

ENVIRONMENTAL ASSESSMENT

I. POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

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 Resources of Water, Air and Energy
9. Historical and Archaeological Sites

	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 Resources of Water, Air and Energy			X			
9. Historical and Archaeological Sites					X	

Cumulative and Secondary Impacts

MINOR

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AUG 17 1998

II. POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

1. Social Structures and Mores
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 and 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

	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 Governmental Services			X			
10. Industrial and Commercial Activity				X		
11. Locally Adopted Environmental Plans and Goals					X	

Cumulative and Secondary Impacts

MINOR

I. POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

1. Terrestrial and Aquatic life and Habitats
2. Water Quality, Quantity and Distribution
3. Geology and Soil Quality Stability and Moisture
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7. Unique Endangered, Fragile or Limited Environmental Resource
8. Demands on Environmental Resources of Water, Air and Energy
9. Historical and Archaeological Sites

Major	Moderate	Minor	None	Unknown	Comments Attached
		X			
		X			
		X			
		X			
		X			
			X		
		X			
				X	

Cumulative and Secondary Impacts

MINOR

RECEIVED

AUG 14 1998

II. POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

1. Social Structures and Mores
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9. Demands for Governmental Services
10. Industrial and Commercial Activity
11. Locally Adopted Environmental Plans and Goals

Major	Moderate	Minor	None	Unknown	Comments Attached
				X	
				X	
				X	
				X	
		X			
			X		
			X		
			X		
		X			
			X		
				X	

Cumulative and Secondary Impacts

MINOR

ENVIRONMENTAL
QUALITY COUNCIL

Montana Department of Environmental Quality/
Local Government Joint Application Form

No. _____

PART I. GENERAL DESCRIPTION AND INFORMATION

(Please type or print all information)

1. Name of proposed development HAYSTACK MOUNTAIN HOMESITES
2. Location (City and/or County) POLSON LAKE
Legal description: SE 1/4 SE 1/4 of Section 32 Township 32 Range 19
3. Is concurrent review by the local governing body and DEQ requested?
Yes _____ No _____
4. Type of water supply system: Individual or shared well Individual cistern _____
Individual surface water supply or spring _____ Multiple-family water supply system (3-14 connections and fewer than 25 people) _____
Service connection to multiple-family system _____
Service connection to public system _____ Extension of public main _____ New public system _____
EQ # 99-1069
5. Type of wastewater treatment system: Individual or shared on-site septic system
Multiple-family on-site system (3-14 connections and fewer than 25 people) _____ Service connection to multiple-family system _____
Service connection to public system _____
Extension of public main _____ New public system _____
6. Name of solid waste (garbage) disposal site LAKE COUNTY - LANDFILL
7. Is information included which substantiates that there will be no degradation of state waters or that degradation will be nonsignificant? _____
If not, have you enclosed an Application to Degrade? _____
RECEIVED
JUL 17 1998
MT. DEPT. OF ENV. QUALITY
4 reviewed PERMITTING & COMPLIANCE DIV
8. Descriptive Data:
 - a. Number of lots or rental spaces 5
 - b. Total acreage in lots being reviewed 40
 - c. Total acreage in streets or roads _____
 - d. Total acreage in parks, open space, and/or common facilities _____
 - e. TOTAL gross acreage of subdivision 40
 - f. Minimum size of lots or spaces 5
 - g. Maximum size of lots or spaces 20

9. Indicate the proposed use(s) and number of lots or spaces in each:

- Residential, single family
- _____ Residential, multiple family
- _____ Types of multiple family structures and numbers of each (e.g. duplex)
- _____ Planned Unit Development (No. of units _____)
- _____ Condominium (No. of units _____)
- _____ Mobile home park _____ Recreational vehicle park
- _____ Commercial or industrial
- _____ Other (please describe)

PAID \$60.00 6199
7-29-98

PAID \$550.00 6194
7-15-98



I. POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

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 Resources of Water, Air and Energy
9. Historical and Archaeological Sites

	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 Resources of Water, Air and Energy			X			
9. Historical and Archaeological Sites					X	

Cumulative and Secondary Impacts

MINOR

RECEIVED

AUG 14 1998

II. POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

ENVIRONMENTAL QUALITY

1. Social Structures and Mores
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 and 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

	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 Governmental Services			X			
10. Industrial and Commercial Activity				X		
11. Locally Adopted Environmental Plans and Goals					X	

Cumulative and Secondary Impacts

MINOR

RECEIVED

SUB 2

NOV 21 1996 Experimental

MINOR SUBDIVISIONS
1 to 5 Lots or Parcels

MONTANA
DEPT. OF ENVIRONMENTAL
WATER QUALITY DIVIS.

System
Sanders Co
Not contract

This application form is to be used for minor subdivisions. It may also be used for mobile home parks, recreational vehicle parks and condominiums of 1 to 5 spaces or units.

1. Name of submittal/subdivision Minor Subdivision

2. Name and address of record owner of land proposed for division and sanitary restriction removal:

Jesse and Hilda Frampton
(Name)

P.O. Box 1526/158 Klakken Rd., Noxon, MT. 59853-9703
(Street/Box No.) (City) (State) (Zip Code) (Phone No.)

60 day File
Don't have to
use their app

3. If someone other than the owner of record is to receive correspondence and the approval, please provide name and address of applicant's representative.

Carstens Surveying E.G. #97-1860
(Name)

P.O. Box 1569 Thompson falls, MT 59873 406-827-3003
(Street/Box No.) (City) (State) (Zip Code) (Phone No.)

4. Location of subdivision: Noxon City Sanders County

Legal description: 1/4 Ex 1/2 of Section 30 Township 26N Range 32W

5. Number of lots less than 20 acres 1. Acreage of these lots 10.10 Acres

a.) If remainder is not reviewed, what is the acreage? 139.06

6. Type of development proposed: Single-family residence . Commercial . Industrial . Multiple-family rental (no. or units). Condominium or Townhouse (no. of units).

7. Type of wastewater treatment system: Individual or shared on-site septic system x. Multiple-family on-site system (3-9) . Service connection to multiple-family system . Service connection to public system . Extension of public main .

8. Type of water supply system: Individual or shared well x. Individual cistern . Individual surface water supply or spring . Multiple-family water supply system (3-9) . Service connection to multiple-family system . Service connection to public system . Extension of public main .

9. Name of solid waste (garbage) disposal site Plains Roll-Off

10. If this subdivision is not exempt from the Subdivision and Platting Act, have local planning or zoning officials been consulted? Yes
Are the conditions of approval from the County Commission included? Yes

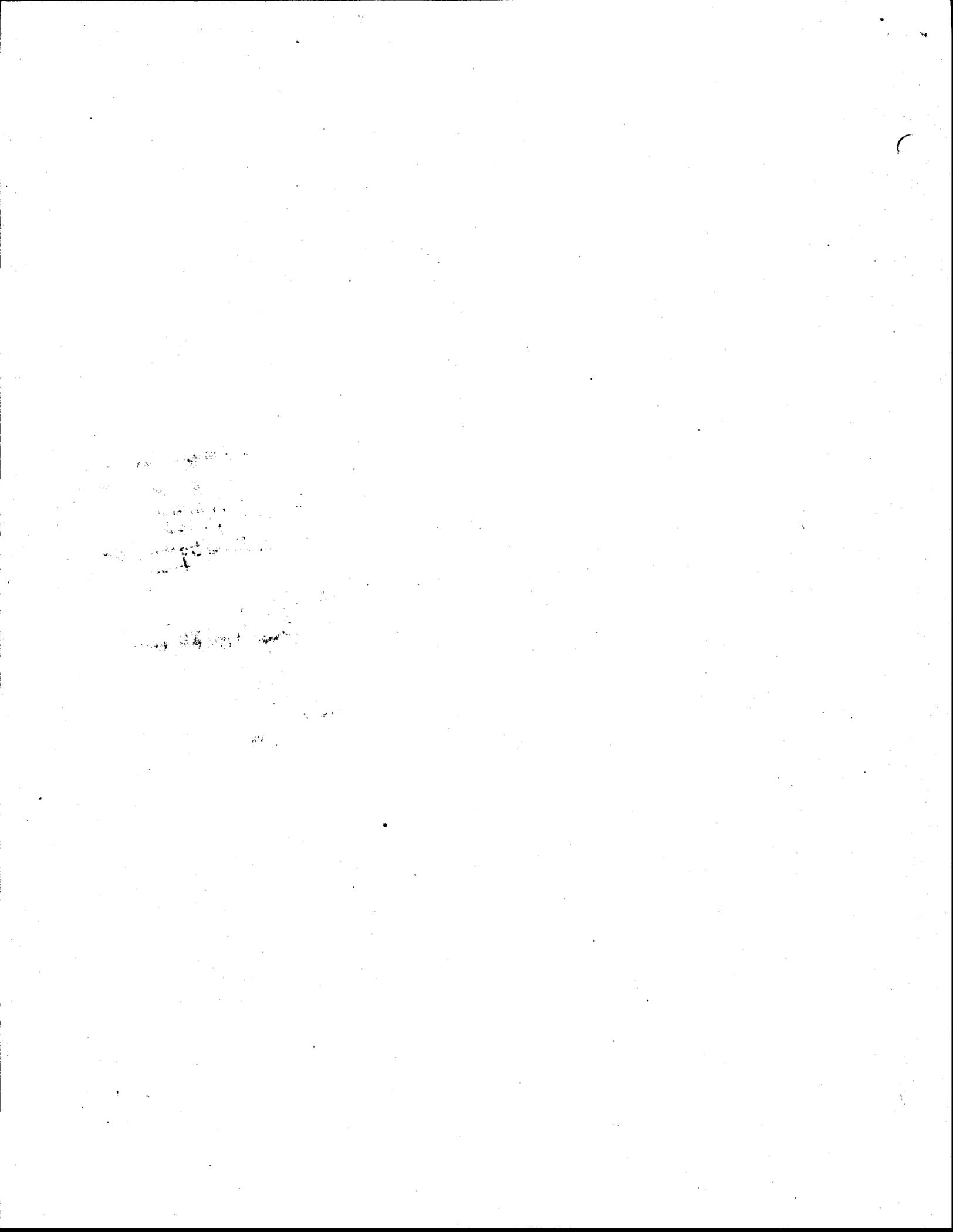
11. Is information included which substantiates that there will be no degradation of state waters or that degradation will be non-significant?
Yes

If not, have you enclosed an Application to Degrade?

RECEIVED

525
\$120.00 6107
211-21-96 KW

DEC 03 1996



I. POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

Flathead

Major Moderate Minor None Unknown Comments Attached

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 Resources of Water, Air and Energy
9. Historical and Archaeological Sites

	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 Resources of Water, Air and Energy			X			
9. Historical and Archaeological Sites					X	

Cumulative and Secondary Impacts

Minor

RECEIVED

AUG 17 1998

II. POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

1. Social Structures and Mores
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 and 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

	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 Governmental Services			X			
10. Industrial and Commercial Activity			X			
11. Locally Adopted Environmental Plans and Goals					X	

Cumulative and Secondary Impacts

Minor

RECEIVED

JUL 20 1998

MT. DEPT. OF ENV. QUALITY
PERMITTING & COMPLIANCE DIV

Montana Department of Environmental Quality/
Local Government Joint Application Form

No. _____

PART I. GENERAL DESCRIPTION AND INFORMATION

(Please type or print all information)

1. Name of proposed development Burch B.L.A.

2. Location (City and/or County) FLASHHEAD

Legal description: 1/4 SE 1/4 of Section 27 Township 29N Range 20W

3. Is concurrent review by the local governing body and DEQ requested?
Yes _____ No X

4. Type of water supply system: ~~Individual~~ or shared well X Individual cistern _____
Individual surface water supply or spring _____ Multiple-family water supply system (3-14 connections and fewer than 25 people) _____
Service connection to multiple-family system _____
Service connection to public system _____ Extension of public main _____ New public system _____

5. Type of wastewater treatment system: ~~Individual~~ or shared on-site septic system 99-1094 X
Multiple-family on-site system (3-14 connections and fewer than 25 people) _____ Service connection to multiple-family system _____
Service connection to public system _____
Extension of public main _____ New public system _____

6. Name of solid waste (garbage) disposal site Flashhead Co.

7. Is information included which substantiates that there will be no degradation of state waters or that degradation will be nonsignificant? N/A (Existing)
If not, have you enclosed an Application to Degrade? NO

8. Descriptive Data:
a. Number of lots or rental spaces 241 REVIEWED
b. Total acreage in lots being reviewed 14.250
c. Total acreage in streets or roads N/A
d. Total acreage in parks open space, and/or common facilities N/A
e. TOTAL gross acreage of subdivision 14.250
f. Minimum size of lots or spaces 5.000
g. Maximum size of lots or spaces 9.250

9. Indicate the proposed use(s) and number of lots or spaces in each:
X Residential, single family
_____ Residential, multiple family
_____ Types of multiple family structures and numbers of each (e.g. duplex)
_____ Planned Unit Development (No. of units _____)
_____ Condominium (No. of units _____)
_____ Mobile home park _____ Recreational vehicle park
_____ Commercial or industrial
_____ Other (please describe) _____

1000.00 1250
7-20-98 54

DEPARTMENT OF ENVIRONMENTAL QUALITY
PERMITTING AND COMPLIANCE DIVISION

METCALF BUILDING
1520 6TH AVENUE

MARC RACICOT, GOVERNOR



STATE OF MONTANA

(406)444-4323
FAX (406)444-1374

July 28, 1998

PO BOX 200901
HELENA, MONTANA 59620-0901

Environmental Quality Council
Room 432
State Capitol
Helena, MT 59620

RE: Canyon Ferry Crossing Subdivision
Lewis and Clark County
E.Q. #

RECEIVED

AUG 17 1998

Dear Sir/Madam:

Enclosed please find an Environmental Assessment (EA) completed by this Program for the above referenced subdivision. Due to the minimal impacts anticipated from this proposal, this EA has not been circulated to all departments for comment, but has only been forwarded to yourselves and copied to the below.

If you have any questions or comments on the above or I can be of further assistance, please feel free to call me at 444-2825.

Sincerely,

A handwritten signature in cursive script that reads "Deanne Fischer".

