls, and Whitefish PM<sub>10</sub> nonattainment areas during the winter months and in or within 10 km of certain PM<sub>10</sub> nonattainment areas during the summer months. Worst-case Screen View air dispersion modeling results were used to determine a production limit that would protect existing air quality in or within 10 km of the PM<sub>10</sub> nonattainment areas. Permit **#2624-12** replaced Permit #2624-11 and **Addendum 12** replaced Addendum 11.

#### D. Current Permit Action

On August 13, 2003, Schellinger submitted an administrative amendment request to remove the duplex crushing/screening unit consisting of a 1979 Pioneer jaw crusher (maximum capacity 200 tons per hour (TPH)) with an attached 1979 Pioneer rolls crusher (maximum capacity 200 TPH) and 1979 Pioneer 4-deck (5'x14') screen (maximum capacity 200 TPH), and associated equipment from Permit #2624-12. This permit action would not result in an increase in emissions for the facility, because the facility would be required to keep their production below the production limits previously established. Additionally, the addendum was also updated to reflect the current equipment for the facility. Also, the permit was updated to reflect the current permit language and rule references used by the Department. Permit **#2624-13** replaces Permit #2624-12 and **Addendum 13** replaces Addendum 12.

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

Schellinger 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 17.8.210 Ambient Air Quality Standards for Sulfur Dioxide
2. ARM 17.8.211 Ambient Air Quality Standards for Nitrogen Dioxide
3. ARM 17.8.212 Ambient Air Quality Standards for Carbon Monoxide
4. ARM 17.8.220 Ambient Air Quality Standard for Settled Particulate Matter
5. ARM 17.8.223 Ambient Air Quality Standard for PM<sub>10</sub>

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

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

1. ARM 17.8.304 Visible Air Contaminants. This rule requires that no person may cause or authorize emissions to be discharged to an outdoor atmosphere from any source installed after November 23, 1968, that exhibit an opacity of 20% or greater averaged over 6 consecutive

minutes.

2. ARM 17.8.308 Particulate Matter, Airborne. (1) This rule requires an opacity limitation of less than 20% for all fugitive emission sources and that reasonable precautions be taken to control emissions of airborne particulate matter. (2) Under this rule, Schellinger 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.
  3. ARM 17.8.309 Particulate Matter, Fuel Burning Equipment. This rule requires that no person shall cause or authorize to be discharged into the atmosphere particulate matter caused by the combustion of fuel in excess of the amount determined by this rule.
  4. ARM 17.8.310 Particulate Matter, Industrial Process. This rule requires that no person shall cause or authorize to be discharged into the atmosphere particulate matter in excess of the amount set forth in this rule.
  5. ARM 17.8.322 Sulfur Oxide Emissions--Sulfur in Fuel. This rule requires that no person shall burn liquid, solid, or gaseous fuel in excess of the amount set forth in this section.
  6. ARM 17.8.340 Standard of Performance for New Stationary Sources. This rule incorporates, by reference, 40 CFR 60, Standards of Performance for New Stationary Sources (NSPS). 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. In order for a crushing/screening plant to be subject to NSPS requirements, two specific criteria must be met. First, the crushing/screening plant must meet the definition of an affected facility and second, the equipment in question must have been constructed, reconstructed, or modified after August 31, 1983. Based on the information submitted by Schellinger, the crushing/screening equipment to be used with Permit #2624-13 is subject NSPS requirements (40 CFR Part 60, Subpart A General Provisions, and Subpart OOO, Non-Metallic Mineral Processing Plants).
- 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 Schellinger shall 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. Schellinger was not required to submit a permit application fee for the current permit action because this permit action reflects an administrative action for the removal of equipment and updates the permit and addendum to reflect this 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 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, modify, or use any asphalt plant, crusher, or screen that has the Potential to Emit (PTE) greater than 15 tons per year of any pollutant. Schellinger has a PTE greater than 15 tons per year of total particulate matter (PM), oxides of nitrogen (NO<sub>x</sub>), and carbon monoxide (CO); therefore, an air quality permit is required.
  3. ARM 17.8.744 Montana Air Quality Permits--General Exclusions. This rule identifies the activities that are not subject to the Montana Air Quality Permit 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. This rule requires that a permit application be submitted prior to installation, modification, or use of a source. Schellinger was not required to submit a permit application for the current permit action because it is an administrative 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. Schellinger was not required to submit a permit application for the current permit action because it is an administrative action.
  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 IV 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 Schellinger of the responsibility for complying with any applicable federal or Montana statute, rule, or standard, except as specifically provided in ARM 17.8.740, *et seq.*
  10. ARM 17.8.759 Review of Permit Applications. This rule describes the Department's responsibilities for processing permit applications and making permit decisions on those permit applications that do not require the preparation of an environmental impact statement.

