DEPARTMENT OF ENVIRONMENTAL QUALITY

AIR QUALITY DIVISION

MARC RACICOT, GOVERNOR

STATE OF MONTANA

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RTE.	ACT.	ACC.
EPA-D	cc	12/29
EPA-M	cc	12/29
EQC	cc	12/29
JPS		
KC		
Jeff	FILE	1.2
TECH	ADM	ENF

P-A/C

December 29, 1995

Scott LaFond
Fisher Sand and Gravel
P.O. Box 1034
Dickinson, ND 58602

Dear Mr. LaFond:

Air Quality Permit #2904-00, is deemed final as of December 23, 1995 by the Department of Environmental Quality. This permit is for a portable crusher and associated equipment. All conditions of the department's decision remain the same. Enclosed is a copy of your permit with the final date indicated.

For the department,

for
Jan P. Sensibaugh
Air Quality Program Manager

JPS:tjl

Enclosure

Montana Department of Environmental Quality
Air Quality Division

Air Quality Permit #2904-00

Fisher Sand and Gravel
P.O. Box 1034
Dickinson, North Dakota 58602

December 23, 1995

AIR QUALITY PERMIT

Issued To: Fisher Sand and Gravel
P.O. Box 1034
Dickinson, ND 58602

Permit #2904-00
Application Deemed Complete: 11/17/95
Date Preliminary Determination Issued: 11/21/95
Department Determination Issued: 12/7/95
Permit Final: 12/23/95

An air quality permit with conditions is hereby granted to the above-named permittee, hereinafter referred to as "Fisher," pursuant to Sections 75-2-204 and 211, MCA, as amended, and Administrative Rules of Montana (ARM) Subchapter 11, PERMIT, CONSTRUCTION AND OPERATION OF AIR CONTAMINANT SOURCES, ARM 16.8.1101, *et seq.*, as amended, for the following:

Section I: Permitted Facilities

A. Equipment: A portable 1979 Spokane #130269 impact crusher, serial #175 (maximum production rate 250 tons/hour), and associated equipment.

B. Original Location: Various locations throughout the state of Montana.

Section II: Limitations and Conditions

A. Operational

1. All visible emissions from the 1979 Spokane impact crusher may not exhibit an opacity of 20% or greater averaged over six (6) consecutive minutes (ARM 16.8.1404).

2. Fisher shall not cause or authorize to be discharged into the atmosphere from any other equipment, such as screens and conveyor transfers , any visible emissions that exhibit an opacity of 20% or greater averaged over 6 consecutive minutes (ARM 16.8.1404).

3. Fisher 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. Emissions of airborne particulate matter from any source shall not exhibit an opacity of 20% or greater averaged over six consecutive minutes (ARM 16.8.1404).

4. Fisher 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.3 (ARM 16.8.1103).

5. Water spray bars shall be operated as necessary to maintain compliance with the opacity limitations in Sections II.A.1, and 2 (ARM 16.8.1103).

6. Total hours of operation for the crushing facility listed in Section I.A. are limited to 8500 hours/yr (ARM 16.8.1103).

7. Total particulate emissions from this crusher in conjunction with total particulate emissions from any additional equipment at any individual site shall be less than 250 tons per year (ARM 16.8.953).

B. Reporting Requirements

1. If this crushing plant is moved to another location, a Notice of Intent to Transfer Location of Air Quality Permit shall be published in a newspaper of general circulation in the area to which the transfer is to be made. This notice shall be published at least fifteen (15) days prior to the move. Proof of publication and a change of location form shall be submitted to the Montana Department of Environmental Quality, Air Quality Division (AQD) prior to the move. These forms are available from the AQD (ARM 16.8.1114).

2. Fisher shall maintain on-site records showing daily hours of operation and daily production rates for the last twelve (12) months. These records must be available for inspection by the department and must be submitted to the department upon request (ARM 16.8.1109).

3. Fisher shall retain daily production numbers for a minimum of five (5) years (ARM 16.8.1109).

4. Fisher shall supply the department with annual production information for all emission points, as required by the department, in the annual emission inventory request. The request will include but is not limited to all sources of emissions identified in the emission inventory report and sources identified in Section I.A of this permit.