Deanne L. Fischer, P.E.
Subdivision Section
Permitting and Compliance Division

cc: Lewis and Clark County Health Department
Canyon Ferry Crossing, LLC
Stahly Engineering and Associates
file

DEPARTMENT OF ENVIRONMENTAL QUALITY
Metcalf Building, Helena, Montana 59620
(406)444-4323

ENVIRONMENTAL ASSESSMENT (EA)

Division/Bureau Department of Environmental Quality, Permitting and Compliance Division

Project or Application Canyon Ferry Crossing, Lewis and Clark County

Location A tract of land in the south half and the southwest quarter of the northwest quarter of Section 2, the northwest quarter of the northeast quarter of Section 2, and the southwest quarter of the southwest quarter of Section 1 Township 10 north, Range 1 west, Principal Meridian, Montana, Lewis and Clark County, Montana

Description of Project This project is a 45 lot major subdivision in Lewis and Clark County, located between Cave Gulch and Magpie Gulch at the north end and east shore of Canyon Ferry Reservoir.

Water Supply The subdivision is to be supplied with water service through individual on-site wells for Lots 2 through 45 and through a non-community transient public well on Lot 1.

Sewage Treatment System The subdivision is to be supplied with sewer service through on-site individual sewage treatment systems for Lots 2 through 45, and through a non-community transient public sewage treatment system on Lot 1.

Storm Water Drainage Storm water will be directed along the sides of the roads with ditches and directed to the natural drainages on site. Culvers shall be used for the storm water to move under the roads in strategic locations. An additional detention pond will be constructed at the east end of Lot 30.

Benefits and Purpose of Proposal This proposal will develop a 131.87 acre parcel into 44 residential lots and 1 commercial lot.

Special Circumstances None.

Canyon Ferry Crossing Subdivision
Lewis and Clark County

POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

1. TERRESTRIAL AND AQUATIC LIFE AND HABITATS Minor
2. WATER QUALITY, QUANTITY AND DISTRIBUTION Minor
3. GEOLOGY AND SOIL QUALITY, STABILITY AND MOISTURE Minor
4. VEGETATION COVER, QUANTITY AND QUALITY Minor
5. AESTHETICS Minor
6. AIR QUALITY Minor
7. UNIQUE ENDANGERED, FRAGILE OR LIMITED ENVIRONMENTAL RESOURCE
Unknown. No such resources were identified or are expected.
8. DEMANDS ON ENVIRONMENTAL RESOURCE OF WATER, AIR AND ENERGY Minor
9. HISTORICAL AND ARCHAEOLOGICAL SITES Unknown. No such resources were identified or are expected.

CUMULATIVE AND SECONDARY IMPACTS

POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

1. SOCIAL STRUCTURES AND MORES Minor
2. CULTURAL UNIQUENESS AND DIVERSITY Minor
3. LOCAL AND STATE TAX BASE AND TAX REVENUE Minor
4. AGRICULTURAL OR INDUSTRIAL PRODUCTION Minor
5. HUMAN HEALTH Minor
6. ACCESS TO AND QUALITY OF RECREATIONAL & WILDERNESS ACTIVITIES Minor
7. QUANTITY AND DISTRIBUTION OF EMPLOYMENT Minor
8. DISTRIBUTION OF POPULATION Minor
9. DEMANDS FOR GOVERNMENTAL SERVICES Minor
10. INDUSTRIAL AND COMMERCIAL ACTIVITY Minor
11. LOCALLY ADOPTED ENVIRONMENTAL PLANS AND GOALS Unknown. No such plans or goals were identified by the local review authority.

CUMULATIVE AND SECONDARY IMPACTS

Regulatory Impact Analysis

The Sanitation in Subdivisions Act imposes regulatory restrictions on this subdivision which require department review and approval of designs for water supply, wastewater treatment, storm water and solid waste disposal systems. Private property may not be developed for activities that require water supply or wastewater disposal until approval is issued by the Department of Environmental Quality. The impact on this private property is that the systems must be constructed at a cost to the applicant, and that several limitations may be imposed regarding the number of lots which may be created, treatment technologies which may be considered, and/or locations of buildings and sanitary facilities. These requirements have been established to protect public health and water quality.

Alternatives/Rationale:

The systems were proposed by the applicant in the initial application. The department accepts the systems proposed by the applicant as the most economically feasible approach.

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

One reasonable alternative for this subdivision could be to reduce the number of lots and allow for park/recreation space.

Another alternative is to leave the parcel undeveloped.

A listing and appropriate evaluation of mitigation, stipulations and other controls enforceable by the agency or another government agency

None

Recommendation

No EIS is recommended for this subdivision.

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

N/A

If an EIS is not required, explain why the EA is an appropriate level of analysis

The potential for impacts are considered minor.

Other groups or agencies contacted or which may have overlapping jurisdiction

None were contacted

Jurisdiction includes local government and health department

Individuals or groups contributing to this EA

Subdivision Section, Water Protection Bureau, Permitting and Compliance Division

EA prepared by: Deanne L. Fischer, P.E.

Date: July 21, 1998

SUB 1

Montana Department of Health and Environmental Sciences/
Local Government Joint Application Form

No. _____

PART I. GENERAL DESCRIPTION AND INFORMATION

- 1. Name of proposed development: **CANYON FERRY CROSSING**
- 2. Name, address and telephone number of landowner, and representative, if any (e.g., engineer, surveyor). **E Q. #98-2408**

LANDOWNER AND DEVELOPER: **CANYON FERRY CROSSING, LLC**
Peter Kloepfer, Manager
1660 Lincoln Street, Suite 2900
Denver, Colorado 80264
303-861-4154 (Work)

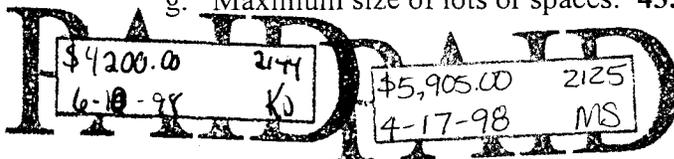
ENGINEER: **Stahly Engineering & Associates**
2687 Airport Road
Helena, MT 59601
406-442-8594

- 3. Location (City and/or County): **Canyon Ferry, Lewis & Clark County**
 Legal description: **E1/2, Section 2, NW 1/2, Section 1, and a small portion of the NE 1/4 of Section 11, in T10N, R1W**

- 4. Is concurrent review by the local governing body and DHES requested?
 Yes No

- 5. Type of sewage treatment system: **Individual Septic Systems**
- 6. Type of water system: **Individual wells**
- 7. Name of solid waste (garbage) site: **Site E Landfill/City County Sanitation**

- 8. Descriptive Data:
 - a. Number of lots or rental spaces: **108**
 - b. Total acreage in spaces: **491 Acres**
 - c. Total acreage in streets or road right of way: **37 Acres**
 - d. Total acreage in parks, open space, and/or common facilities: **44.3 Acres**
 - e. Total gross acreage of subdivision: **561 Acres**
 - f. Minimum size of lots or spaces: **1.01 Acres**
 - g. Maximum size of lots or spaces: **43.44 Acres**



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APR 17 1998

MT. DEPT. OF ENV. QUALITY
PERMITTING & COMPLIANCE DIV.

DEPARTMENT OF ENVIRONMENTAL QUALITY

PERMITTING AND COMPLIANCE DIVISION

Air and Waste Management Bureau



MARC RACICOT, GOVERNOR

(406) 444-3490
FAX (406) 444-1499

STATE OF MONTANA

OFFICE: METCALF BUILDING
ADDRESS: 1520 E 6TH AVENUE

PO BOX 200901
HELENA, MONTANA 59620-0901

August 19, 1998

Pam Schlecht
John Schlecht Excavating
1400 Summerdale Road
Corvallis, Montana 59828

RECEIVED

AUG 21 1998

**ENVIRONMENTAL
QUALITY COUNCIL**

Dear Ms. Schlecht:

Air Quality Permit #3015-00 is deemed final as of August 19, 1998, by the Department of Environmental Quality. This permit is for a portable asphalt plant and associated equipment. All conditions of the department's decision remain the same. Enclosed is a copy of your permit with the final date indicated.

For the department,

Handwritten signature of Richard Knatterud in cursive.

Richard Knatterud
Air Permitting Section Supervisor

RK:bjd

Enclosure

SECRET
NOV 19 1954
U.S. DEPARTMENT OF THE ARMY
WASHINGTON, D.C.

IV. BACT Determination

A Best Available Control Technology (BACT) determination is required for any new or altered source. Schlecht Excavating shall install on the new or altered source the maximum air pollution control capability which is technologically practicable and economically feasible, except that Best Available Control Technology shall be used.

All visible emissions from the 1960 Stansteel portable asphalt batch plant are limited to 20% opacity. All asphalt plant particulate matter emissions are limited to 0.10 gr/dscf. Schlecht Excavating must take reasonable precautions to limit the fugitive emissions of particulate matter from the haul roads, access roads, parking areas, and general plant property. The department has determined that maintaining compliance with the particulate limit and the opacity requirements will constitute BACT for the asphalt plant.

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. Air Quality Impacts

This permit is for a portable asphalt plant to be located in Section 19, Township 7 North, Range 20 West in Ravalli County, Montana. In the view of the department, the amount of controlled particulate emissions generated by this asphalt plant will not cause concentrations of PM-10 in the ambient air that exceed the set standard. In addition, permit #3015-00 includes particulate and opacity limitations that will further protect the ambient standards.

VI. Taking or Damaging Implication Analysis

As required by 2-10-101 through 2-10-105, 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 Policy Act, was completed for this project. A copy is attached.

DEPARTMENT OF ENVIRONMENTAL QUALITY
Permitting and Compliance Division
Air and Waste Management Bureau
P.O. Box 200901, Helena, Montana 59620
(406) 444-3490

FINAL ENVIRONMENTAL ASSESSMENT (EA)

Issued For: John Schlecht Excavating
1400 Summerdale Road
Corvallis, MT 59828

Air Quality Permit Number: 3015-00

Preliminary Determination on Permit Issued: 07/17/98
Department Decision Issued: 08/03/98
Final Permit Issued: 08/19/98

Montana Environmental Policy Act (MEPA) Compliance: An environmental assessment required by MEPA, was completed for this project as follows.

Legal Description of Original Location: (portable source) Section 19, Township 7 North, Range 20 West, in Ravalli County, Montana.

Description of Project: This permit is for the operation of a 1960 Stansteel TM-15B Portable Asphalt Plant (maximum production 40 tph) with a primary cyclone, inlet dampers, cyclone spray chamber, a large holding tank, and associated equipment.

Benefits and Purpose of Proposal: This plant produces asphalt for small projects in the Corvallis area.

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, including a BACT analysis, are contained in permit #3015-00.

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
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
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			

SUMMARY OF COMMENTS ON POTENTIAL IMPACTS: The following comments have been prepared by the Department.

POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

1. Terrestrial and Aquatic Life and Habitats

Terrestrials will use the same areas as the asphalt plant. However, the asphalt plant alone will present only minor affects to the terrestrial life. The plant is relatively small compared to most asphalt plants and operates considerably less hours per year than other asphalt plants. Aquatic life will not be impacted by this particular asphalt plant.

2. Water Quality, Quantity and Distribution

Water will be used as pollution control and dust suppressant, but will only cause a minor disturbance to the area. The water that will be used for dust control will be spread evenly around the affected areas and no additional runoff is expected as a result of the fugitive watering. If the asphalt plant moves into a permitted open-cut pit, any accidental spills or leaks from equipment will be properly handled as required by the open-cut mining contract.

3. Geology and Soil Quality, Stability and Moisture

The soils will be impacted by the asphalt plant. Gravel and other aggregate may be taken from the area immediately around the asphalt plant if the plant moves into a permitted open-cut pit. It is likely that the soils around the asphalt plant will become less stable. The area around the asphalt plant will likely be impacted by the components of asphalt. If the asphalt plant moves into a permitted open-cut pit, the impacts to the surrounding geology and soil quality, stability, and moisture will be minor because Schlecht Excavating must comply with the requirements that are incorporated in an open-cut mining contract for reclamation procedures.

4. Vegetation Cover, Quantity and Quality

The vegetation cover will be affected by the asphalt plant. Depending on the location of the asphalt plant, the area around the plant may be required to be revegetated once the operations are finished..

5. Aesthetics

The asphalt plant will be visible and will create additional noise in the area. Permit #3015-00 includes conditions to control emissions (including visible emissions) from the plant; therefore, any impacts will be minor. However, the plant is operated sparingly and can only produce 40 tons of asphalt per hour.

6. Air Quality

The air quality impacts from the asphalt plant are minor. Permit #3015-00 includes conditions limiting the opacity from the plant, as well as a particulate matter emissions limit. The plant requires initial testing (EPA methods 1-5 and 9) and then every-four-year testing thereafter. The testing ensures that Schlecht Excavating is complying with the air quality limitations contained in permit #3015-00.

7. Unique, Endangered, Fragile or Limited Environmental Resources

The affects to unique, endangered, fragile or limited environmental resources are minor because the asphalt plant is using relatively small portions of land with regard to the surrounding area.

8. Demands on Environmental Resource of Water, Air and Energy

The asphalt plant will only demand small quantities of water and energy for proper operation. Water will be used to suppress the fugitive emissions emitted from the site and as a control device in the cyclone spray chambers and holding tank. The asphalt plant will be operated with a diesel powered generator.

9. Historical and Archaeological Sites

Historical and archaeological sites are not known to be present at the original location where the asphalt plant will operate. The operator will give appropriate protection if any values or artifacts are discovered in the affected area; including routing around the site of discovery for a reasonable amount of time and contacting the State Historical Preservation Office.

10. Cumulative and Secondary Impacts

There is potential for other operations such as crushers or screens to locate at this site. However, crushers and screens will have to apply for and receive the appropriate permits from the department prior to operation. These permits will address the environmental impacts associated with any crusher or screen at this or any other site. Overall, the asphalt plant will have minor impacts on the area because it is limited by permit #3015-00 and because it is operated sparingly over the course of a year. Other environmental regulations may apply if there are discharges to state waters or if there are spills of regulated substances. In addition, there may be impacts created by fugitive emissions from county roads.

POTENTIAL IMPACT ON HUMAN ENVIRONMENT

1. Social Structures and Mores

There will be no disruption of native or traditional lifestyles or communities from the asphalt plant.

2. Cultural Uniqueness and Diversity

The asphalt plant will not cause a change in the cultural uniqueness and diversity of the area.

3. Local and State Tax Base and Tax Revenue

The asphalt plant will have a minor impact on the local and state tax base and tax revenue.

4. Agricultural or Industrial Production

The asphalt plant will not create any agricultural production. The asphalt plant is small by industrial standards and will, therefore, have only a minor impact on local industrial production.