11. ARM 17.8.762 Duration of Permit. An air quality permit shall be valid until revoked or modified, as provided in this subchapter, except that a permit issued prior to construction of a new or altered source may contain a condition providing that the permit will expire unless construction is commenced within the time specified in the permit, which in no event may be less than 1 year after the permit is issued.
12. ARM 17.8.763 Revocation of Permit. An air quality permit may be revoked upon written request of the permittee, or for violations of any requirement of the Clean Air Act of Montana, rules adopted under the Clean Air Act of Montana, the FCAA, rules adopted under the FCAA, or any applicable requirement contained in the Montana State Implementation Plan (SIP).
13. ARM 17.8.764 Administrative Amendment to Permit. An air quality permit may be amended for changes in any applicable rules and standards adopted by the Board of Environmental Review (Board) or changed conditions of operation at a source or stack that 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 those found in its permit, 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 Modifications--Source Applicability and Exemptions. The requirements contained in ARM 17.8.819 through ARM 17.8.827 shall apply to any major stationary source and any major modification with respect to each pollutant subject to regulation under the FCAA that it would emit, except as this subchapter would otherwise allow.

This facility is not a major stationary source since it is not a listed source and the facility's PTE is less 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. ARM 17.8.1201 Definitions. (23) Major Source under Section 7412 of the FCAA is defined as any stationary source having:
  - a. 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. PTE > 70 tons/year of PM<sub>10</sub> in a serious PM<sub>10</sub> nonattainment area.
2. ARM 17.8.1204 Air Quality Operating Permit Program Applicability. (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 #2624-13 for Schellinger, 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 PM<sub>10</sub> nonattainment area.
  - d. This facility is not subject to any current NESHAP standards.
  - e. This facility is subject to current NSPS (40 CFR 60, Subpart A and Subpart OOO) requirements.
  - f. This source is not a Title IV affected source nor a solid waste combustion unit.
  - g. This source is not an EPA designated Title V source.

Based on these facts, the Department has determined that Schellinger will be a minor source of emissions as defined under Title V. However, if minor sources subject to NSPS are required to obtain a Title V Operating Permit, Schellinger will be required to obtain an Operating Permit.

- h. 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 potential to emit.
  - i. In applying for an exemption under this section, the owner or operator of the source shall certify to the Department that the source's potential to emit does not require the source to obtain an air quality operating permit.
  - ii. Any source that obtains a federally enforceable limit on potential to emit shall annually certify that its actual emissions are less than those that would require the source to obtain an air quality operating permit.

The Department determined that the annual reporting requirements contained in the permit are sufficient to satisfy this requirement.

- 3. ARM 17.8.1207 Certification of Truth, Accuracy, and Completeness. The compliance certification submittal required by ARM 17.8.1204(3) shall contain certification by a responsible official of truth, accuracy, and completeness. 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. Emission Inventory

Source	Tons/Year					
	PM	PM <sub>10</sub>	NO <sub>x</sub>	VOC	CO	SO <sub>x</sub>
2002 Nordberg Cone crusher (up to 300 TPH)	0.32	0.16				
1998 Nordberg Cone crusher (up to 300 TPH)	0.32	0.16				
2002 Nordberg (6'x16') 3-deck screen (up to 300 TPH)	2.04	0.97				
2002 Nordberg (6'x16') 3-deck screen (up to 300 TPH)	2.04	0.97				
Material Transfer	2.62	1.27				
Pile Forming	3.26	1.55				
Bulk Loading	0.54	0.26				
Diesel Generator (up to 1200 KW)	2.79	2.79	95.49	2.55	21.88	8.04
Haul Roads	2.74	1.23				
<b>Total</b>	<b>16.67</b>	<b>9.36</b>	<b>95.49</b>	<b>2.55</b>	<b>21.88</b>	<b>8.04</b>

- A complete emissions inventory for Permit #2624-13 is on file with the Department.