   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.

C. The department may require testing (ARM 16.8.704).

D. 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. (ARM 16.8.1113).

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, 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 16.8.1101, et seq. (ARM 16.8.1117).

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 who are jointly or severally adversely affected by the department's decision may request, within fifteen (15) days after the department renders its decision, upon affidavit, setting forth the grounds therefor, a hearing before the Board. A hearing shall be held under the provisions of the Montana Administrative Procedures Act. The department's decision on the application is not final unless fifteen (15) days have elapsed and there is no request for a hearing under this section. 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.

F. Permit Inspection - As required by ARM 16.8.1115 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 three 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 75-2-211, MCA, as amended by the 1991 Legislature, the continuing validity of this permit is conditional upon the payment by the permittee of an annual operation fee, as required by that Section and rules adopted thereunder by the Board of Environmental Review.

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.

PERMIT ANALYSIS
Fisher Sand and Gravel
Permit Number 2904-00

I. Introduction/Process Description

A. Permit History

On **November 17, 1995**, Fisher Sand and Gravel (Fisher) submitted a complete permit application to operate a portable 1979 Spokane impact crusher (250 tph), Serial #175 and associated equipment. The facility will operate at various locations throughout the state of Montana.

B. Process Description

Fisher proposes to use this crusher plant and associated equipment to crush and sort sand and gravel materials that will be used in various construction operations.

For a typical operational setup, materials are loaded into a feed bin and conveyed to the crushing unit where they are screened and crushed to size. Oversized materials from the screen are conveyed to the Spokane impact crusher. When the material is small enough to fall through the screen, it is conveyed out to various stockpiles for use.

II. Applicable Rules and Regulations

The following are partial quotations of some applicable rules and regulations which 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 16.8.701 et seq.(Subchapter 7), General Provisions, including, but not limited to:

1. ARM 16.8.701 Definitions. This rule is a list of applicable definitions used in this subchapter, unless indicated otherwise in a specific subchapter.

2. ARM 16.8.704 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 16.8.709 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., MCA.

Fisher 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.

B. ARM 16.801 et seq.(Subchapter 8), Ambient Air Quality, including but not limited to:

1. The following ambient air quality standards or requirements may apply, including, but not limited to:

ARM 16.8.811 Ambient Air Quality Standards for Carbon Monoxide
ARM 16.8.816 Ambient Air Quality Standards for Nitrogen Dioxide
ARM 16.8.818 Ambient Air Quality Standards for Settled Particulate Matter,
ARM 16.8.820 Ambient Air Quality Standards for Sulfur Dioxide
ARM 16.8.821 Ambient Standards for PM-10.

Fisher must comply with the appropriate ambient air quality standards. Reference Section V, Existing Air Quality and Air Quality Impacts.

C. ARM 16.8.901 et seq.(Subchapter 9), Prevention of Significant Deterioration of Air Quality, including but not limited to:

1. ARM 16.8.945 Definitions. This rule is a list of applicable definitions used in this subchapter.

2. ARM 16.8.953 Review of Major Stationary Sources and Major Modification--Source Applicability and Exemptions. The requirements contained in ARM 16.8.954-16.8.962 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 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 or more of any air pollutant.

D. ARM 16.8.1101 et seq.(Subchapter 11) Permit, Construction and Operation of Air Contaminant Sources, including but not limited to:

1. ARM 16.8.1102 When Permit Required-Exclusions. Permits are required for mineral crushers that have the potential to emit greater than 5 tons/year of any pollutant. Fisher has the potential to emit more than 5 tons per year of particulate matter, PM-10, NOx, VOC, and CO; therefore, a permit is required.

2. ARM 16.8.1103 Emission Control Requirements. Fisher is required to install on the new or altered source the maximum air pollution control

capability which is technically practicable and economically feasible. A Best Available Control Technology (BACT) review was conducted for the new or altered source and can be found in Section IV.