5. Human Health

Permit #3015-00 incorporates conditions to ensure that the asphalt plant will be operated in compliance with all applicable rules and standards. These rules and standards are designed to be protective of human health.

6. Access to and Quality of Recreational and Wilderness Activities

Minor impacts to the quality of recreational and wilderness activities may be created by the asphalt plant. The plant will create additional noise in the area and may create some additional visual impacts to the immediate area. More than likely, the plant will only operate within the immediate Corvallis area and will not affect the access to or quality of recreational and wilderness activities.

7. Quantity and Distribution of Employment

The activities from the asphalt plant will not greatly affect the quantity and distribution of employment in the area. More than likely, the activities will only employ people that currently work for Schlecht Excavating.

8. Distribution of Population

The asphalt plant will not require additional or less housing in the area. Since the asphalt plant is a seasonal operation, any increase in population is likely to be temporary. However, it is more likely that the asphalt plant will employ local people and that no change in the distribution of population will occur.

9. Demands of Government Services

The asphalt operation will only create minor impacts on governmental agencies. Schlecht Excavating will need to acquire the appropriate permits from governmental agencies.

10. Industrial and Commercial Activity

The asphalt plant represents a minor increase in the industrial activity in the area. The plant is relatively small by industrial standards.

11. Locally Adopted Environmental Plans and Goals

The asphalt plant is limited by permit #3015-00. Since Ravalli County has no environmental programs in place to further regulate the asphalt plant, the conditions in permit #3015-00 will be the main control for this asphalt plant.

12. Cumulative and Secondary Impacts

There is potential for other operations such as crushers or screens to locate at this site. However, crushers and screens will have to apply for and receive the appropriate permits from the department prior to operation. These permits will address the environmental impacts associated with any crusher or screen at this or any other site. Overall, the asphalt plant will have minor impacts on the area because it is limited by permit #3015-00 and because it is operated sparingly over the course of a year. Other environmental regulations may apply if there are discharges to state waters or if there are spills of regulated substances. In addition, there may be impacts created by fugitive emissions from county roads.

Recommendation: No EIS is required.

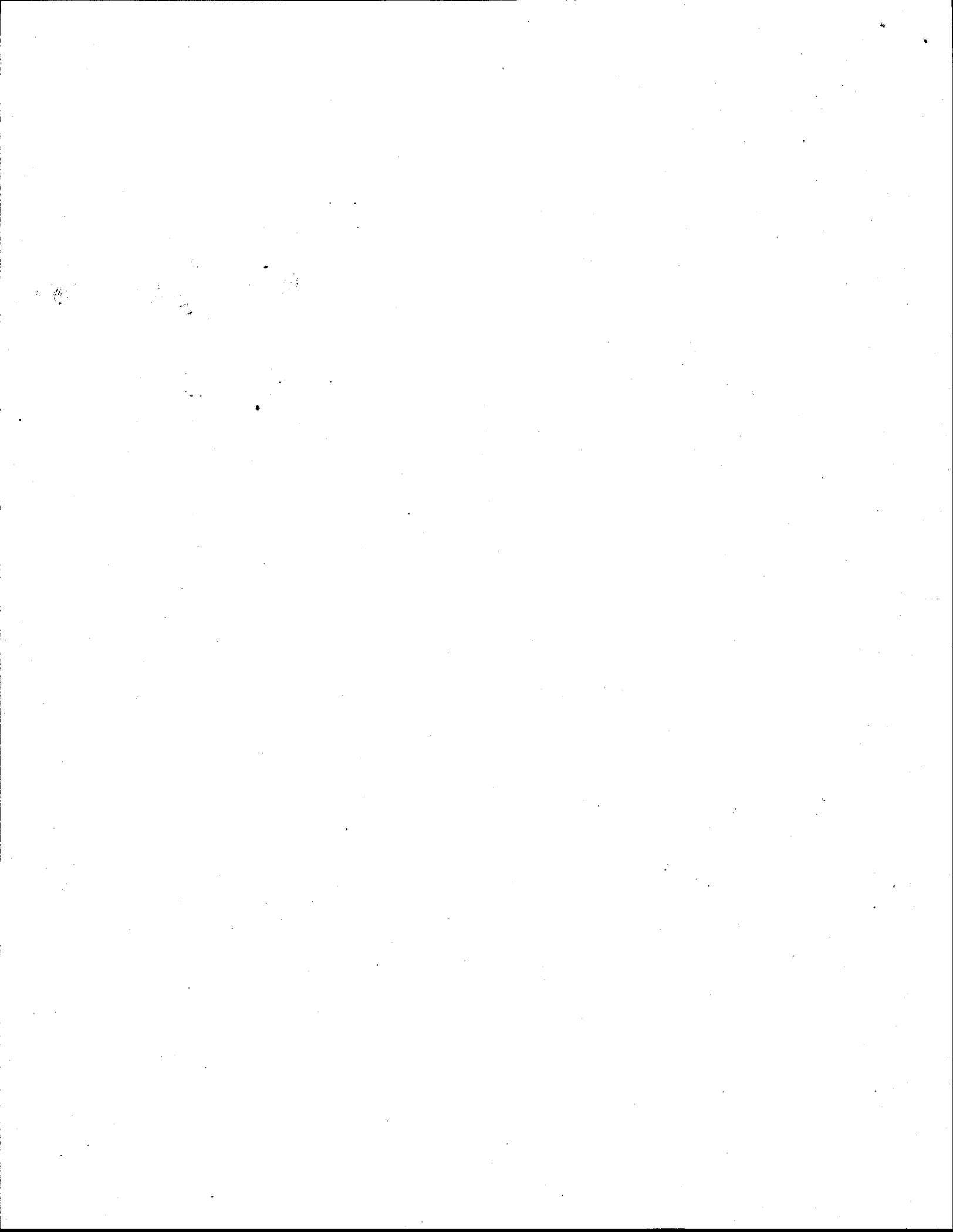
If an EIS is not required, explain why the EA is an appropriate level of analysis: This plant is a portable source and any impacts will be minimal. In addition, the controls contained in permit #3015-00 will limit the emissions from the asphalt plant.

Other groups or agencies contacted or which may have overlapping jurisdiction: Department of Environmental Quality, Industrial and Energy Minerals Bureau.

Individuals or groups contributing to this EA: Department of Environmental Quality, Permitting and Compliance Division

EA prepared by: Dan Walsh

Date: 06/30/98



DEPARTMENT OF ENVIRONMENTAL QUALITY
Permitting and Compliance Division
Air and Waste Management Bureau
P.O. Box 200901, Helena, Montana 59620
(406) 444-3490

FINAL ENVIRONMENTAL ASSESSMENT (EA)

Issued For: HiLine Redi-Mix
248 Main Street
Shelby, MT 59474

RECEIVED

AUG 21 1998

**ENVIRONMENTAL
QUALITY COUNCIL**

Air Quality Permit Number: 3018-00

Preliminary Determination Issued: 08/03/98
Department Decision Issued: 08/19/98

Montana Environmental Policy Act (MEPA) Compliance: An environmental assessment, required by MEPA, was completed for this project as follows.

Legal Description of Site: SW¼ of Section 1, Township 17 North, Range 6 East in Cascade County, Montana

Description of Project: This permit is for the operation of a 450 KW Diesel Generator, a Cedarapids jaw crusher, an ELJay 1145 Crushing Plant, five Fisher conveyors, and associated equipment

Benefits and Purpose of Proposal: This proposal is necessary for HiLine Redi-Mix to continue crushing and screening aggregate.

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, including a best available control technology analysis, is contained in permit #3018-00.

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
1	Terrestrial and Aquatic Life and Habitats			X			See attached comments.
2	Water Quality, Quantity and Distribution			X			See attached comments.
3	Geology and Soil Quality, Stability and Moisture			X			See attached comments.
4	Vegetation Cover, Quantity and Quality			X			See attached comments.
5	Aesthetics			X			See attached comments.
6	Air Quality			X			See attached comments.
7	Unique Endangered, Fragile or Limited Environmental Resource			X			See attached comments.
8	Demands on Environmental Resource of Water, Air and Energy			X			See attached comments.
9	Historical and Archaeological Sites			X			See attached comments.
10	Cumulative and Secondary Impacts			X			See attached comments.

Potential Impact on Human Environment

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

SUMMARY OF COMMENTS ON POTENTIAL IMPACTS: The following comments have been prepared by the Department.

POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

1. Terrestrial and Aquatic Life and Habitats

Terrestrials will use the areas in which the crusher operations occur. However, the crusher operations alone will present only minor affects to the terrestrial life. In addition, the crusher operations are portable and the affects will be limited by short-term projects.

2. Water Quality, Quantity and Distribution

Water will be used as pollution control, but will only cause minor disturbance to the area. When HiLine Redi-Mix moves into a permitted open-cut mining pit, any accidental spills or leaks from equipment will be handled as required by the open-cut mining contract. HiLine Redi-Mix has recently submitted a permit application for an open-cut mining contract from the Industrial and Energy Minerals Bureau (IEMB) of the department.

3. Geology and Soil Quality, Stability and Moisture

The soils will be impacted by the crusher operations. The impacts will be minor due to the size of the operation, and requirements that may be incorporated in the open-cut mining contract for reclamation procedures.

4. Vegetation Cover, Quantity and Quality

The vegetation cover will be affected by the crusher operations. Since the sites are usually pre-existing pits, the affects of the projects are less noticeable. The vegetation can be re-established following the mining operations in the area as may be required in an open-cut mining contract.

5. Aesthetics

The crusher operations will be visible and will create additional noise in the area. Since the crusher operations are relatively small and portable, any noise and visibility impacts will be minimal and short term. Permit #3018-00 also includes conditions to control emissions (including visible emissions) from the plant.

6. Air Quality

The air quality impacts from the crusher operations are minor. Permit #3018-00 includes conditions limiting the opacity from the plant as well, as requiring water spray bars to control air pollution. The crusher operations are also limited by permit #3018-00 to total particulate emissions of 250 tons/year or less from the plant in addition to any additional equipment at any individual site.

7. Unique Endangered, Fragile or Limited Environmental Resources

The affects to unique, endangered, fragile or limited environmental resources are minor because the crusher operations are portable and do not stay in one location for long periods of time. The crusher operations are performed on relatively small portions of land with regard to the surrounding area.

8. Demands on Environmental Resource of Water, Air and Energy

The crusher operations will only demand small quantities of water, air, and energy for proper operating. Small quantities of water will be used for emission control and dust suppression. The ambient air surrounding the facility will be impacted by the crusher operations. The equipment will be operated with a diesel generator.

9. Historical and Archaeological Sites

Historical and archaeological sites may be present at the locations where the crusher operations will be performed. The crusher operations generally move into sites that are pre-existing. HiLine Redi-Mix has recently submitted an application to the IEMB to obtain an open-cut mining contract. As part of the open-cut mining contract, the presence of historical and archaeological sites will be investigated.

10. Cumulative and Secondary Impacts

The crusher operations will cause a minor affect to both the physical and human environments. There is potential for other operations to locate at these sites. However, any operations will have to apply for and hold the appropriate permits from the department prior to operation. These permits will address the environmental impacts associated with the operations at this or any other site. In addition, the crusher operations are limited by permit #3018-00 to total particulate emissions of 250 tons/year or less from the crusher operations and any other additional equipment used at the site.

POTENTIAL IMPACT ON HUMAN ENVIRONMENT

1. Social Structures and Mores

The crusher operation will not cause a disruption to the native or traditional lifestyles or communities of the area.

2. Cultural Uniqueness and Diversity

The crusher operation will have no impact on the cultural uniqueness and diversity of the area.

3. Local and State Tax Base and Tax Revenue

The crusher operations will create minor impacts on the local and state tax base and tax revenue. The activity will continue in the area for only a short period of time. There is potential for this project to create additional employment in the area.

4. Agricultural or Industrial Production

The crusher operations will not create any agricultural production. The crusher operations are small by industrial standards and will, therefore, have only a minor impact on local industrial production.

5. Human Health

Permit #3018-00 incorporates conditions to ensure that the crusher operations will be operated in compliance with all applicable rules and standards. These rules and standards are designed to be protective of human health.

6. Access to and Quality of Recreational and Wilderness Activities

The crusher operations will not affect any access to recreational and wilderness activities. However, minor affects to the quality of recreational and wilderness activities will be created by the noise from the site. Any impacts from the noise will be temporary, because the crusher operations are portable.

7. Quantity and Distribution of Employment

The activities from the crusher operations will not greatly affect the quantity and distribution of employment in the area. More than likely, the activities will only employ people that currently work for the company, and they will be in the area for only a short period of time. However, it is possible this project will provide a couple new jobs.

8. Distribution of Population

The crusher operations will not require additional or less housing in the area. Several people from the facility will likely stay in the area for the short-term projects.

9. Demands of Government Services

Minor increases will be seen in traffic on existing roads in the area while the crusher operations are in progress. The crusher operations will occupy only small amounts of property (~15 acres for the original site). The only other government services demanded for this project will be acquiring the appropriate permits from government agencies.

10. Industrial and Commercial Activity

The crusher operations represent only a minor increase in the industrial activity in the area. No additional industrial or commercial activity is expected as a result of the crusher operations.

11. Locally Adopted Environmental Plans and Goals

There are no locally adopted environmental plans or goals that will affect this facility.

12. Cumulative and Secondary Impacts

The crusher operations will cause a minor affect to both the physical and human environments. There is potential for other operations to locate at these sites. However, any operations will have to apply for and hold the appropriate permits from the department prior to operation. These permits will address the environmental impacts associated with the operations at this or any other site. In addition, the crusher operations are limited by permit #3018-00 to total particulate emissions of 250 tons/year or less from the crusher operations and any other additional equipment used at the site.

Recommendation: No EIS is required.

If an EIS is not required, explain why the EA is an appropriate level of analysis: Since this plant is a portable source, there will be no significant impacts. The controls contained in permit #3018-00 will further limit the emissions.

Other groups or agencies contacted or which may have overlapping jurisdiction: Department of Environmental Quality, Industrial and Energy Minerals Bureau.

Individuals or groups contributing to this EA: Department of Environmental Quality, Permitting and Compliance Division.