### IV. BACT Analysis

A BACT determination is required for each new or altered source. Schellinger shall install on the new or altered source the maximum air pollution control capability, which is technically practicable and economically feasible, except that BACT shall be utilized. A BACT analysis was not required for this permit action because the change to the permit reflects an administrative amendment, with no increase in emissions for the facility.



Addendum 13  
Schellinger Construction Co., Inc.  
Permit #2624-13

An addendum to air quality Permit #2624-13 is issued to Schellinger Construction Co., Inc. (Schellinger), pursuant to Section 75-2-204 and 211 of the Montana Code Annotated (MCA), as amended, and Administrative Rules of Montana (ARM) 17.8.765, as amended, for the following:

I. Permitted Equipment

Schellinger is permitted to a portable 1994 Caterpillar diesel generator (1200 Kilowatt (kW)), a 2002 Nordberg cone crusher (maximum capacity 300 tons per hour (TPH)) with an attached 3-deck (6'x16') screen (maximum capacity 300 TPH), a 1998 Nordberg cone crusher (maximum capacity 300 TPH) with an attached 3-deck (6'x16') screen (maximum capacity 300 TPH), and associated equipment. Schellinger will operate at various locations throughout Montana, including in or within 10 kilometers of the following PM<sub>10</sub> nonattainment areas: Butte, Columbia Falls, Kalispell, Libby, Thompson Falls, and Whitefish.

II. Seasonal and Site Restrictions

Addendum 13 applies to the Schellinger facility while operating at any location in or within 10 km of certain PM<sub>10</sub> nonattainment areas. Additionally, seasonal and site restrictions apply to the facility as follows:

- A. During the winter season (October 1-March 31) - The only locations in or within 10 km of a PM<sub>10</sub> nonattainment area where Schellinger may operate are: 1) the NE $\frac{1}{4}$  of the SW $\frac{1}{4}$  of Section 23, Township 30 North, Range 21 West (A-1 Paving Hodgson Road Pit); 2) the NE $\frac{1}{4}$  of the NE $\frac{1}{4}$  of Section 26, Township 29 North, Range 22 West (Tutvedt Pit); 3) the NW $\frac{1}{4}$  of the NW $\frac{1}{4}$  of Section 31, Township 29 North, Range 21 West (NUPAC Pit); 4) the NW $\frac{1}{4}$  of the NW $\frac{1}{4}$  of Section 22, Township 29 North, Range 21 West (A-1 Paving Pit); 5) the N $\frac{1}{2}$  of Section 21, Township 30 North, Range 21 West (Carlson Pit); 6) the S $\frac{1}{2}$  of the SE $\frac{1}{4}$  of Section 31, Township 31 North, Range 22 West (Peschel Pit); 7) the NE $\frac{1}{4}$  and SE $\frac{1}{4}$  of the NW $\frac{1}{4}$  of Section 9, Township 27 North, Range 21 West (Spoklie Pit); and 8) the NW $\frac{1}{4}$  of the SE $\frac{1}{4}$  and the NE $\frac{1}{4}$  of the SW  $\frac{1}{4}$  of Section 36, Township 30 North, Range 21 West, in Flathead County, Montana (Jellison Pit).
- B. During the summer season (April 1-September 30) – Schellinger may operate at any location in or within 10 kilometers of the Butte, Columbia Falls, Kalispell, Libby, Thompson Falls, and Whitefish PM<sub>10</sub> nonattainment areas.
- C. Schellinger shall comply with the limitations and conditions contained in Addendum #13 to Permit #2624-13 while operating in or within 10 km of any of the previously identified PM<sub>10</sub> nonattainment areas. Addendum #13 shall be valid until revoked or modified. The Department of Environmental Quality (Department) reserves the authority to modify Addendum #13 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

#### A. Operational

1. Water spray bars must be available and operated on the crusher and all transfer points whenever the crushing/screening plant 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. Schellinger 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. Schellinger 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. Schellinger 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 crusher production for the facility shall not exceed 2,832 tons during any rolling 24-hour time period (ARM 17.8.749).
7. The combined screen production for the facility shall not exceed 2,124 tons during any rolling 24-hour time period (ARM 17.8.749).
8. The operation of the diesel generator shall not exceed 13 hours of operation during any rolling 24-hour period (ARM 17.8.749).

