

DEPARTMENT OF
HEALTH AND ENVIRONMENTAL SCIENCES

AIR QUALITY BUREAU



STAN STEPHENS, GOVERNOR

COGSWELL BUILDING

STATE OF MONTANA

FAX # (406) 444-2606

HELENA, MONTANA 59620

(406) 444-3454

April 26, 1990

DATE	ACT.	ACC.
DC		4/26
AL		4/26/90
CH		4-27
EPA	cc	4/26
EQC	cc	4/26
	FILE	
TECH	ADM	ENF

Ramaker-Swanson, Inc.
P. O. Box 760
Choteau, MT 59422

Attention: Jim Ramaker

Your air quality permit application received in this office on March 23, 1990, for a 1980 El Jay 1213 Portable 45" Cone Crusher #42C0380, is approved. The application was given permit number 2631.

Conditions: See attached.

For the department,

Jeffrey T. Chaffee, P.E.
Chief, Air Quality Bureau

JTC:kmj

Enclosure

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PRELIMINARY DETERMINATION
ON PERMIT APPLICATION

Date of Mailing: April 11, 1990

Name of Applicant: Ramaker-Swanson, Inc.

Source: 1980 El Jay 1213 Portable 45" Cone Crusher #42C0380

Proposed Action: The department proposes to issue a permit, with conditions, to the above-named applicant. The application was deemed complete and filed on April 11, 1990 and assigned permit application number 2631.

Proposed Conditions: See attached.

Public Comment: Any member of the public desiring to comment must submit such comments in writing to the bureau at the above address. Comments may address the bureau analysis and determination, and information submitted by the application. In order to be considered, the comments must be received within 15 days of this notice, which is April 26, 1990. Copies of the application and the bureau's analysis may be inspected at the bureau office in Helena. For more information you may contact the bureau at 444-3454.

Final Action: A final decision must be made within 60 days of filing, which is June 10, 1990. The department intends to make a final decision on the application on April 26, 1990. A copy of the final action may be obtained at the above address.

Procedures for Appeal: Any person jointly or severally adversely affected by the final action may request a hearing before the Montana Board of Health and Environmental Sciences. Any appeal must be filed within 15 days after the department renders its final decision. The request for hearing shall contain an affidavit setting forth the grounds for the request. Any hearing will be held under the provisions of the Montana Administrative Procedures Act. Submit requests for hearing in triplicate to: Chairman, Board of Health and Environmental Sciences, Cogswell Building, Helena, Montana 59620.

For the department,

Jeffrey T. Chaffee, P.E., Chief
Air Quality Bureau

PERMIT CONDITIONS

Ramaker-Swanson, Inc.
Permit Number 2631

1. If this crushing plant is moved to another location, a Notice of Intent to Transfer Location of Air Quality Permit must be published in a newspaper of general circulation in the area to which the transfer is to be made. This notice must be published at least 15 days prior to the move. Proof of publication and a change of location form must be submitted to the Montana Department of Health and Environmental Sciences, Air Quality Bureau (AQB), prior to the move. These forms are available from the AQB.
2. The AQB 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.
3. All visible emissions from the crusher are limited to 20% opacity. All visible emissions from other equipment such as screens or transfer points are limited to 20% opacity.
4. Dust suppressant is required on all haul roads and work areas as necessary (if fugitive emissions are greater than 20% opacity).
5. Water spray bars are required as necessary, if fugitive emissions are greater than 20% opacity, or if the crusher production exceeds 225 tons/hour.
6. Crusher emissions are limited to 63 lbs/hour.
7. Crusher production is limited to 300 tons/hour.
8. Crusher operation is limited to 7900 hrs/year (computed on a 12-month running year).
9. The operator shall maintain on-site records showing daily hours of operation and daily production rates for the last 12 months. These records shall be available for inspection by the AQB and will be submitted to the AQB upon request.
10. Recipient shall comply with all general conditions noted on attached page.

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, 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

Specific listing of requirements, limitations, and conditions contained herein does not relieve the applicant from compliance with all applicable statutes and administrative regulations including amendments thereto, nor waive the right of the department to require compliance with all applicable statutes and administrative regulations, including amendments thereto.

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, 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 therefore, 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. Application Data

Information submitted on behalf of an air quality permit application is hereby incorporated as a condition of that permit including commencement and completion dates of construction.

G. 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 air quality personnel at the location of the permitted source.

PERMIT ANALYSIS

Ramaker-Swanson, Inc.
Permit Number 2631

A. Permitted Equipment: 1980 El Jay 1213 Portable 45" Cone Crusher
#42C0380

B. Estimated Emissions (per AP-42 8.19.2):

$0.28 \text{ lb/ton} \times 300 \text{ tons/hr} = 84 \text{ lbs/hr.}$

$84 \text{ lbs/hr} \times 50\% \text{ control} = 42 \text{ lbs/hr.}$ (Assume 50% control from water spray bars.)