EA prepared by: Dan Walsh

Date: July 20, 1998

DEPARTMENT OF ENVIRONMENTAL QUALITY

PERMITTING AND COMPLIANCE DIVISION

Air and Waste Management Bureau



MARC RACICOT, GOVERNOR

(406) 444-3490
FAX (406) 444-1499

STATE OF MONTANA

OFFICE: METCALF BUILDING
ADDRESS: 1520 E 6TH AVENUE

PO BOX 200901
HELENA, MONTANA 59620-0901

August 18, 1998

RECEIVED

AUG 21 1998

**ENVIRONMENTAL
QUALITY COUNCIL**

Bob Carroll
American Chemet Corporation
P.O. Box 1160
East Helena, Montana 59634

Dear Mr. Carroll:

Air Quality Permit #1993-07 is deemed final as of August 14, 1998 by the Department of Environmental Quality. This permit is for a copper oxide and zinc oxide production facility. 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,

Handwritten signature of Richard Knatterud in cursive.

Richard Knatterud
Air Permitting Section Supervisor

RK:bjd

Enclosure

1950

NOV 15 1950

JANUARY 1951

Department of Environmental Quality
Permitting and Compliance Division
1520 E. Sixth Ave., P.O. Box 200901
Helena, Montana 59620

FINAL ENVIRONMENTAL ASSESSMENT

ISSUED TO: American Chemet Corporation
P.O. Box 1160
#1 Smelter Road
East Helena, MT 59634

PERMIT NUMBER: 1993-07

PRELIMINARY DETERMINATION ON PERMIT ISSUED: 7/13/98
DEPARTMENT DECISION ISSUED: 7/21/98
FINAL PERMIT ISSUED: 8/14/98

MONTANA ENVIRONMENTAL POLICY ACT (MEPA) COMPLIANCE: An environmental assessment required by the Montana Environmental Policy Act, was completed for this project as follows:

LEGAL DESCRIPTION OF SITE: NE 1/4 of Section 36, Township 10 N, Range 3W, Lewis and Clark County

DESCRIPTION OF PROJECT: American Chemet is proposing four minor changes within their facility which will not increase their allowable emissions. American Chemet will replace the #32 Crusher with a new crusher denoted as the #45 Crusher. The new crusher, will be controlled by the baghouse that vents to the #5 stack. The retiring of #32 Crusher vented to the #19 baghouse/stack. Therefore, after construction, the baghouse/stack #5 will control the #6 Copper Mill, and the new #45 Crusher.

American Chemet intends to remove the #25 Copper Shredder. This unit will come out of service and an alternate piece of equipment is not planned to replace it. The #25 Copper Shredder is controlled by the baghouse that vents to stack #19. American Chemet will also move the #31 Sieve and control it with the baghouse that vents to stack #19. Prior to this proposed action, the #31 Sieve is being controlled by the baghouse that vents to stack #18.

Prior to project initiation, the baghouse that vents to stack #19 controls the #32 Crusher, #25 Shredder, and the #30 Copper Mill. After completion of the project, the baghouse that vents to stack #19 will only control the #30 Copper Mill, and the #31 Sieve.

The remaining proposed action is to relocate an existing process unit, the #44 Copper Mill, and control it with the baghouse that vents to stack #25. Therefore, after completion of this project, the baghouse that vents to stack #25 will control the #33 Copper Blender, the #34 Copper Mill, the #35 Copper Sieve, #36 Copper Blender, the #37 Copper Packer, and the relocated #44 Copper Mill.

The project described does not allow an increase in allowable emissions. Therefore, with the negligible net change in actual emissions (minor increases and decreases) occurring at existing stacks, modeling was not performed or required.

BENEFITS AND PURPOSE OF PROPOSAL: The permit will allow American Chemet to operate their facility more efficiently, and minimize the impacts of their manufacturing process on air quality. Furthermore, the permit will allow American Chemet to operate their facility in compliance with applicable requirements.

DESCRIPTION AND ANALYSIS OF REASONABLE ALTERNATIVES WHENEVER ALTERNATIVES ARE REASONABLY AVAILABLE AND PRUDENT TO CONSIDER: No other alternatives were identified which would reasonably reduce emissions, therefore, no reasonable alternatives are available.

A LISTING AND APPROPRIATE EVALUATION OF MITIGATION, STIPULATIONS AND OTHER CONTROLS ENFORCEABLE BY THE AGENCY OR ANOTHER GOVERNMENT AGENCY: A list of enforceable permit conditions, and a complete permit analysis which includes a "best available control technology" or BACT analysis, are contained in Air Quality Permit 1993-07.

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 to 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	X		
8	Demands on Environmental Resource of Water, Air and Energy			X			
9	Historical and Archaeological Sites			X	X		
10	Cumulative and Secondary Impacts			X			

Comments on Potential Impacts

1. Terrestrial and Aquatic Life and Habitat - The negligible change in particulate emissions from these alterations should have little to no affect on nearby terrestrial and aquatic life.

2. Water Quality, Quantity, and Distribution - The most predominant air pollution control device found at this facility are baghouses. The single wet scrubber present controls the emissions from the #2 copper furnace. The alterations proposed by this project do not impact the existing wet scrubber or its operation; therefore, the potential for ground or surface water degradation from this project is minimal.
3. Geology and Soil Quality, Stability, and Moisture - The disturbances to the surrounding geology and soils from this facility will be minimal. The entire American Chemet Plant resides within approximately 4 acres.
4. Vegetative Cover, Quantity, and Quality - American Chemet's facility is located between ASARCO and Highway 12 in East Helena. Nearby vegetation is not anticipated to suffer from this facility, or the proposed project, to any major extent. Impacts expected are minor.
5. Aesthetics - American Chemet is visible from the nearby road and highway. The facility has surrounded its numerous processes by enclosing them in structures. This provides many practical advantages to the facility, but also reduces noise, maintains a clean exterior appearance, and reduces dust. Minor or negligible aesthetic impacts are anticipated from this project..
6. Air Quality - The proposed project does not allow American Chemet to increase its emissions. Only very negligible changes are anticipated in the facility's actual emissions. Permit 1993-07 maintains emission limits, and provides a regulatory framework to protect the local ambient air quality. Therefore, the facility will not cause or contribute to any violations of the ambient air quality standards.
7. Unique Endangered, Fragile, or Limited Environmental Resources - No impacts to habitat are anticipated as a result of this project.
8. Demands on Environmental Resource of Water, Air, and Energy - The effect on the environmental resources in the area from the proposed actions is minor. Water necessary to operate the scrubber is not significant enough to stress local sources. Similarly, no additional energy is anticipated to implement the permit alterations.
9. Historical and Archaeological Sites - The permit alterations proposed do not allow expansion of the facility, nor does it allow American Chemet to move the facility. The proposed alterations do not pose a threat to historical or archaeological sites.
10. Cumulative and Secondary Impacts - Cumulative and secondary impacts from all pollutants emitted are expected to be minor. Particulate emissions from this facility are not significant and cumulative impacts are not anticipated. However, American Chemet is located next to a lead smelter, and both are in a nonattainment area for lead and sulfur dioxide. American Chemet emits very little lead and sulfur dioxide from its furnaces, none of which are affected by the proposed alterations. Subsequently, cumulative or secondary impacts due to lead from American Chemet are expected to be minor.

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		

Comments on Potential Impacts:

1. Social Structures and Mores
2. Cultural Uniqueness and Diversity
7. Quantity and Distribution of Employment
8. Distribution of Population

American Chemet has been in continuous operation for decades. It employs 85 people, and manufactures copper powders, copper oxides, and zinc oxides. The continued operation of this facility, and the proposed alterations at the facility, are not expected to cause any significant change in the local community social structure, cultural uniqueness, or distribution of population.

3. Local and State Tax Base and Tax Revenue
9. Demands for Government Services

This facility employs 85 people; therefore, it does have an impact on the local and state tax base. American Chemet also requires administrative and inspection services from the Montana Department of Environmental Quality. Impacts in both these areas is anticipated to be minor.

4. Agricultural or Industrial Production
10. Industrial and Commercial Activity

American Chemet does increase the industrial production and activity for the area. However, industrial growth due to this facility is not anticipated.

5. Human Health

American Chemet does emit into the atmosphere a very small quantity of particulate matter; a portion of those emissions is lead. Therefore, this facility does have the potential to cause a minor impact on human health. The plant is located immediately next to a large lead smelter and a heavily-traveled highway, both of which have a much greater impact on human health than American Chemet. Because no increase in the facility's allowable emissions is necessary to complete the proposed project, the ambient air quality standards are not impacted.

6. Access to and Quality of Recreational and Wilderness Activities

This facility or its operation is not expected to cause any reduction in the access to recreational or wilderness areas.

11. Locally Adopted Environmental Plans and Goals

American Chemet is located within Lewis and Clark County, which has a local air quality control program. The plant is also in a nonattainment area for lead and sulfur dioxide, and is situated immediately adjacent to ASARCO, a primary lead smelter. American Chemet has a minor impact to these local control plans, but permit #1993-07 maintains emission limits established in the local plans for particulate, lead, and sulfur dioxide. Therefore, the proposed project should not increase the impacts to human health and the environment.

12. Cumulative and Secondary Impacts.

Cumulative and secondary impacts from all pollutants emitted are expected to be minor. Particulate emissions from this facility are not significant; therefore, cumulative impacts are not anticipated. American Chemet is, however, located next to a lead smelter and both facilities are in an nonattainment area for lead and sulfur dioxide. American Chemet emits very little lead from its furnaces, none of which are affected by the proposed alterations. Subsequently, additional cumulative or secondary impacts due to lead from American Chemet are not anticipated.

RECOMMENDATION: An EIS is not required.

IF AN EIS IS NOT REQUIRED, EXPLAIN WHY THE EA IS AN APPROPRIATE LEVEL OF ANALYSIS: The Department's analysis of this facility has shown that the impacts from its continued operation, and its proposed alterations in permit 1993-07, will be minor.

OTHER GROUPS OR AGENCIES CONTACTED OR WHICH MAY HAVE OVERLAPPING JURISDICTION: None.

INDIVIDUALS OR GROUPS CONTRIBUTING TO THIS EA: Department of Environmental Quality, Permitting and Compliance Division.

EA PREPARED BY: Jack Dartman

DATE: July 9, 1998

I. POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

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 Resources of Water, Air and Energy
9. Historical and Archaeological Sites

Major	Moderate	Minor	None	Unknown	Comments Attached
		X			
		X			
		X			
		X			
		X			
		X			
			X		
		X			
				X	

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Cumulative and Secondary Impacts

MINOR

II. POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

1. Social Structures and Mores
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 and 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

Major	Moderate	Minor	None	Unknown	Comments Attached
				X	
				X	
				X	
				X	
		X			
			X		
			X		
		X			
			X		
				X	

Cumulative and Secondary Impacts

MINOR

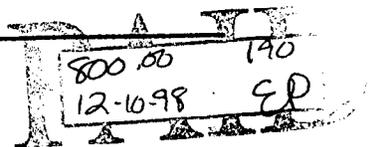
Montana Department of Environmental Quality/
Local Government Joint Application Form

No. _____

PART I. GENERAL DESCRIPTION AND INFORMATION

(Please type or print all information)

1. Name of proposed development Rice Minor
2. Location (City and/or County) Silver Bow
Legal description: SW 1/4 ___ 1/4 of Section 14 Township 3 Range 9W
3. Is concurrent review by the local governing body and DEQ requested?
Yes No _____ E.O. 99-183
4. Type of water supply system: Individual or shared well Individual cistern _____
Individual surface water supply or spring _____ Multiple-family water supply system (3-14 connections and fewer than 25 people) _____
Service connection to multiple-family system _____
Service connection to public system _____ Extension of public main _____ New public system _____
5. Type of wastewater treatment system: Individual or shared on-site septic system
Multiple-family on-site system (3-14 connections and fewer than 25 people) _____ Service connection to multiple-family system _____
Service connection to public system _____
Extension of public main _____ New public system _____
6. Name of solid waste (garbage) disposal site Silver Bow Landfill
7. Is information included which substantiates that there will be no degradation of state waters or that degradation will be nonsignificant? yes **RECEIVE**
If not, have you enclosed an Application to Degrade? _____ DEC 10 1998
8. Descriptive Data:
a. Number of lots or rental spaces 5
b. Total acreage in lots being reviewed 12.378
c. Total acreage in streets or roads _____
d. Total acreage in parks, open space, and/or common facilities _____
e. TOTAL gross acreage of subdivision _____
f. Minimum size of lots or spaces 2,154
g. Maximum size of lots or spaces 2,127
9. Indicate the proposed use(s) and number of lots or spaces in each:
 Residential, single family
_____ Residential, multiple family
_____ Types of multiple family structures and numbers of each (e.g. duplex)
_____ Planned Unit Development (No. of units _____)
_____ Condominium (No. of units _____)
_____ Mobile home park _____ Recreational vehicle park
_____ Commercial or industrial
_____ Other (please describe) _____



I. POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

	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 Resources				X		
8. Demands on Environmental Resources of Water, Air and Energy			X			
9. Historical and Archaeological Sites					X	

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DEC 2 1998

ENVIRONMENTAL QUALITY COUNCIL

Cumulative and Secondary Impacts

MINOR

II. POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

	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 Governmental Services			X			
10. Industrial and Commercial Activity				X		
11. Locally Adopted Environmental Plans and Goals					X	

Cumulative and Secondary Impacts

MINOR

Montana Department of Environmental Quality/
Local Government Joint Application Form

No. _____

PART I. GENERAL DESCRIPTION AND INFORMATION

(Please type or print all information)

1. Name of proposed development Amunrud 5-Tract Family Member Sale

2. Location (City and/or County) Gallatin County (South of Bozeman)

Legal description: N 1/2 NE 1/4 of Section 2 Township 3S Range 5E

3. Is concurrent review by the local governing body and DEQ requested?
Yes X No _____ EQ # 99-1201

4. Type of water supply system: Individual or shared well X Individual cistern _____
Individual surface water supply or spring _____ Multiple-family water supply system (3-14 connections and fewer than 25 people) _____
Service connection to multiple-family system _____ Service connection to public system _____
Extension of public main _____ New public system _____

5. Type of wastewater treatment system: Individual or shared on-site septic system X
Multiple-family on-site system (3-14 connections and fewer than 25 people) _____ Service connection to multiple-family system _____
Service connection to public system _____ Extension of public main _____ New public system _____

6. Name of solid waste (garbage) disposal site Bozeman and/or Logan Landfill

7. Is information included which substantiates that there will be no degradation of state waters or that degradation will be nonsignificant? Yes

8. Descriptive Data:

- a. Number of lots or rental spaces 5
- b. Total acreage in lots being reviewed 5.0
- c. Total acreage in streets or roads 0 (Private Access)
- d. Total acreage in parks, open space, and/or common facilities 0
- e. TOTAL gross acreage of subdivision 5.0
- f. Minimum size of lots or spaces 1.0
- g. Maximum size of lots or spaces 1.0