#### B. Operational Reporting Requirements

1. Schellinger shall provide the Department with written notification of job completion within 10 working days of job completion (ARM 17.8.749).
2. Schellinger shall provide the Department with written notice of relocation of the permitted equipment within 15 working days before the 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. The information must include (ARM 17.8.749):
  - a. Tons of material crushed by each crusher at each site.
  - b. Tons of material screened by each screen at each site.
  - c. Tons of bulk material loaded at each site.
  - d. Daily hours of operation at each site.
  - e. Gallons of diesel used by the generator at each site.

- f. 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
  
- g. 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. Schellinger shall document, by day, the combined total crushing production. Schellinger shall sum the combined total crushing production during the previous 24 hours to verify compliance with the limitation 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 and may be submitted along with the annual emissions inventory (ARM 17.8.749).
  
- 5. Schellinger shall document, by day, the combined total screening production. Schellinger shall sum the combined total screening production during the previous 24 hours to verify compliance with the limitation 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 and may be submitted along with the annual emissions inventory (ARM 17.8.749).
  
- 6. Schellinger shall document, by day, the hours of operation of the diesel generator. Schellinger shall total the hours of operation of the diesel generator during the previous 24 hours to verify compliance with the limitation in Section III.A.8. 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 and may be submitted along with the annual emissions inventory (ARM 17.8.749).

Addendum 13 Analysis  
Schellinger Construction Co., Inc.  
Permit #2624-13

I. Permitted Equipment

Schellinger Construction Co., Inc. (Schellinger), operates a portable 1994 Caterpillar diesel generator (1200 Kilowatt (kW)), a 2002 Nordberg cone crusher (maximum capacity 300 tons per hour (TPH)) with an attached 3-deck (6'x16') screen (maximum capacity 300 TPH), a 1998 Nordberg cone crusher (maximum capacity 300 TPH) with an attached 3-deck (6'x16') screen (maximum capacity 300 TPH), and associated equipment.

II. Permit History

On March 20, 1990, Permit #**2624-00** was issued to Schellinger to operate a diesel generator, a screen, a 1976 Pioneer 50 VE portable duplex gravel crusher, and associated equipment. The jaw crusher was limited to a maximum production rate of 200 TPH, and the rolls crusher was limited to a maximum production rate of 200 TPH.

On March 17, 1994, Permit #**2624-01** with **Addendum 1** was issued to allow the crushing plant to operate at the NW $\frac{1}{2}$  of the NE $\frac{1}{4}$  of Section 1, Township 30 North, Range 22 West, in Flathead County, Montana. The location was within the Whitefish PM<sub>10</sub> nonattainment area.

On April 13, 1994, Permit #**2624-02** with **Addendum 2** was issued to allow the crushing plant to operate at the NW $\frac{1}{4}$  of the NW $\frac{1}{4}$  of Section 31, Township 29 North, Range 21 West (NUPAC Pit) and at the NW $\frac{1}{4}$  of the NW $\frac{1}{4}$  of Section 22, Township 29 North, Range 21 West (A-1 Paving's Pit) in Flathead County, Montana, during the winter months (October 1 through March 31). The NUPAC pit is approximately 0.6 kilometers from the Kalispell PM<sub>10</sub> nonattainment area and A-1 Paving's pit is approximately 2.25 kilometers from the Kalispell PM<sub>10</sub> nonattainment area.

On August 7, 1995, Schellinger requested that Permit #2624-02 be modified to allow the crushing plant to continue operation within 10 kilometers of certain PM<sub>10</sub> nonattainment areas, during the winter months (October 1 through March 31). The new conditions and reporting requirements were stated in **Addendum 3** of Permit #**2624-03**.