3. ARM 16.8.1105 New or Altered Sources and Stacks, Permit Application Requirements. This rule requires that an application for an air quality permit be submitted for a new or altered source or stack. Fisher has submitted their application for an air quality permit as required for the construction and operation of a portable 1979 Spokane impact crusher (250 tons/hour), Serial #175, and associated equipment.

4. ARM 16.8.1107 Public Review of Permit Applications. This rule requires that Fisher notify the public by means of legal publication in a newspaper of general circulation in the area affected by the application of its application for permit. Fisher has submitted an affidavit of publication from The Bozeman Daily Chronicle, The Billings Gazette, and The Great Falls Tribune as proof of compliance with the public notice requirements.

5. ARM 16.8.1109 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 as required for permit issuance. The source has demonstrated compliance with the applicable rules and standards as required for permit issuance.

6. ARM 16.8.1113 Modification of Permit. An air quality permit may be modified for changes in any applicable rules and standards adopted by the board or changed conditions of operation at a source or stack which do not result in an increase in emissions because of the changed conditions of operation. A source may not increase its emissions beyond those found in its permit unless the source applies for and receives another permit.

7. ARM 16.8.1114 Transfer of Permit. An air quality permit may be transferred from one location to another if written notice of intent to transfer is sent to the department.

8. ARM 16.8.1115 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 16.8.1117 Compliance with Other Statutes and Rules. This rule requires the permit holder to comply with all other applicable federal and Montana statutes, rules and standards.

10. ARM 16.8.1118 Waivers. ARM 16.8.1105 requires the permit application be submitted 180 days before construction begins. This rule allows the department to waive this time limit. The department hereby waives this limit.

11. ARM 16.8.1119 General Procedures for Air Quality Preconstruction Permitting. An air quality preconstruction permit shall contain requirements and conditions applicable to both construction and subsequent use.

E. ARM 16.8.1401 et seq.(Subchapter 14) Emission Standards, including but not limited to:

1. ARM 16.8.1401 Particulate Matter-Airborne. This rule requires an opacity limitation of 20% for all fugitive emissions.

2. ARM 16.8.1403 Particulate Matter, Industrial Processes. This rule requires a limitation of particulate emissions be calculated using the process weight rule. Total allowable particulate emissions shall be determined by using the maximum thru-put rates supplied in the permit application.

   $E = 55.0\ P^{0.11} - 40$ Where E = maximum rate of emission in pounds per hour, and P = process weight rate in tons per hour.

3. ARM 16.8.1404 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.

4. ARM 16.8.1423 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. This plant consists of a 1979 Spokane impact crusher, and associated equipment, so NSPS (40 CFR Part 60, Subpart A, General Provisions, and Subpart OOO Non-Metallic Mineral Processing Plants) does not apply to the facility.

F. ARM 16.8.1901 et seq. (Subchapter 19), Air Quality Permit Application, Operation, and Open Burning Fees, including but not limited to:

1. ARM 16.8.1903 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; and the air quality operation fee is based on the actual or estimated actual amount of air pollutants emitted during the previous calendar year.

   The annual assessment and collection of the air quality operation fee, as 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 which pro-rate the required fee amount.

2. ARM 16.8.1905 Air Quality Permit Application Fees Fisher 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. Fisher has submitted the appropriate permit application fee.

III. Emission Inventory Permit 2904-00

	Tons/Year					
Source	TSP	PM-10	NOX	VOC	CO	SOX
1979 Spokane	63.75	21.25				
Diesel Generator (400kW)	5.02	5.02	70.46	5.61	15.22	4.68
Screen	10.63	4.25				
Material Transfer	63.75	25.50				
Pile Forming	42.50	17.00				
Bulk Loading	53.13	21.25				
Haul Roads	2.74	1.23				
Total	241.50	95.50	70.46	5.61	15.22	4.68

1979 Spokane

Process Rate: 250 tons/hr
Hours of operation: 8500 hr/yr
TSP Emissions:

Emission Factor: 0.06 lbs/ton (AP-42, Table 8.23-1, moisture content >4% by weight, pg. 8.23-4, 8/82)
Control Efficiency 0%
Calculations: 0.06 lbs/ton * 250 tons/hr = 15.00 lbs/hr
15.00 lbs/hr * 8500 hr/yr * 0.0005 tons/lb = 63.75 tons/yr
63.75 tons/yr * (1.00 -0.0) = 63.75 tons/yr

PM-10 Emissions:

Emission Factor: 0.02 lbs/ton (AP-42, Table 8.23-1, moisture content >4% by weight, pg. 8.23-4, 8/82)
Control Efficiency 0%
Calculations: 0.020 lbs/ton * 250 tons/hr = 5.00 lbs/hr
5.00 lbs/hr * 8500 hr/yr * 0.0005 tons/lb = 21.25 tons/yr
21.25 tons/yr * (1.00 -0.0) = 21.25 tons/yr

Diesel Generator (400kW)

Hours of operation: 8500 hr/yr
Number of Generators 1 Generator
TSP Emissions

Emission Factor: 1.18 lbs/hr (AP-42, Table 3.3-2)
Calculations: 1.180 lbs/hr * 8500 hr/yr * 0.0005 tons/lb = 5.02 tons/yr

PM-10 Emissions:

Emission Factor: 1.18 lbs/hr (AP-42, Table 3.3-2)
Calculations: 1.180 lbs/hr * 8500 hr/yr * 0.0005 tons/lb = 5.02 tons/yr

NOx Emissions:

Emission Factor: 16.58 lbs/hr (AP-42, Table 3.3-2)
Calculations: 16.58 lbs/hr * 8500 hr/yr * 0.0005 tons/lb = 70.46 tons/yr

VOC Emissions:

Emission Factor: 1.320 lbs/hr (AP-42, Table 3.3-2)
Calculations: 1.320 lbs/hr * 8500 hr/yr * 0.0005 tons/lb = 5.61 tons/yr

CO Emissions:

Emission Factor: 3.58 lbs/hr (AP-42, Table 3.3-2)
Calculations: 3.580 lbs/hr * 8500 hr/yr * 0.0005 tons/lb = 15.22 tons/yr

SOx Emissions:

Emission Factor: 1.1 lbs/hr (AP-42, Table 3.3-2)
Calculations: 1.100 lbs/hr * 8500 hr/yr * 0.0005 tons/lb = 4.68 tons/yr

Screen

Process Rate: 250 tons/hr
Hours of operation: 8500 hr/yr
Number of Screens: 1 Screen

TSP Emissions:

Emission Factor: 0.01 lbs/ton (AP-42, Table 8.23-1, moisture content >4% by weight, pg. 8.23-4, 8/82)
Control Efficiency 0%
Calculations: 0.01 lbs/ton * 250 tons/hr = 2.50 lbs/hr
2.50 lbs/hr * 8500 hr/yr * 0.0005 tons/lb = 10.625 tons/yr
10.63 tons/yr * (1.00 -0.0) = 10.625 tons/yr

PM-10 Emissions:

Emission Factor: 0.004 lbs/ton (AP-42, Table 8.23-1, moisture content >4% by weight, pg. 8.23-4, 8/82)
Control Efficiency 0%
Calculations: 0.004 lbs/ton * 250 tons/hr = 1.00 lbs/hr
1.00 lbs/hr * 8500 hr/yr * 0.0005 tons/lb = 4.25 tons/yr
4.25 tons/yr * (1.00 -0.0) = 4.25 tons/yr

Material Transfer

Process Rate: 250 tons/hr
Number of Transfers 6 Transfers
Hours of operation: 8500 hr/yr

TSP Emissions:

Emission Factor: 0.01 lbs/ton (AP-42, Table 8.23-1, moisture content >4% by weight, pg. 8.23-4, 8/82)
Control Efficiency 0%
Calculations: 0.01 lbs/ton * 250 tons/hr * 6 transfers = 15.00 lbs/hr
15.00 lbs/hr * 8500 hr/yr * 0.0005 tons/lb = 63.75 tons/yr
63.75 tons/yr * (1.00 -0.0) = 63.75 tons/yr