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SEP 30 1998

MT. DEPT. OF ENV. C
PERMITTING & COMPLIANCE

9. Indicate the proposed use(s) and number of lots or spaces in each:

- X Residential, single family
- _____ Residential, multiple family
- _____ Types of multiple family structures and number of each (e.g. duplex)
- _____ Planned Unit Development (No. of units _____)
- _____ Condominium (No. of units _____)
- _____ Mobile home park _____ Recreational vehicle park
- _____ Commercial or industrial
- _____ Other (please describe) _____

PAID
B.O. 2776
10/5/98 Ko

PAID
800.00 9296
9/30/98 Ko

I. POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

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 Resources
8. Demands on Environmental Resources of Water, Air and Energy
9. Historical and Archaeological Sites

Major	Moderate	Minor	None	Unknown	Comments Attached
				X	
		X			
		X			
				X	
				X	
		X			
				X	
		X			
				X	

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ENVIRONMENTAL COUNCIL

Cumulative and Secondary Impacts

MINOR

II. POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

1. Social Structures and Mores
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 and 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

Major	Moderate	Minor	None	Unknown	Comments Attached
		X			
		X			
		X			
				X	
		X			
				X	
		X			
		X			
		X			
				X	

Cumulative and Secondary Impacts

MINOR

Montana Department of Environmental Quality/
Local Government Joint Application Form

No. _____

PART I. GENERAL DESCRIPTION AND INFORMATION

(Please type or print all information)

1. Name of proposed development Wymer Sub.
2. Location (City and/or County) Lincoln
3. Legal description: SE 1/4 SE 1/4 of Section 7E Township 36N Range 27W
NE NE 18
3. Is concurrent review by the local governing body and DEQ requested? E.Q. #99-1236
Yes _____ No _____
4. Type of water supply system: ~~Individual~~ or shared well X Individual cistern _____
Individual surface water supply or spring _____ Multiple-family water supply system (3-14 connections and fewer than 25 people) _____ Service connection to multiple-family system _____
Service connection to public system _____ Extension of public main _____ New public system _____
5. Type of wastewater treatment system: ~~Individual~~ or shared on-site septic system X
Multiple-family on-site system (3-14 connections and fewer than 25 people) _____ Service connection to multiple-family system _____ Service connection to public system _____
Extension of public main _____ New public system _____
6. Name of solid waste (garbage) disposal site Libby Landfill
7. Is information included which substantiates that there will be no degradation of state waters or that degradation will be nonsignificant? yes
If not, have you enclosed an Application to Degrade? no
8. Descriptive Data:
 - a. Number of lots or rental spaces 2
 - b. Total acreage in lots being reviewed 6.117
 - c. Total acreage in streets or roads N/A
 - d. Total acreage in parks open space, and/or common facilities N/A
 - e. TOTAL gross acreage of subdivision 6.117
 - f. Minimum size of lots or spaces 1.018
 - g. Maximum size of lots or spaces 5.099

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PERMITTING & COMPLIANCE DIV

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AUG 13 1998

9. Indicate the proposed use(s) and number of lots or spaces in each:

- X Residential, single family
- _____ Residential, multiple family
- _____ Types of multiple family structures and numbers of each (e.g. duplex)
- _____ Planned Unit Development (No. of units _____)
- _____ Condominium (No. of units _____)
- _____ Mobile home park _____ Recreational vehicle park
- _____ Commercial or industrial
- _____ Other (please describe) _____

PAID
210.00 2094
8-13-98 EP

I. POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

Broadwater

Major Moderate Minor None Unknown Comments Attached

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 Resources
8. Demands on Environmental Resources of Water, Air and Energy
9. Historical and Archaeological Sites

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ENVIRONMENTAL RESOURCES COUNCIL

	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 Resources					X	
8. Demands on Environmental Resources of Water, Air and Energy			X			
9. Historical and Archaeological Sites					X	

Cumulative and Secondary Impacts

MINOR

II. POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

1. Social Structures and Mores
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 and 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

	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 Governmental Services			X			
10. Industrial and Commercial Activity			X			
11. Locally Adopted Environmental Plans and Goals					X	

Cumulative and Secondary Impacts

MINOR

Montana Department of Environmental Quality/
Local Government Joint Application Form

No. _____

PART I. GENERAL DESCRIPTION AND INFORMATION

(Please type or print all information)

1. Name of proposed development Lot 1 Minor Subdivision of Lazy HM Estates
2. Location (City and/or County) Broadwater County
Legal description: 1/4 SE 1/4 of Section 4 Township 9N Range 1W
3. Is concurrent review by the local governing body and DEQ requested? E.Q. 99-1790
Yes No
4. Type of water supply system: Individual or shared well Individual cistern _____
Individual surface water supply or spring _____ Multiple-family water supply system (3-14 connections and fewer than 25 people) _____
Service connection to multiple-family system _____
Service connection to public system _____ Extension of public main _____ New public system _____
5. Type of wastewater treatment system: Individual or shared on-site septic system
Multiple-family on-site system (3-14 connections and fewer than 25 people) _____
Service connection to multiple-family system _____ Service connection to public system _____
Extension of public main _____ New public system _____
6. Name of solid waste (garbage) disposal site Winston container site
7. Is information included which substantiates that there will be no degradation of state waters or that degradation will be nonsignificant? yes

If not, have you enclosed an Application to Degrade? _____

8. Descriptive Data:
 - a. Number of lots or rental spaces 2
 - b. Total acreage in lots being reviewed 20
 - c. Total acreage in streets or roads _____
 - d. Total acreage in parks, open space, and/or common facilities _____
 - e. TOTAL gross acreage of subdivision 20
 - f. Minimum size of lots or spaces 10 Acres
 - g. Maximum size of lots or spaces 10.10 Acres

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PERMITTING & COMPLIANCE DIV.

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320.00 1428
12-2-98

9. Indicate the proposed use(s) and number of lots or spaces in each:
2 Residential, single family
_____ Residential, multiple family
_____ Types of multiple family structures and numbers of each (e.g. duplex)
_____ Planned Unit Development (No. of units _____)
_____ Condominium (No. of units _____)
_____ Mobile home park _____ Recreational vehicle park
_____ Commercial or industrial
_____ Other (please describe) _____

Cascade

I. POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

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 Resources
8. Demands on Environmental Resources of Water, Air and Energy
9. Historical and Archaeological Sites

				X	
		X			
		X			
				X	
				X	
		X			
				X	
		X			
				X	

DEC 21 1988

ENVIRONMENTAL QUALITY COUNCIL

Cumulative and Secondary Impacts

MINOR

II. POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

1. Social Structures and Mores
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 and 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

		X			
		X			
		X			
				X	
		X			
				X	
		X			
		X			
		X			
		X			
				X	

Cumulative and Secondary Impacts

MINOR

Montana Department of Environmental Quality/
Local Government Joint Application Form

No. _____

PART I. GENERAL DESCRIPTION AND INFORMATION

(Please type or print all information)

Anderson Ranch Subdivision

1. Name of proposed development CERT. OF SUBDIVISION PLAT NO.

2. Location (City and/or County) CASCADE COUNTY, MONTANA.

Legal description: 1/4 SW 1/4 of Section 16 Township 17N Range 1W.

? 3. Is concurrent review by the local governing body and DEQ requested? E.Q. #99-1830
Yes _____ No _____

4. Type of water supply system: Individual or shared well X Individual cistern _____
Individual surface water supply or spring _____ Multiple-family water supply system (3-14
connections and fewer than 25 people) _____ Service connection to multiple-family system
_____ Service connection to public system _____ Extension of public main _____ New
public system _____

5. Type of wastewater treatment system: Individual or shared on-site septic system X
Multiple-family on-site system (3-14 connections and fewer than 25 people) _____ Service
connection to multiple-family system _____ Service connection to public system _____
Extension of public main _____ New public system _____

6. Name of solid waste (garbage) disposal site GREEN'S DISPOSAL.

? 7. Is information included which substantiates that there will be no degradation of state waters
or that degradation will be nonsignificant? _____

If not, have you enclosed an Application to Degrade? _____

8. Descriptive Data:

- a. Number of lots or rental spaces 1
- b. Total acreage in lots being reviewed 5.64 AC.
- c. Total acreage in streets or roads 0
- d. Total acreage in parks, open space, and/or common facilities 0
- e. TOTAL gross acreage of subdivision 5.64 AC.
- f. Minimum size of lots or spaces 5.64
- g. Maximum size of lots or spaces 5.64

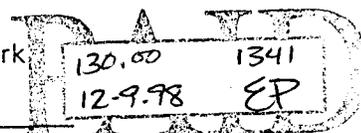
9. Indicate the proposed use(s) and number of lots or spaces in each:

- X Residential, single family
- _____ Residential, multiple family
- _____ Types of multiple family structures and numbers of each (e.g. duplex)
- _____ Planned Unit Development (No. of units _____)
- _____ Condominium (No. of units _____)
- _____ Mobile home park _____ Recreational vehicle park _____
- _____ Commercial or industrial _____
- _____ Other (please describe) _____

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PERMITTING & COMPLIANCE DIV

010 09 1998

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DEPARTMENT OF ENVIRONMENTAL QUALITY
PERMITTING AND COMPLIANCE DIVISION

METCALF BUILDING
1520 E SIXTH AVE

MARC RACICOT, GOVERNOR



STATE OF MONTANA

(406)444-3080
FAX (406)444-1374

December 16, 1998

PO BOX 200901
HELENA, MONTANA 59620-0901

Environmental Quality Council
Room 432
State Capitol
Helena, MT 59620

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DEC 21 1998

ENVIRONMENTAL
QUALITY COUNCIL

RE: Coyote Run Estates, Remainder Parcel
Lincoln County

Dear Sir/Madam:

Enclosed please find an Environmental Assessment (EA) completed by this Program for the above referenced subdivision. Due to the minimal impacts anticipated from this proposal, this EA has not been circulated to all departments for comment, but has only been forwarded to yourselves and copied to the below.

If you have any questions or comments on the above or I can be of further assistance, please feel free to call on us at the Permitting and Compliance Division at 444-3080.

Sincerely,

Handwritten signature of Mark Petersen in cursive.

for Dennis McKenna, Supervisor
Subdivision Section
Water Protection Bureau

cc: Lincoln County Health Department
Brian Launius, Marquardt & Marquardt
File

DEPARTMENT OF ENVIRONMENTAL QUALITY
Metcalf Building, Helena, Montana 59620
(406)444-4323

ENVIRONMENTAL ASSESSMENT (EA)

Division/Bureau Department of Environmental Quality, Permitting and Compliance Division

Project or Application Coyote Run Estates, Remainder Parcel

Location A portion of Government Lots 1 and 2, Section 27, Township 37 North, Range 27 West

Description of Project This project is a 1 lot minor subdivision in Lincoln County

Water Supply The subdivision is supplied with water service through an individual well.

Sewage Treatment The subdivision is supplied with sewer service through an individual on-site septic tank and drain field.

Storm Drainage The subdivision will create a minor increase in runoff due to construction of a gravel access road, but the runoff should be contained within the adjacent roadway ditches.

Benefits and Purpose of Proposal This proposal will create one single family residence on a 12.7 acre parcel.

Special Circumstances None

Coyote Run Estates, Remainder Parcel
Lincoln County

POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

1. TERRESTRIAL AND AQUATIC LIFE AND HABITATS Minor
2. WATER QUALITY, QUANTITY AND DISTRIBUTION Minor.
3. GEOLOGY AND SOIL QUALITY, STABILITY AND MOISTURE Minor
4. VEGETATION COVER, QUANTITY AND QUALITY Minor
5. AESTHETICS Minor
6. AIR QUALITY Minor, although the construction and use of the gravel road will have an impact.
7. UNIQUE ENDANGERED, FRAGILE OR LIMITED ENVIRONMENTAL RESOURCE
Unknown. No such resources have been identified or are expected.
8. DEMANDS ON ENVIRONMENTAL RESOURCE OF WATER, AIR AND ENERGY
Minor. The applicant has demonstrated that there is adequate quantity of water to supply this subdivision.
9. HISTORICAL AND ARCHAEOLOGICAL SITES Unknown.

CUMULATIVE AND SECONDARY IMPACTS Minor

POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

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

CUMULATIVE AND SECONDARY IMPACTS Minor

Regulatory Impact Analysis

The Sanitation in Subdivisions Act imposes regulatory restrictions on this subdivision which require department review and approval of designs for water supply, wastewater treatment, storm water and solid waste disposal systems. Private property may not be developed for activities that require water supply or wastewater disposal until approval is issued by the Department of Environmental Quality. The impact on this private property is that the systems must be constructed at a cost to the applicant, and that several limitations may be imposed regarding the number of lots which may be created, treatment technologies which may be considered, and/or locations of buildings and sanitary facilities. These requirements have been established to protect public health and water quality.

Alternatives/Rationale:

The systems were proposed by the applicant in the initial application. The department accepts the systems proposed by the applicant as the most economically feasible approach.

Individuals or groups contributing to this EA

Subdivision Section, Water Protection Bureau, Permitting and Compliance Division

EA prepared by: Mark Peterson

Date: December 15, 1998

I. POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

RAVALLI

Major Moderate Minor None Unknown Comments Attached

1. Terrestrial and Aquatic life and Habitats
2. Water Quality, Quantity and Distribution
3. Geology and Soil Quality Stability and Moisture
4. Vegetation Cover, Quality and Quality
5. Aesthetics
6. Air Quality
7. Unique Endangered, Limited Environmental Resource
8. Demands on Environmental Resources of Water, Air and Energy
9. Historical and Archaeological Sites

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ENVIRONMENTAL QUALITY COUNCIL

	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, Quality and Quality					X	
5. Aesthetics					X	
6. Air Quality			X			
7. Unique Endangered, Limited Environmental Resource					X	
8. Demands on Environmental Resources of Water, Air and Energy			X			
9. Historical and Archaeological Sites					X	

Cumulative and Secondary Impacts

MINOR

II. POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

1. Social Structures and Mores
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 and 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

	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 Governmental Services			X			
10. Industrial and Commercial Activity			X			
11. Locally Adopted Environmental Plans and Goals					X	

Cumulative and Secondary Impacts

MINOR

Montana Department of Environmental Quality/
Local Government Joint Application Form

No. _____

PART I. GENERAL DESCRIPTION AND INFORMATION

(Please type or print all information)

- 1. Name of proposed development Mountain Home Estates Lot 2
- 2. Location (City and/or County) MISSOULA

Legal description: 1/4 NE 1/4 of Section 11 Township 3N Range 19W

- 3. Is concurrent review by the local governing body and DEQ requested?
Yes _____ No X

- 4. Type of water supply system: Individual or shared well _____ Individual cistern _____
Individual surface water supply or spring _____ Multiple-family water supply system (3-14
connections and fewer than 25 people) _____ Service connection to multiple-family system
_____ Service connection to public system X Extension of public main _____ New
public system _____

E.O. 99-1819

- 5. Type of wastewater treatment system: Individual or shared on-site septic system X
Multiple-family on-site system (3-14 connections and fewer than 25 people) _____ Service
connection to multiple-family system _____ Service connection to public system _____
Extension of public main _____ New public system _____

- 6. Name of solid waste (garbage) disposal site BFI

- 7. Is information included which substantiates that there will be no degradation of state waters
or that degradation will be nonsignificant? YES

If not, have you enclosed an Application to Degrade? N/A

8. Descriptive Data:

- a. Number of lots or rental spaces 2
- b. Total acreage in lots being reviewed 2.19
- c. Total acreage in streets or roads 0
- d. Total acreage in parks, open space, and/or common facilities 0
- e. TOTAL gross acreage of subdivision 2.19
- f. Minimum size of lots or spaces 0.92 AC.
- g. Maximum size of lots or spaces 1.27 AC.