On August 25, 1996, Permit #**2624-04** with **Addendum 4** was issued to Schellinger, which modified Permit #2624-03 and allowed Schellinger to operate the crushing plant within 10 kilometers of certain PM<sub>10</sub> nonattainment areas during the summer months, and to operate throughout the winter months (October 1996 through March 1997) within 10 kilometers of the Thompson Falls and Kalispell PM<sub>10</sub> nonattainment areas. Also, Permit #2624-04 was updated to reflect the new emission factors used in the emission inventory. As a result of using the new emission factors, the operational limit of 8500 hours per year was removed.

On March 23, 1997, Permit #**2624-05** with **Addendum 5** was issued to Schellinger for the operation of the crushing plant in or within 10 kilometers of certain PM<sub>10</sub> nonattainment areas. The permit allowed the operation of this plant in these areas through September 30, 1997.

On November 12, 1997, Schellinger requested Permit #2624-05 be modified to allow the crushing plant to operate at the NE  $\frac{1}{4}$  of the NE  $\frac{1}{4}$  of Section 26, Township 29 North, Range 22 West in Flathead County until September 30, 1998, and in or within 10 kilometers of any PM<sub>10</sub> nonattainment area from April 1, 1998, through September 30, 1998. It was determined the conditions contained in Permit #2624-05 must be modified, per General Condition I of Permit #2624-05, and controls implemented to limit the impacts of the portable crusher's emissions on the nonattainment area. A SCREEN VIEW Model was completed and demonstrated no significant impacts on the nonattainment area for the operation of the crushing plant at the NE $\frac{1}{4}$  of the NE $\frac{1}{4}$  of

Section 26, Township 29 North, Range 22 West in Flathead County. The new conditions and reporting requirements were stated in **Addendum 6** of Permit **#2624-06**. Permit #2624-06 replaced Permit #2624-05.

On December 19, 1998, Schellinger was issued Permit **#2624-07** with **Addendum 7** to allow the facility to operate at seven different locations in or within 10 kilometers of the Kalispell PM<sub>10</sub> non-attainment area during the winter months. In addition, Permit #2624-07 allowed operation in or within 10 kilometers of the following PM<sub>10</sub> nonattainment areas from April 1, 1999, to September 30, 1999: Libby, Kalispell, Columbia Falls, Whitefish, Thompson Falls, Missoula, and Butte.

On March 16, 1999, Schellinger was issued Permit **#2624-08** with **Addendum 8** to allow the facility to operate at seven different locations in or within 10 kilometers of the Kalispell, Columbia Falls, and Whitefish PM<sub>10</sub> nonattainment areas during the winter months (October 1, 1999, through March 31, 2000). In addition, Permit #2624-08 allowed operation in or within 10 km of the following PM<sub>10</sub> nonattainment areas from April 1, 2000, to September 30, 2000: Libby, Kalispell, Columbia Falls, Whitefish, Thompson Falls, Missoula, and Butte. SCREEN VIEW air dispersion modeling was conducted for the proposed operation in order to determine a production limit that would protect the nonattainment areas. Worst-case modeling results were used to determine a production limit that would protect the existing air quality in or within 10 km of the PM<sub>10</sub> nonattainment areas. Permit #2624-08 replaced Permit #2624-07 and Addendum 8 replaced Addendum 7.

On September 14, 2000, was issued Permit **#2624-09** with **Addendum 9** for a renewal of the addendum in Permit #2624-08 to allow the facility to continue operation at seven different locations in or within 10 kilometers of the Kalispell, Columbia Falls, and Whitefish PM<sub>10</sub> nonattainment areas during the winter months (October 1, 2000, through March 31, 2001). In addition, Permit #2624-08 allowed operation in or within 10 km of the following PM<sub>10</sub> nonattainment areas from April 1, 2001, to September 30, 2001; Libby, Kalispell, Columbia Falls, Whitefish, Thompson Falls, Missoula, and Butte. SCREEN VIEW air dispersion modeling was conducted to determine a production limit that would protect the nonattainment areas. Worst-case modeling results were used to determine a production limit that would protect existing air quality in or within 10 km of the PM<sub>10</sub> nonattainment areas. Based on Schellinger's request, the Department of Environmental Quality (Department) determined that the modeling performed for Permit #2624-08 was still valid. The decisions in this permit are based on that modeling. Permit #2624-09 will replace Permit #2624-08 and Addendum 9 will replace Addendum 8.