PM-10 Emissions:

Emission Factor: 0.004 lbs/ton (AP-42, Table 8.23-1, moisture content >4% by weight, pg. 8.23-4, 8/82)
Control Efficiency 0%
Calculations: 0.004 lbs/ton * 250 tons/hr * 6 transfers = 6.00 lbs/hr
6.00 lbs/hr * 8500 hr/yr * 0.0005 tons/lb = 25.50 tons/yr
25.50 tons/yr * (1.00 -0.0) = 25.50 tons/yr

Pile Forming

Process Rate: 250 tons/hr
Number of Piles 4 Piles
Hours of operation: 8500 hr/yr

TSP Emissions:

Emission Factor: 0.01 lbs/ton (AP-42, Table 8.23-1, moisture content >4% by weight, pg. 8.23-4, 8/82)
Control Efficiency 0%
Calculations: 0.01 lbs/ton * 250 tons/hr * 4 piles = 10.00 lbs/hr
10.00 lbs/hr * 8500 hr/yr * 0.0005 tons/lb = 42.5 tons/yr
42.50 tons/yr * (1.00 -0.0) = 42.50 tons/yr

PM-10 Emissions:

Emission Factor: 0.004 lbs/ton (AP-42, Table 8.23-1, moisture content >4% by weight, pg. 8.23-4, 8/82)
Control Efficiency 0%
Calculations: 0.004 lbs/ton * 250 tons/hr * 4 piles = 4.00 lbs/hr
4.00 lbs/hr * 8500 hr/yr * 0.0005 tons/lb = 17.00 tons/yr
17.00 tons/yr * (1.00 -0.0) = 17.00 tons/yr

Bulk Loading

Process Rate: 250 tons/hr
Number of Loads 5 Loads
Hours of operation: 8500 hr/yr

TSP Emissions:

Emission Factor: 0.01 lbs/ton (AP-42, Table 8.23-1, moisture content >4% by weight, pg. 8.23-4, 8/82)
Control Efficiency 0%
Calculations: 0.01 lbs/ton * 250 tons/hr * 5 loads = 12.50 lbs/hr
12.50 lbs/hr * 8500 hr/yr * 0.0005 tons/lb = 53.125 tons/yr
53.13 tons/yr * (1.00 -0.0) = 53.13 tons/yr

PM-10 Emissions:

Emission Factor: 0.004 lbs/ton (AP-42, Table 8.23-1, moisture content >4% by weight, pg. 8.23-4, 8/82)
Control Efficiency 0%
Calculations: 0.004 lbs/ton * 250 tons/hr * 5 loads = 5.00 lbs/hr
5.00 lbs/hr * 8500 hr/yr * 0.0005 tons/lb = 21.25 tons/yr
21.25 tons/yr * (1.00 -0.0) = 21.25 tons/yr

Haul Roads

Vehicle miles travelled 5 VMT/day (Estimated)
Control Efficiency: 50% (Watering)

TSP Emission Factor is based on AP-42, Section 11.2.1

TSP Emissions:
TSP Emission Factor (Rated Load Capacity <50 tons) 6 Lbs/VMT

E(TSP)= (5 VMT/day)(6.00 Lbs/VMT)(0.5)
E(TSP)= 15.00 Lbs/day
or 2.74 tons/yr

PM-10 Emission Factor is based on AP-42, Section 11.2.1

PM-10 Emissions:
PM-10 Emission Factor (Rated Load Capacity <50 tons) 2.70 Lbs/VMT

E(PM-10)= (5 VMT/day)(2.70 Lbs/VMT)(0.5)
E(PM-10)= 6.75 Lbs/day
or 1.23 tons/yr

IV. BACT Determination

A Best Available Control Technology (BACT) determination is required for any new or altered source. Fisher shall install on the new or altered source the maximum air pollution control capability which is technically practicable and economically feasible, except that best available control technology shall be utilized.