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DEC 07 1998
MT. DEPT. OF ENV. QUALITY
PERMITTING & COMPLIANCE DIV.

- 9. Indicate the proposed use(s) and number of lots or spaces in each:

- 2 Residential, single family
- _____ Residential, multiple family
- _____ Types of multiple family structures and numbers of each (e.g. duplex)
- _____ Planned Unit Development (No. of units _____)
- _____ Condominium (No. of units _____)
- _____ Mobile home park _____ Recreational vehicle park
- _____ Commercial or industrial
- _____ Other (please describe) _____

230.00 19446
12-7-98 ER

I. POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

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 Resources of Water, Air and Energy
9. Historical and Archaeological Sites

DEC 21 1998

ENVIRONMENTAL QUALITY COUNCIL

	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 Resources of Water, Air and Energy			X			
9. Historical and Archaeological Sites					X	

Cumulative and Secondary Impacts

MINOR

II. POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

1. Social Structures and Mores
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 and 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

	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 Governmental Services			X			
10. Industrial and Commercial Activity			X			
11. Locally Adopted Environmental Plans and Goals					X	

Cumulative and Secondary Impacts

Montana Department of Environmental Quality/
Local Government Joint Application Form

No. _____

PART 1. GENERAL DESCRIPTION AND INFORMATION

(Please type or print all information)

1. Name of proposed development Bethel Phase II Subdivision - TRACT 1 (Lot 6)
2. Location (City and/or County) Great Falls, Cascade County, Montana
Legal description: N 1/2 SW 1/4 of Section 22 Township 19N Range 3E
3. Is concurrent review by the local governing body and DEQ requested?
Yes X No _____ *E.C. # 99-800*
4. Type of water supply system: Individual or shared well _____ Individual cistern _____
Individual surface water supply or spring _____ Multiple-family water supply system (3- 14 connections and fewer than 25 people) X Service connection to multiple-family system _____ Service connection to public system _____ Extension of public main _____ New public system _____
5. Type of wastewater treatment system: Individual or shared on-site septic system X Multiple-family on-site system (3-14 connections and fewer than 25 people) _____ Service connection to multiple-family system _____ Service connection to public system _____ Extension of public main _____ New public system _____
6. Name of solid waste (garbage) disposal site Waste Management of Great Falls / High Plains Sanitary Landfill East of Great Falls
7. Is information included which substantiates that there will be no degradation of state waters or that degradation will be nonsignificant? Yes
If not, have you enclosed an Application to Degrade? N/A
8. Descriptive Data:
 - a. Number of lots or rental spaces 1
 - b. Total acreage in lots being reviewed 10.03 acres
 - c. Total acreage in streets or roads 1.09 acres
 - d. Total acreage in parks, open space, and/or common facilities 0.0 acres
 - e. TOTAL gross acreage of subdivision 10.03 acres
 - f. Minimum size of lots or spaces 10.03 acres
 - g. Maximum size of lots or spaces 10.03 acres
9. Indicate the proposed use(s) and number of lots or spaces in each:
1 Residential, single family
_____ Residential, multiple family
_____ Types of multiple family structures and numbers of each (e.g. duplex)
_____ Planned Unit Development (No. of units _____)
_____ Condominium (No. of units _____)
_____ Mobile home park _____ Recreational vehicle park
_____ Commercial or industrial
_____ Other (please describe) _____

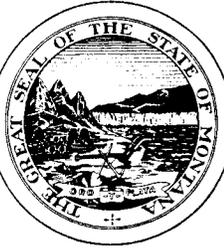
RECEIVED
MT. DEPT. OF ENV. QUAL.
PERMITTING & COMPLIANCE DIV.

160.00 2321
12-7-98 EX

DEPARTMENT OF ENVIRONMENTAL QUALITY

PERMITTING AND COMPLIANCE DIVISION

Air and Waste Management Bureau



MARC RACICOT, GOVERNOR

(406) 444-3490
FAX (406) 444-1499

STATE OF MONTANA

OFFICE: METCALF BUILDING
ADDRESS: 1520 E 6TH AVENUE

PO BOX 200901
HELENA, MONTANA 59620-0901

December 21, 1998

Keith Engebretson
LHC, Inc.
P.O. Box 7338
Kalispell, Montana 59904-0338

RECEIVED

DEC 22 1998

**ENVIRONMENTAL
QUALITY COUNCIL**

Dear Mr. Engebretson:

Air Quality Permit #2925-04 is deemed final as of December 19, 1998 by the Department of Environmental Quality. This permit is for a portable crusher, conveyor 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,

A handwritten signature in black ink, appearing to read "Richard Knatterud".

Richard Knatterud
Air Permitting Section Supervisor

RK:bjd

Enclosure

2001 11 10

11 10 2001

DEPARTMENT OF ENVIRONMENTAL QUALITY
Permitting and Compliance Division
Air and Waste Management Bureau
P.O. Box 200901, Helena, Montana 59620
(406) 444-3490

FINAL ENVIRONMENTAL ASSESSMENT (EA)

Issued For: LHC, Inc.
P.O. Box 7338
Kalispell, MT 59904-0338

Air Quality Permit Number: 2925-04

Department Decision on Modification Issued: 12/03/98
Final Permit Issued: 12/19/98

Montana Environmental Policy Act (MEPA) Compliance: An environmental assessment required by the MEPA, was completed for this project as follows.

Legal Description of Site: Various locations throughout Montana, original location at Sections 25 and 26, T29N, R22W, Flathead County, Montana.

Description of Project: Renewal of an addendum to operate in or with PM-10 nonattainment areas during the winter and summer months, from September 30, 1998 through September 30, 1999.

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

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 are contained in permit #2925-04.

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

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

Potential Impact on Human Environment

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

SUMMARY OF COMMENTS ON POTENTIAL IMPACTS: The following comments have been prepared by the Department.

POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

1. Terrestrial and Aquatic Life and Habitats

This facility will cause only nonsignificant impacts. The operation is portable and operates on small portions of land.

2. Water Quality, Quantity and Distribution

Water will be used as pollution control but is not expected to have significant impacts on the water quality, quantity or distribution because this operation is small and will not operate at any one site for long periods of time.

3. Geology and Soil Quality Stability and Moisture

4. Vegetation Cover, Quantity and Quality

Only nonsignificant impacts to the geology and soil quality, stability and moisture will be experienced. Only nonsignificant impacts to the vegetation cover, quantity and quality is expected. The original site of Section 25 and 26, T29N, R22W in Flathead County, has an opencut contract with the Industrial Minerals Bureau which includes a reclamation plan for this site. The reclamation plan considers soil stabilities and vegetative cover when mining is complete.

5. Aesthetics

The crusher operations will be visible and will create additional noise in the area. However, the impacts are expected to be nonsignificant because this operation is small by industrial standards and operates on small portions of land.

6. Air Quality

The department must be notified if there is a change in size of operation or equipment that results in an increase in emissions. Air quality impacts from the operation are nonsignificant. This permit includes conditions limiting the opacity from the plant, as well as requiring water spray bars to control air pollution.

7. Unique, Endangered, Fragile or Limited Environmental Resources

The department has contacted the Montana Natural Heritage Program (MNHP) in an effort to identify any species of special concern associated with the proposed site location. Search results have concluded there are several such environmental resources in the area. Area in this case will be defined by the township and range of the proposed site, with an additional five mile buffer.

These species of special concern include the Bald Eagle, Black Tern, Shorthead Sculpin, Subartic Bluet, Last Best Place Damselfly, Short Styled Thistle, Spalding's Champion, Latah Tule Pea, Spurred Gentian, Pygmy Water Lilly, Deer Indian Paintbrush, Beaked Spikerush, Red Root Flat Sedge, Slender Cottongrass, Water Bullrush, Small Yellow Lady's-Slipper, and Maidenhair Spleenwort. While these resources are found within the defined area, the MNHP search did not indicate any species of special concern located directly on the proposed site. Therefore, It is unlikely that any of the previously listed species will be adversely affected by the proposed project.

8. Demands on Environmental Resource of Water, Air and Energy

The operation will only demand small quantities of water, air and energy for proper operation; therefore, nonsignificant impacts to these resources is expected.

9. Historical and Archaeological Sites

The original site of Section 25 and 26, T29N, R22W in Flathead County, is not a recorded historical or archaeological site.

10. Cumulative and Secondary Impacts

There is potential for other portable operations to locate at any mining site where nonmetallic mineral processing may occur. However, any such operation would have to apply for and hold the appropriate permits/contracts from the department prior to operation. These permits/contracts will address the environmental impacts associated with such operations at this or any other site. Overall, the operations will have only nonsignificant impacts on the area because they affect only a small amount of property. All sites are limited to total particulate emissions of 250 tons/year or less from the plant and any associated equipment. There may be nonsignificant impacts created by traffic on haul roads; however, the authorizing agent of the road is required to take reasonable precautions to reduce fugitive emissions.

POTENTIAL IMPACT ON HUMAN ENVIRONMENT

1. Social Structures and Mores
2. Cultural Uniqueness and Diversity
8. Distribution of Population

There will be no disruption of native or traditional lifestyles or communities from this operation. The cultural uniqueness and diversity of the area will not be impacted by this operation. No change in housing needs will be required due to this operation.

3. Local and State Tax Base and Tax Revenue
7. Quantity and Distribution of Employment
9. Demands of Government Services

The operations will have little, if any, affects to the local and state tax base and tax revenue. This operation is not a permanent, stationary operation at any one site. Activities associated with this type of operation usually do not greatly affect the quality and distribution of employment in the area. Employees of the company travel with the equipment to various sites, however, local workers may be hired for short-term employment. The only government services demanded for this project will be acquiring the appropriate permits from government agencies.

4. Agricultural or Industrial Production
10. Industrial and Commercial Activity

Operations will not displace any agricultural production. This operation is very small by industrial standards and will therefore have only nonsignificant impact on local industrial production. More than likely, the activities will only employ people from the company. It is possible that company employees may stay in the area during the short-term project. No additional industrial or commercial activity is expected as a result of the operations.

5 Human Health

This permit incorporates conditions to ensure that the operations will be operated in compliance with all applicable rules and standards. These conditions are designed to be protective of human health and will therefore constitute nonsignificant impacts.

6. Access to and Quality of Recreational and Wilderness Activities

The operations will not affect access to recreational and wilderness activities.

11. Locally Adopted Environmental Plans and Goals

There will be no affect to the locally adopted environmental plans and goals because this plant will operate at sites where current zoning does not exclude this type of industry. Furthermore, Addendum 5 of permit #2925 limits production and visible emissions while operating within the PM-10 nonattainment to insure compliance with ambient standards.

12. Cumulative and Secondary Impacts

There is potential for other portable operations to locate at this site. However, any such operation would have to apply for and hold the appropriate permits/contracts from the DEQ, prior to operation. These permits/contracts will address the environmental impacts associated with such operations at this or any other site. Overall, the operations will have only nonsignificant impacts on the area because they affect only a small amount of land. All sites are limited to total particulate emissions of 250 tons/year or less from the plant and any associated equipment. There may be nonsignificant impacts created by traffic on haul roads, however, the authorizing agent of the road is required to take reasonable precautions to reduce fugitive emissions.

Recommendation: No EIS is required.

If an EIS is not required, explain why the EA is an appropriate level of analysis: This plant is a portable source and there will be no significant impacts. In addition, the controls contained in permit #2615-10 will further limit the emissions.

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

Individuals or groups contributing to this EA: Department of Environmental Quality, Permitting and Compliance Division.

Prepared by: Lana Hedlund

Date: 11/24/98

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DEPARTMENT OF ENVIRONMENTAL QUALITY

PERMITTING AND COMPLIANCE DIVISION

Air and Waste Management Bureau



MARC RACICOT, GOVERNOR

(406) 444-3490
FAX (406) 444-1499

STATE OF MONTANA

OFFICE: METCALF BUILDING
ADDRESS: 1520 E 6TH AVENUE

PO BOX 200901
HELENA, MONTANA 59620-0901

December 21, 1998

Keith Engebretson
LHC, Inc.
P.O. Box 7338
Kalispell, Montana 59904-0338

RECEIVED

DEC 22 1998

**ENVIRONMENTAL
QUALITY COUNCIL**

Dear Mr. Engebretson:

Air Quality Permit #2615-10 is deemed final as of December 19, 1998 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,

A handwritten signature in cursive script, appearing to read "Richard Knatterud".

Richard Knatterud
Air Permitting Section Supervisor

RK:bjd

Enclosure

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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

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

PM10 Emissions:

PM10 Emission Factor (Rated Load Capacity <50 tons): 2.70 Lbs/VMT
E(PM10)= (5 VMT/day)(2.70 Lbs/VMT)(0.5)
E(PM10)= 6.75 Lbs/day

VI. Existing Air Quality

On July 1, 1987 the Environmental Protection Agency (EPA) promulgated new National Ambient Air Quality Standards (NAAQS) for particulate matter with an aerodynamic diameter of 10 microns or less (PM-10). Due to exceedances of the national standards for PM-10, the city of Kalispell has been designated by EPA as nonattainment for PM-10. As a result of this designation, the EPA required the Department of Environmental Quality and the City-County Health Departments to submit Kalispell PM-10 State Implementation Plans (sips). The SIPS consisted of emission control plans that controlled fugitive dust emissions from roads, parking lots, construction, and demolition, since technical studies determined these sources to be the major contributors to PM-10 emissions.