$84 \text{ lb/hr} \times 7900 \text{ hr/yr}/2000 \times 50\% \text{ control} = 167 \text{ ton/yr}$

C. Applicable Rules:

16.8 Subchapter 9 Prevention of Significant Deterioration (PSD)

16.8.921 Definitions

Potential emissions are <250 tons/yr, mineral crushers are not a listed source: PSD does not apply.

16.8 Subchapter 11 Permit, Construction and Operation of Air Contaminant Sources

16.8.1102 When Permit Required

Permits are required for mineral crushers that have the potential to emit greater than 5 tons/year of any pollutant. A permit is therefore required.

16.8.1103 Emission Controls

Best Available Control Technology (BACT) is required. The AQB has determined that the conditions imposed on this plant constitute BACT in this case.

16.8.1105 New or Altered Sources and Stacks, Permit Application Requirements

Proof of compliance with the public notice requirement was submitted.

16.8.1115 Inspection of Permit

A copy of this permit must be maintained on-site and be made available for inspection by AQB personnel on request.

16.8.1117 Compliance with Other Statutes and Rules

The holder of this permit must comply with all other applicable state, federal and local laws and regulations.

16.8.1118 Waivers

ARM 16.8.1105 requires that the permit application be submitted 180 days before construction or operation begins. This section allows the AQB to waive this time limit. The AQB hereby waives the time limit in this case.

16.8 Subchapter 14 Emission Standards

16.8.1401 Particulate Matter - Airborne

An opacity limitation of 20% is required for fugitive sources. Dust suppressant is therefore required as necessary on all haul roads and work areas.

16.8.1403 Particulate Matter Industrial Process

Allowable Emissions = $55 (300 \text{ tons/hr}) \cdot 11^{-1} - 40 = 63 \text{ lbs/hr}$.

Source is in compliance.

16.8.1404 Visible Air Contaminants

All visible stack emissions limited to 20% opacity.

16.8.1423 Standards of Performance for New Stationary Sources (NSPS)

This plant was constructed in 1980 so NSPS (40 CFR Part 60, general provisions, and Subpart 000 Non-Metallic Mineral Processing Plants) does not apply.

DEPARTMENT OF HEALTH AND ENVIRONMENTAL SCIENCES
Cogswell Building, Helena, Montana 59620
(406)444-3946

ENVIRONMENTAL ASSESSMENT (EA)

Division/Bureau Environmental Sciences/Air Quality

Project or Application Ramaker-Swanson, Inc., Permit #2631

Description of Project Portable Gravel Crusher

Benefits and Purpose of Proposal Crushes gravel for construction,
repair and maintenance of roads.

POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

MAJOR MODERATE MINOR NONE UNKNOWN COMMENTS ON ATTACHED PAGES

1. TERRESTRIAL AND AQUATIC LIFE AND HABITATS
2. WATER QUALITY, QUANTITY AND DISTRIBUTION
3. GEOLOGY AND SOIL QUALITY, STABILITY AND MOISTURE
4. VEGETATION COVER, QUANTITY AND QUALITY
5. AESTHETICS
6. AIR QUALITY
7. UNIQUE ENDANGERED, FRAGILE OR LIMITED ENVIRONMENTAL RESOURCE
8. DEMANDS ON ENVIRONMENTAL RESOURCE OF WATER, AIR AND ENERGY
9. HISTORICAL AND ARCHAEOLOGICAL SITES

1.			X			
2.			X			
3.			X			
4.			X			
5.			X			
6.			X			
7.					X	
8.			X			
9.					X	

CUMULATIVE AND SECONDARY IMPACTS _____

POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

MAJOR MODERATE MINOR NONE UNKNOWN COMMENTS ON ATTACHED PAGES

1. SOCIAL STRUCTURES AND MORE
2. CULTURAL UNIQUENESS AND DIVERSITY
3. LOCAL AND STATE TAX BASE AND TAX REVENUE
4. AGRICULTURAL OR INDUSTRIAL PRODUCTION
5. HUMAN HEALTH
6. ACCESS TO AND QUALITY OF RECREATIONAL & WILDERNESS ACTIVITIES
7. QUANTITY AND DISTRIBUTION OF EMPLOYMENT
8. DISTRIBUTION OF POPULATION
9. DEMANDS FOR GOVERNMENTAL SERVICES
10. INDUSTRIAL AND COMMERCIAL ACTIVITY
11. LOCALLY ADOPTED ENVIRONMENTAL PLANS AND GOALS

1.				X		
2.				X		
3.			X			
4.			X			
5.			X			
6.			X			
7.			X			
8.			X			
9.			X			
10.			X			
11.			X			

CUMULATIVE AND SECONDARY IMPACTS _____

Description and analysis of reasonable alternatives whenever alternatives are reasonably available and prudent to consider

A listing and appropriate evaluation of mitigation, stipulations and other controls enforceable by the agency or another government agency Enforceable conditions contained in permit #2631.

Recommendation An EIS is not 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 The source is temporary and all impacts are minimal.

Other groups or agencies contacted or which may have overlapping jurisdiction None

Individuals or groups contributing to this EA None

EA prepared by: Charles Homer

Date: 4-11-90