On May 8, 2002, Schellinger was issued Permit **#2624-10** with **Addendum 10** to replace a 1976 Pioneer duplex crusher (jaw and rolls) with a 1990 EL-Jay cone crusher (maximum capacity 200 TPH), a 1998 Nordberg cone crusher (maximum capacity 300 TPH), a 1979 Pioneer cone crusher (maximum capacity 200 TPH), a 1994 diesel generator (1200 kW), and associated equipment. Additionally, Schellinger requested to renew their addendum to operate at seven different locations in or within 10 kilometers of the Kalispell, Columbia Falls, and Whitefish PM<sub>10</sub> nonattainment areas during the winter months and in or within 10 km of certain PM<sub>10</sub> nonattainment areas during the summer months. SCREEN VIEW air dispersion modeling was conducted to determine a production limit that would be protective of the nonattainment areas. Worst-case modeling results were used to determine a production limit that would protect existing air quality in or within 10 km of the nonattainment areas. The decisions in this permit are based on that modeling. Permit #2624-10 replaced Permit #2624-09 and Addendum 10 replaced Addendum 9.

On October 5, 2002, was issued a permit to correctly identify the 1979 Pioneer crusher as a jaw and rolls crusher, not a cone crusher, as was originally reported. Additionally, Schellinger requested the addition of a 1998 Nordberg 3-deck screen, a 1990 EL Jay 3-deck screen, and a 1979 Pioneer 4-deck screen to the list of permitted equipment. Furthermore, Schellinger requested to update their

addendum, to incorporate the new equipment, and again be allowed to operate at seven different locations in or within 10 kilometers of the Kalispell, Columbia Falls, and Whitefish PM<sub>10</sub> nonattainment areas during the winter months and in or within 10 km of certain PM<sub>10</sub> nonattainment areas during the summer months. Worst-case modeling results using SCREEN VIEW air dispersion modeling were used to determine a production limit that would protect existing air quality in or within 10 km of the PM<sub>10</sub> nonattainment areas. The decisions in the addendum are based on that modeling. Permit #2624-11 replaces Permit #2624-10 and **Addendum 11** replaces Addendum 10.

On January 15, 2003, Schellinger submitted an administrative amendment request to remove the 1990 EL-Jay cone crusher (maximum capacity 200 TPH) and attached 3-deck (6'x16') screen (maximum capacity 200 TPH) and replace it with a crusher and attached screen with a capacity of up to 300 TPH. This equipment was added as an Administrative Amendment because the facility would be required to keep their production below the production limits previously established in Sections II.A.7 and II.A.8 of Permit #2624-11 and Sections III.A.6 and III.A.7 of Addendum 11, and would not result in an increase in emissions for the facility. Additionally, a request to update the addendum and include the NW¼ of the SE¼ and the NE¼ of the SW¼ of Section 36, Township 30 North, Range 21 West, in Flathead County, Montana as a site in the addendum was also requested. The facility would now be allowed to operate at eight different locations in or within 10 kilometers (km) of the Kalispell, Columbia Falls, and Whitefish PM<sub>10</sub> nonattainment areas during the winter months and in or within 10 km of certain PM<sub>10</sub> nonattainment areas during the summer months. Worst-case Screen View air dispersion modeling results were used to determine a production limit that would protect existing air quality in or within 10 km of the PM<sub>10</sub> nonattainment areas. Permit #2624-12 replaced Permit #2624-11 and **Addendum 12** replaced Addendum 11.