This permit is for a portable crusher plant to be located in or within 10 kilometers of any PM-10 nonattainment area through September 30, 1999. The portable crusher plant will be allowed to operate in Sections 25 and 26, Township 29 North, Range 22 West, Flathead County, Montana during the winter months (October-March).

VII. Taking or Damaging 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.

VIII. Environmental Assessment

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

DEPARTMENT OF ENVIRONMENTAL QUALITY
Permitting and Compliance Division
Air and Waste Management Bureau
P.O. Box 200901, Helena, Montana 59620
(406) 444-3490

FINAL ENVIRONMENTAL ASSESSMENT (EA)

Issued For: LHC, Inc.
P.O. Box 7338
Kalispell, MT 59904-0338

Air Quality Permit Number: 2615-10

Department Decision on Modification Issued: 12/03/98
Final Permit issued: 12/19/98

Montana Environmental Policy Act (MEPA) Compliance: An environmental assessment required by the MEPA, was completed for this project as follows.

Legal Description of Site: Various locations throughout Montana, original location at Sections 25 and 26, T29N, R22W, Flathead County, Montana.

Description of Project: Renewal of an addendum to operate in or with PM-10 nonattainment areas during the winter and summer months, from September 30, 1998 through September 30, 1999.

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

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 are contained in permit #2615-10.

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

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

Potential Impact on Human Environment

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

SUMMARY OF COMMENTS ON POTENTIAL IMPACTS: The following comments have been prepared by the Department.

POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

1. Terrestrial and Aquatic Life and Habitats

This facility will cause only nonsignificant impacts. The operation is portable and operates on small portions of land.

2. Water Quality, Quantity and Distribution

Water will be used as pollution control but is not expected to have significant impacts on the water quality, quantity or distribution because this operation is small and will not operate at any one site for long periods of time.

3. Geology and Soil Quality Stability and Moisture

4. Vegetation Cover, Quantity and Quality

Only nonsignificant impacts to the geology and soil quality, stability and moisture will be experienced. Only nonsignificant impacts to the vegetation cover, quantity and quality is expected. The original site of Section 25 and 26, T29N, R22W in Flathead County, has an opencut contract with the Industrial Minerals Bureau, which includes a reclamation plan for this site. The reclamation plan considers soil stabilities and vegetative cover when mining is complete.

5. Aesthetics

The crusher operations will be visible and will create additional noise in the area. However, the impacts are expected to be nonsignificant because this operation is small by industrial standards and operates on small portions of land.

6. Air Quality

The department must be notified if there is a change in size, of operation or equipment that results in an increase in emissions. Air quality impacts from the operation are nonsignificant. This permit includes conditions limiting the opacity from the plant, as well as requiring water spray bars to control air pollution.

7. Unique, Endangered, Fragile or Limited Environmental Resources

The department has contacted the Montana Natural Heritage Program (MNHP) in an effort to identify any species of special concern associated with the proposed site location. Search results have concluded there are several such environmental resources in the area. Area in this case will be defined by the township and range of the proposed site, with an additional five mile buffer.

These species of special concern include the Bald Eagle, Black Tern, Shorthead Sculpin, Subartic Bluet, Last Best Place Damselfly, Short Styled Thistle, Spalding's Campion, Latah Tule Pea, Spurred Gentian, Pygmy Water Lilly, Deer Indian Paintbrush, Beaked Spikerush, Red Root Flat Sedge, Slender Cottongrass, Water Bullrush, Small Yellow Lady's-Slipper, and

Maidenhair Spleenwort. While these resources are found within the defined area, the MNHP search did not indicate any species of special concern located directly on the proposed site. Therefore, it is unlikely that any of the previously listed species will be adversely affected by the proposed project.

8. Demands on Environmental Resource of Water, Air and Energy

The operation will only demand small quantities of water, air and energy for proper operation; therefore, nonsignificant impacts to these resources is expected.

9. Historical and Archaeological Sites

The original site of Section 25 and 26, T29N, R22W in Flathead County, is not a recorded historical or archaeological site.

10. Cumulative and Secondary Impacts

There is potential for other portable operations to locate at any mining site where nonmetallic mineral processing may occur. However, any such operation would have to apply for and hold the appropriate permits/contracts from the department prior to operation. These permits/contracts will address the environmental impacts associated with such operations at this or any other site. Overall, the operations will have only nonsignificant impacts on the area because they affect only a small amount of property. All sites are limited to total particulate emissions of 250 tons/year or less from the plant and any associated equipment. There may be nonsignificant impacts created by traffic on haul roads; however, the authorizing agent of the road is required to take reasonable precautions to reduce fugitive emissions.

POTENTIAL IMPACT ON HUMAN ENVIRONMENT

1. Social Structures and Mores
2. Cultural Uniqueness and Diversity
8. Distribution of Population

There will be no disruption of native or traditional lifestyles or communities from this operation. The cultural uniqueness and diversity of the area will not be impacted by this operation. No change in housing needs will be required due to this operation.

3. Local and State Tax Base and Tax Revenue
7. Quantity and Distribution of Employment
9. Demands of Government Services

The operations will have little, if any, affects to the local and state tax base and tax revenue. This operation is not a permanent, stationary operation at any one site. Activities associated with this type of operation usually do not greatly affect the quality and distribution of employment in the area. Employees of the company travel with the equipment to various sites; however, local workers may be hired for short-term employment. The only government services demanded for this project will be acquiring the appropriate permits from government agencies.

4. Agricultural or Industrial Production
10. Industrial and Commercial Activity

Operations will not displace any agricultural production. This operation is very small by industrial standards and will, therefore, have only nonsignificant impact on local industrial production. More than likely, the activities will only employ people from the company. It is possible that company employees may stay in the area during the short-term project. No additional industrial or commercial activity is expected as a result of the operations.

5 Human Health

This permit incorporates conditions to ensure that the operations will be operated in compliance with all applicable rules and standards. These conditions are designed to be protective of human health and will, therefore, constitute nonsignificant impacts.

6. Access to and Quality of Recreational and Wilderness Activities

The operations will not affect access to recreational and wilderness activities.

11. Locally Adopted Environmental Plans and Goals

There will be no affect to the locally adopted environmental plans and goals because this plant will operate at sites where current zoning does not exclude this type of industry. Furthermore, Addendum 10 of permit #2615 limits production and visible emissions while operating within the PM-10 nonattainment to insure compliance with ambient standards.

12. Cumulative and Secondary Impacts

There is potential for other portable operations to locate at this site. However, any such operation would have to apply for and hold the appropriate permits/contracts from the DEQ, prior to operation. These permits/contracts will address the environmental impacts associated with such operations at this or any other site. Overall, the operations will have only nonsignificant impacts on the area because they affect only a small amount of land. All sites are limited to total particulate emissions of 250 tons/year or less from the plant and any associated equipment. There may be nonsignificant impacts created by traffic on haul roads, however, the authorizing agent of the road is required to take reasonable precautions to reduce fugitive emissions.

Recommendation: No EIS is required.

If an EIS is not required, explain why the EA is an appropriate level of analysis: This plant is a portable source and there will be no significant impacts. In addition, the controls contained in permit #2615-10 will further limit the emissions.

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

Individuals or groups contributing to this EA: Department of Environmental Quality, Permitting and Compliance Division.

Prepared by: Lania Hedlund
Date: 11/24/98

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

FINAL ENVIRONMENTAL ASSESSMENT (EA)

Issued For: Franzen-Davis Funeral Home Inc.
118 North 3rd Street
Livingston, Montana 59047

RECEIVED

DEC 22 1998

**ENVIRONMENTAL
QUALITY COUNCIL**

Permit Number: 3030-00

Preliminary Determination on Permit Issued: December 4, 1998
Department Decision Issued: December 21, 1998

Montana Environmental Policy Act (MEPA) Compliance: An environmental assessment, required by MEPA, was completed for this project as follows.

Legal Description of Site: Block 60 of Section 13, Township 2 South, Range 9 East, Park County, Montana

Description of Project: Franzen-Davis proposes to install a crematorium at their facility to cremate human remains.

Benefits and Purpose of Proposal: This project will provide families with an alternative method of burial for family members.

Description and analysis of reasonable alternatives whenever alternatives are reasonably available and prudent to consider: A reasonable alternative would be the no action alternative. This would require that no human remains be cremated by Franzen-Davis. With this alternative families would not have the option of cremating family members. The department has reviewed a best available control technology analysis and a risk assessment for this proposal. These are contained in the permit analysis and demonstrate that this proposed project will not violate any air quality requirements.

A listing and appropriate evaluation of mitigation, stipulations and other controls enforceable by the agency or another government agency: A listing of the enforceable permit conditions and a permit analysis are contained in permit #3030-00.

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 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 Included
1	Terrestrial and Aquatic Life and Habitats			X			yes
2	Water Quality, Quantity and Distribution				X		yes
3	Geology and Soil Quality, Stability and Moisture				X		yes
4	Vegetation Cover, Quantity and Quality				X		yes
5	Aesthetics			X			yes
6	Air Quality			X			yes
7	Unique Endangered, Fragile or Limited Environmental Resource			X			yes
8	Demands on Environmental Resource of Water, Air and Energy			X			yes
9	Historical and Archaeological Sites				X		yes
10	Cumulative and Secondary Impacts			X			yes

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

SUMMARY OF COMMENTS ON POTENTIAL IMPACTS: The following comments have been prepared by the Department.

Potential Impact on Physical Environment

1. Terrestrial and Aquatic Life and Habitats

Terrestrials will use the same areas as the crematorium. However, the crematorium will present only minor affects to the terrestrial life.

2. Water Quality, Quantity and Distribution

Water will not be affected in any manner from this proposal.

3. Geology and Soil Quality, Stability and Moisture

The soils will not be impacted by the crematorium because it will be located in an existing building. No new construction of footings, foundations, etc. that would disturb the soil will be necessary.

4. Vegetation Cover, Quantity and Quality

The vegetation cover will not be affected by the crematorium because it will be located in an existing building. No new construction of footings, foundations, etc. that would disturb the soil will be necessary

5. Aesthetics

There may be visible emissions from the operation of the crematorium; however, any impacts will be minor because the crematorium will be limited by permit to an opacity of 10%.

6. Air Quality

The air quality impacts from the crematorium are minor. Permit #3030-00 includes conditions limiting the opacity from the crematorium as well as a particulate emission limit.

7. Unique Endangered, Fragile or Limited Environmental Resources

The affects to unique, endangered, fragile, or limited environmental resources are minor because the crematorium is small and its emissions are well regulated.

8. Demands on Environmental Resource of Water, Air and Energy

The crematorium will only demand small quantities of air and energy for proper operation.

9. Historical and Archaeological Sites

Historical and archeological sites are not present at the pre-existing facility where the crematorium will operate.

10. **Cumulative and Secondary Impacts**

The addition of this crematorium will only present minor Cumulative and Secondary Impacts because the amount of emissions from this type of operation are small and well regulated. In addition, a health risk assessment was completed as part of this permitting action which demonstrates that the proposed crematorium would constitute a negligible risk to human health and the environment.

Potential Impact on Human Environment

1. **Social Structures and Mores**

There will be no disruption of native or traditional lifestyles or communities from the crematorium.

2. **Cultural Uniqueness and Diversity**

The crematorium will not cause a change in the cultural uniqueness and diversity of the area.

3. **Local and State Tax Base and Tax Revenue**

The crematorium will have a minor impact on the local and state tax base and tax revenue. The crematorium will serve a need and will generate local revenue in the process.

4. **Agricultural or Industrial Production**

The crematorium will not create any agricultural or industrial production.

5. **Human Health**

Permit #3030-00 incorporates conditions to ensure that the crematorium will be operated in compliance with all applicable rules and standards. In addition, a health risk assessment was conducted as part of this permit that demonstrates there will be negligible risk to human health and the environment from the crematorium.

6. **Access to and Quality of Recreational and Wilderness Activities**

The operation of the crematorium will not have any affect on the access to and quality of recreational and wilderness activities.

7. **Quantity and Distribution of Employment**

The operation of the crematorium will not affect the quantity and distribution of employment in the area. No new employees will be hired as a result of this project.

8. **Distribution of Population**

The operation of the crematorium will not require additional or less housing in the area because no new employees will be hired as a result of this project.

9. Demands of Government Services

Minor increases may be seen in traffic on existing roads in the area while the crematorium is operating. The only other government services demanded for this project will be acquiring the appropriate permits.

10. Industrial and Commercial Activity

The crematorium will not result in an increase in the industrial and commercial activity in the area.

11. Locally Adopted Environmental Plans and Goals

The crematorium will not affect any locally adopted environmental plans and goals.

12. Cumulative and Secondary Impacts

The addition of this crematorium will only present minor Cumulative and Secondary Impacts because the amount of emissions from this type of operation are small and well regulated. In addition, a health risk assessment was completed as part of this permitting action which demonstrates that the proposed crematorium would constitute a negligible risk to human health and the environment.

Recommendation: An EIS is not required.

If an EIS is not required, explain why the EA is an appropriate level of analysis: The source is applying the Best Available Control Technology; the analyses indicates compliance with all applicable air quality rules and regulations; and there are no major impacts associated with this proposal.

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

Individuals or groups contributing to this EA: Department of Environmental Quality - Air and Waste Management Bureau.

EA prepared by: David Klemp

Date: December 3, 1998

DEPARTMENT OF ENVIRONMENTAL QUALITY

PERMITTING AND COMPLIANCE DIVISION

Air and Waste Management Bureau



MARC RACICOT, GOVERNOR

(406) 444-3490
FAX (406) 444-1499

STATE OF MONTANA

OFFICE: METCALF BUILDING
ADDRESS: 1520 E 6TH AVENUE

PO BOX 200901
HELENA, MONTANA 59620-0901

December 21, 1998

John Altenburg
Schellinger Construction Company
P.O. Box 39
Columbia Falls, Montana 59912

RECEIVED

DEC 22 1998

**ENVIRONMENTAL
QUALITY COUNCIL**

Dear Mr. Altenburg:

Air Quality Permit #2623-11 is deemed final as of December 19, 1998 by the Department of Environmental Quality. This permit is for a portable gravel crusher. 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,

Handwritten signature of Richard Knatterud.