All visible emissions from the crusher plant are limited to 20% opacity, and all visible emissions from the screens and conveyor belt transfers are limited to 20% opacity. Reasonable precautions must be taken to limit the fugitive emissions of particulate

matter from streets, roads, and parking areas to 20% opacity. Also, the facility is limited to 8500 hours/year. To achieve the permit emission limitations, Fisher shall use water spray bars, and dust suppressant, as necessary to maintain compliance with the opacity and reasonable precautions limitations. The department has determined that using water spray bars and dust suppressant to maintain compliance with the opacity and reasonable precautions limitations, and the hourly limitation constitute BACT for this source.

The control options that have been selected have controls and control costs similar to other recently permitted similar sources and are capable of achieving the appropriate emission standards.

V. Existing Air Quality and Impacts

This permit is for a portable crusher, to be located at various locations throughout the state. In the view of the department, the amount of controlled particulate emissions generated by this project will not cause concentrations of PM-10 in the ambient air that exceed the set standard. In addition, this source is portable and any air quality impacts will be minimal.

VI. Taking or Damaging Implication Analysis

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

VII. Environmental Assessment

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

DEPARTMENT OF ENVIRONMENTAL QUALITY
Air Quality Division
836 Front Street, P.O. Box 200901, Helena, Montana 59620
(406) 444-3454

FINAL ENVIRONMENTAL ASSESSMENT (EA)

Project or Application: Fisher Sand and Gravel Permit #2904-00.

Original Location: Various locations throughout the state of Montana.

Description of Project: This permit is for the operation of a portable 1979 Spokane impact crusher #175 (250 TPH) and associated equipment.

Benefits and Purpose of Proposal: This plant crushes and sorts sand and gravel for use in various construction industries.

Description and analysis of reasonable alternatives whenever alternatives are reasonably available and prudent to consider: No reasonable alternatives available.

A listing and appropriate evaluation of mitigation, stipulations and other controls enforceable by the agency or another government agency: A list of enforceable conditions and a BACT analysis are contained in permit #2904-00.

Description and analysis of regulatory impacts on private property rights: The department has considered alternatives to the conditions imposed in this permit as part of the permit development. The department has determined that the permit conditions are reasonably necessary to ensure compliance with applicable requirements and demonstrate compliance with those requirements and do not unduly restrict private property rights.

Potential Impact on Physical Environment

		Major	Moderate	Minor	None	Unknown	Comments Attached
1	Terrestrial and Aquatic Life and Habitats			X			
2	Water Quality, Quantity and Distribution			X			
3	Geology and Soil Quality, Stability and Moisture			X			
4	Vegetation Cover, Quantity and Quality			X			
5	Aesthetics			X			
6	Air Quality			X			
7	Unique Endangered, Fragile or Limited Environmental Resource					X	
8	Demands on Environmental Resource of Water, Air and Energy			X			
9	Historical and Archaeological Sites					X	
10	Cumulative and Secondary Impacts			X			

Potential Impact on Human Environment

		Major	Moderate	Minor	None	Unknown	Comments Attached
1	Social Structures and Mores				X		
2	Cultural Uniqueness and Diversity				X		
3	Local and State Tax Base and Tax Revenue			X			
4	Agricultural or Industrial Production			X			
5	Human Health			X			
6	Access to and Quality of Recreational and Wilderness Activities			X			
7	Quantity and Distribution of Employment			X			
8	Distribution of Population			X			
9	Demands for Government Services			X			
10	Industrial and Commercial Activity			X			
11	Locally Adopted Environmental Plans and Goals			X			
12	Cumulative and Secondary Impacts			X			

Recommendation: No EIS is required.

If an EIS is needed, and if appropriate, explain the reasons for preparing the EA:

If an EIS is not required, explain why the EA is an appropriate level of analysis: This plant is a portable source and any impacts will be minimal. In addition, the controls contained in permit #2904-00 will further limit the emissions.

Other groups or agencies contacted or which may have overlapping jurisdiction: Department of Environmental Quality, Reclamation Division.

Individuals or groups contributing to this EA: Department of Environmental Quality, Air Quality Division.

EA prepared by: Jeff Bellino

Date: November 15, 1995