### III. Current Permit Action

On August 13, 2003, Schellinger submitted an administrative amendment request to remove the duplex crushing/screening unit consisting of a 1979 Pioneer jaw crusher (maximum capacity 200 tons per hour (TPH)) with an attached 1979 Pioneer rolls crusher (maximum capacity 200 TPH) and 1979 Pioneer 4-deck (5'x14') screen (maximum capacity 200 TPH), and associated equipment from Permit #2624-12. This permit action would not result in an increase in emissions for the facility, because the facility would be required to keep their production below the production limits previously established. Additionally, the addendum was also updated to reflect the current equipment for the facility. Also, the permit was updated to reflect the current permit language and rule references used by the Department. Permit #2624-13 replaces Permit #2624-12 and **Addendum 13** replaces Addendum 12.

### IV. Applicable Rules and Regulations

The following 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 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.

- B. 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. 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 proof of public notice are sent to the Department;
  2. The source will operate in the new location for a period of less than 1 year; and
  3. The source will not have any significant impact on any nonattainment area or any Class I area.

Schellinger 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 Schellinger from having a significant impact on certain PM<sub>10</sub> nonattainment areas.

V. Emission Inventory

Source	Lbs/Day					
	PM	PM <sub>10</sub>	NO <sub>x</sub>	VOC	CO	SO <sub>x</sub>
2002 Nordberg Cone crusher (up to 300 TPH)	1.77	0.85				
1998 Nordberg Cone crusher (up to 300 TPH)	1.77	0.85				
2002 Nordberg (6'x16') 3-deck screen (up to 300 TPH)	11.15	5.31				
2002 Nordberg (6'x16') 3-deck screen (up to 300 TPH)	11.15	5.31				
Material Transfer	14.37	6.94				
Pile Forming	17.84	8.50				
Bulk Loading	2.97	1.42				
Diesel Generator (up to 1200 KW)	15.26	15.26	523.23	13.95	119.91	44.04
Haul Roads	15.00	6.75				
	91.28	51.19	523.23	13.95	119.91	44.04

- A complete emissions inventory for Permit #2624-13 is on file with the Department. This inventory is based on a SCREEN VIEW modeled process rate of 29.5 TPH.

VI. Existing Air Quality

On July 1, 1987, the Environmental Protection Agency (EPA) promulgated new National Ambient Air Quality Standards (NAAQS) for PM<sub>10</sub>. Due to exceedances of the national standards for PM<sub>10</sub>, 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 PM<sub>10</sub>. As a result of

this designation, the EPA required the Department and the City-County Health Departments to submit PM<sub>10</sub> State Implementation Plans (SIP). 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 PM<sub>10</sub> emissions.

This addendum is for a portable crushing/screening plant to locate at sites in or within 10 km of certain PM<sub>10</sub> nonattainment areas. These areas have air quality that is impaired and operation of the equipment listed in Permit #2624-13 requires more stringent operating conditions (as contained in the Addendum 1) that will minimize any potential impact on the nonattainment areas and will protect the NAAQS. Permit #2624-13 and Addendum 1 would be protective of both the NAAQS and Montana Ambient Air Quality Standards (MAAQS).

## VII. Air Quality Impacts

Permit #2624-13 will cover the operations of this portable crushing/screening plant while operating at those areas, within Montana, classified as being in attainment with federal ambient air quality standards and those areas still undefined (not yet classified). Based on the information provided, and the conditions established in Permit #2624-13, the amount of controlled emissions generated by this facility will not exceed any set ambient air quality standard for operations in these areas.

Addendum 13 to Permit #2624-13 will cover the operations of this portable crushing/screening plant, while operating in or within 10 km of the Kalispell, Columbia Falls, and Whitefish PM<sub>10</sub> nonattainment areas (8 specific sites) during the winter months (October 1 through March 31). Screen View modeling was used to establish production limits while operating at these wintertime locations. Additionally, the facility would also be allowed to operate in or within certain PM<sub>10</sub> nonattainment areas during the summer months (April 1 through September 30). Thus, the limitations and conditions established in Addendum 13 would further reduce emissions in these areas and would be protective of the ambient air quality standards. 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, Montana Code Annotated (MCA), the Department conducted a private property taking and damaging assessment and determined there are no taking or damaging implications.

## IX. Environmental Assessment

An environmental assessment was not required for this permit action because the action is an administrative amendment for the removal of equipment, would not result in an increase in emissions, and no new or altered sources being permitted at this time.

Addendum Analysis Prepared By: Ron Lowney  
Date: September 3, 2003