Richard Knatterud
Air Permitting Section Supervisor

RK:bjd

Enclosure

THE UNIVERSITY OF CHICAGO
LIBRARY

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PHYSICS DEPARTMENT
5712 S. UNIVERSITY AVE.

DEPARTMENT OF ENVIRONMENTAL QUALITY
Permitting and Compliance Division
P.O. Box 200901, Helena, Montana 59620
(406) 444-3490

FINAL ENVIRONMENTAL ASSESSMENT (EA)

Issued For: Schellinger Construction Company
P.O. Box 39
Columbia Falls, Montana 59912

Permit Number: 2623-11

Department Decision on Modification Issued: 12/03/98
Final Permit Issued: 12/19/98

Montana Environmental Policy Act (MEPA) Compliance: An environmental assessment required by the MEPA, was completed for this project as follows.

Summer Location: Any location in or within 10 kilometers of any PM-10 nonattainment area through the summer months (April 1, 1999 to September 30, 1999).

Winter Locations: At any of the following locations within the Kalispell PM-10 nonattainment area.

NE $\frac{1}{4}$, SW $\frac{1}{4}$, Section 23, Township 30 North, Range 21 West (A-1 Paving Hodgson Road Pit),

NE $\frac{1}{4}$, NE $\frac{1}{4}$, Section 26, Township 29 North, Range 22 West (Tutvedt Pit),

NW $\frac{1}{4}$, NW $\frac{1}{4}$, Section 31, Township 29 North, Range 21 West (NUPAC Pit),

NW $\frac{1}{4}$, NW $\frac{1}{4}$, Section 22, Township 29 North, Range 21 West (A-1 Paving Mohl Pit),

N $\frac{1}{2}$, Section 21, Township 30 North, Range 21 West (Carlson Pit),

S $\frac{1}{2}$ SE $\frac{1}{4}$, Section 31, Township 31 North, Range 22 West (Peschel Pit), and

NE $\frac{1}{4}$ and SE $\frac{1}{4}$ of NW $\frac{1}{4}$, Section 9, Township 27 North, Range 21 West (Spoklie Pit).

Description of Project: This permit and addendum are for the operation of a 1976 Pioneer 50 VE portable Duplex gravel crusher #50-VE-217 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 are contained in permit #2623-11 and in Addendum 11 to the permit.

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 applicable requirements and do not unduly restrict private property rights.

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

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

SUMMARY OF COMMENTS ON POTENTIAL IMPACTS: The following comments have been prepared by the Department.

POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

1. Terrestrial and Aquatic Life and Habitats

Terrestrials will use the areas in which the crusher operations occur. However, the crusher operations alone will present only minor affects to the terrestrial life. In addition, the crusher operations are portable and the affects will be limited by short-term nature of operation. Furthermore, since all of the Schellinger wintertime sites are preexisting pits, additional impacts to the terrestrial and aquatic life and habitats are not expected as a result of the crusher operations.

2. Water Quality, Quantity and Distribution

Water will be used as air pollution control, but will only cause a minor disturbance to the area. No surface water or ground water quality problems are expected as a result of using water for air pollution control because the water will only be used to reduce the fugitive dust. Any accidental spills or leaks from equipment will be handled according to the appropriate environmental regulations in an effort to minimize any potential adverse impact on the immediate and surrounding water quality.

3. Geology and Soil Quality, Stability and Moisture

The soils will be impacted by the crusher operations. The impacts will be minor due to the size of the operation and the small amount of time that is spent at each of the sites by the portable plant. All of the proposed wintertime sites are preexisting and have applied for and received an open cut mining contract from the Industrial and Energy Minerals Bureau. Following the mining in each of the contracted opencut sites, the sites will be revegetated to protect the soil quality, stability, and moisture.

4. Vegetation Cover, Quantity and Quality

The quality and quantity of vegetation cover will be affected by the crusher operations. Given the temporary nature of the facility and its operations the impacts will be minor. Following the mining in each of the contracted opencut sites, the sites will be revegetated to enhance the vegetation cover, quantity, and quality.

5. Aesthetics

The crusher operations will be visible and will create additional noise in the area. Permit #2623-11 includes conditions to control emissions (including visible emissions) from the plant. Since the crusher operations are small, and temporary, any noise impacts will be minimal. Additional restrictions have been placed on the crusher operations to protect the air quality at any winter time location in or within 10 kilometers of any PM10 nonattainment area.

6. Air Quality

The air quality impacts from the crusher operations are minor. Permit #2623-11 includes conditions limiting the opacity from the plant, as well as requiring water spray bars to control air pollution. The crusher operations are limited by permit #2623-11 to total particulate emissions of 250 tons per year or less from non-fugitive sources at the plant, in addition to any additional equipment at any individual site.

SCREEN3 modeling was performed for the facility to demonstrate what production limits were necessary to be protective of the ambient air quality standards while operating in or within 10 kilometers of any PM10 nonattainment area. By limiting the amount of material that is crushed and screened while operating in or within 10 kilometers of any nonattainment area, permit #2623-11 will be protective of the ambient air quality standards.

7. Unique Endangered, Fragile or Limited Environmental Resources

The department has contacted the Montana Natural Heritage Resource Program in an effort to identify any sensitive, unique, endangered, or threatened environmental resource. Search results have concluded that there are several such environmental resources in the areas. Area in this case will be defined by the township and range of the proposed site with an additional one mile buffer. The environmental resources of interest include the common loon, bald eagle, black tern, le conte's sparrow, shorthead sculpin, last best place damselfly, short-styled thistle, spalding's campion, latah tule pea, spurred gentian, pygmy water-lily, deer indian paintbrush, kidney-leaf white violet, red-root flatsedge, beaked spikerush, slender cottongrass, water bulrush, columbia water-meal, small yellow lady's slipper, maidenhair spleenwort, grizzly bear, and the guadalupe water-nymph. The department has determined that it is unlikely that the proposed operations will cause an adverse impact on any of the aforementioned sensitive, unique, endangered, or threatened species. The amount of property used by the crusher operations is quite small compared with the surrounding habitat for the unique, endangered, or threatened species mentioned above.

8. Demands on Environmental Resource of Water, Air and Energy

The crusher operations will only demand small quantities of water, air, and energy for proper operating. Generally, the operations are seasonal, which results in smaller demands on the environmental resources.

9. Historical and Archaeological Sites

The department has contacted the Montana Historical Society, Historic Preservation Office to determine if there are any historical or archaeological sites located on the proposed premises. As reported by the Montana Historical Society, there are currently no previously recorded historic or archaeological sites within the designated search locale that includes the Tutvedt Pit, Peschel Pit, Carlson Pit, Nupac Pit, and the Spoklie Pit. Further review of the Industrial and Energy Minerals Bureau, Open cut Mining files indicates that there are no known historic or archaeological sites within the A-1 Paving Hodgson Pit or the A-1 Paving Mohl Pit.

10. Cumulative and Secondary Impacts

The crusher operations will cause a minor affect to both the physical environment and human environment. There is potential for other operations to locate at these sites. However, any operations will have to apply for and receive the appropriate permits from the department prior to operation. These permits will address the environmental impacts associated with the operations at this or any other site. The crusher operations are limited by permit #2623-11 to total particulate emissions of 250 tons per year or less from non-fugitive crusher operations and any other additional equipment used at the site. In addition, crushing and screening limitations have been placed in Addendum 11 to permit 2623-11 to further protect the ambient air quality standards of the PM10 nonattainment areas.

POTENTIAL IMPACT ON HUMAN ENVIRONMENT

1. Social Structures and Mores

The crusher operation will cause no disruption to the native or traditional lifestyles or communities of the area.

2. Cultural Uniqueness and Diversity

The crusher operation will have no impact on the cultural uniqueness and diversity of the area.

3. Local and State Tax Base and Tax Revenue

The crusher operations will have little affect on the local and state tax base and tax revenue. The facility is a temporary source; however, most of the crushing that Schellinger Construction does is in the vicinity of the Kalispell area. Although portable, the crusher operations are steady and employ numerous people in the area.

4. Agricultural or Industrial Production

The crusher operations will not displace any agricultural production. The crusher operations are small by industrial standards and will therefore have only a minor impact on local industrial production.

5. Human Health

Permit #2623-11 incorporates conditions to ensure that the crusher operations will be operated in compliance with all applicable rules and standards. These rules and standards are designed to be protective of human health. Further restraints will be placed on Schellinger while operating in or within any PM10 nonattainment area during the winter months to be protective of the PM10 nonattainment areas.

6. Access to and Quality of Recreational and Wilderness Activities

The crusher operations will not affect any access to recreational and wilderness activities. However, minor affects to the quality of recreational and wilderness activities may be created by the additional noise that will be created from the crusher operations. Any impacts from the site will be temporary due to the portable nature of the crusher operations.

7. Quantity and Distribution of Employment

The activities from the crusher operations will not result in any increased employment or a change in the distribution of employment in the area. Schellinger will utilize current employees for the crushing and screening operation.

8. Distribution of Population

The crusher operations will not disrupt the normal population distribution in the area. Schellinger employees may utilize temporary housing or hotels for the duration of projects that keep them from home. However, no distribution of population will result from the crusher operations.

9. Demands of Government Services

Minor increases will be seen in traffic on existing roads in the area while the crusher operations are in progress. Further monitoring of these roads may be required. The only other government services demanded for this project will be acquiring the appropriate permits from government agencies.

10. Industrial and Commercial Activity

The crusher operations represent only a minor increase in the industrial activity in the area. No additional industrial or commercial activity is expected as a result of the crusher operations. However, the product from the crusher operations may be used for building any industrial or commercial facilities that may locate in the area.

11. Locally Adopted Environmental Plans and Goals

This permit will be protective of the PM10 nonattainment areas that are covered in the State Implementation Plans (SIPs). Addendum 11 to permit 2623-11 contains additional requirements that Schellinger must comply with while operating in or within 10 kilometers of any PM10 nonattainment area.

12. Cumulative and Secondary Impacts

The crusher operations will cause a minor affect to both the physical environment and human environment. There is potential for other operations to locate at these sites. However, any operations will have to apply for and receive the appropriate permits from the department prior to operation. These

permits will address the environmental impacts associated with the operations at this or any other site. The crusher operations are limited by permit #2623-11 to total particulate emissions of 250 tons per year or less from non-fugitive crusher operations and any other additional equipment used at the site. In addition, crushing and screening limitations have been placed in Addendum 11 to permit 2623-11 to further protect the ambient air quality standards of the PM10 nonattainment areas.

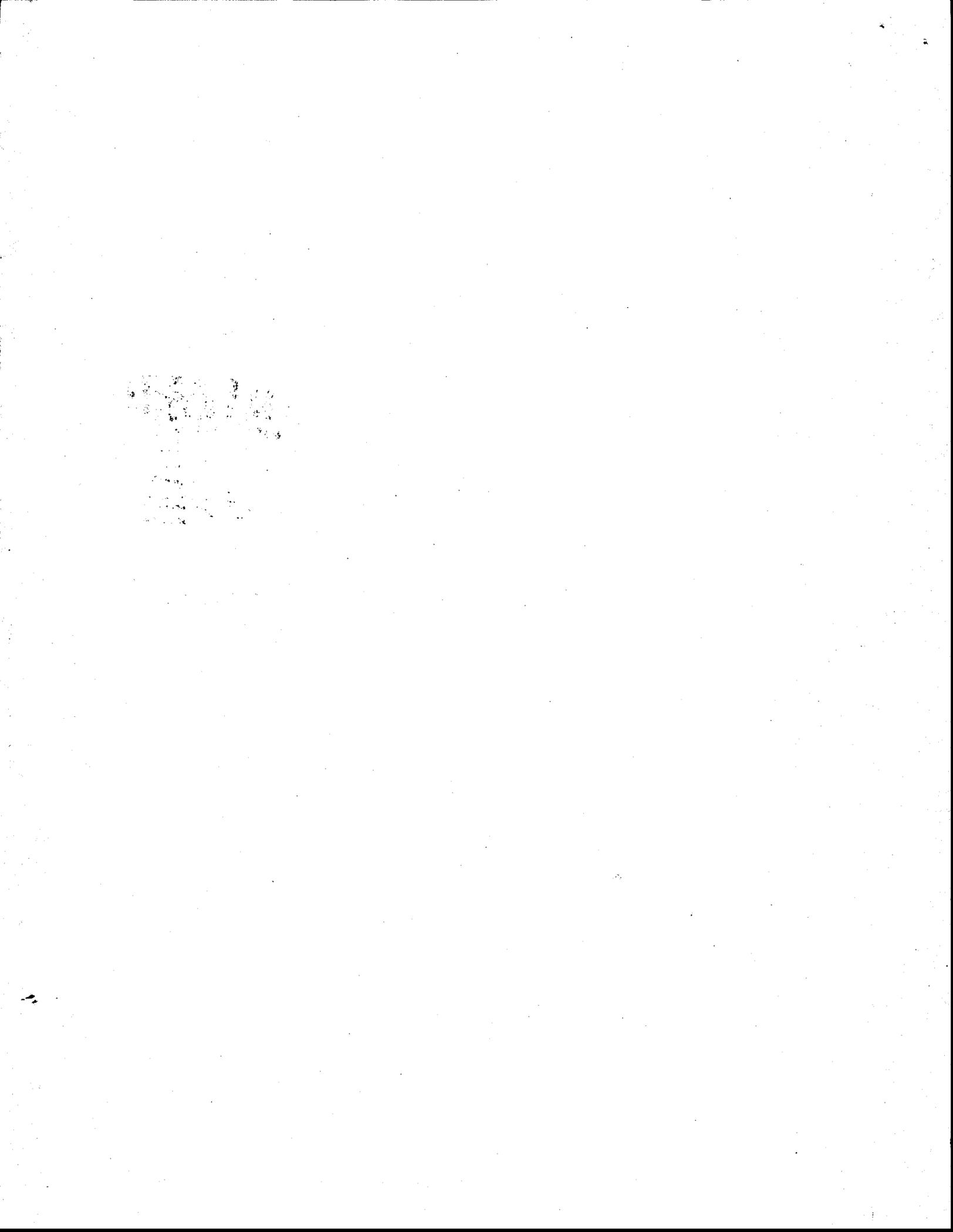
Recommendation: No EIS is required.

If an EIS is not required, explain why the EA is an appropriate level of analysis: Since this plant is a portable source, there will be no significant impacts to any one area. The controls contained in permit #2623-11 and Addendum 11 will limit the emissions and protect human health and the ambient standards.

Other groups or agencies contacted or which may have overlapping jurisdiction: Department of Environmental Quality (DEQ) - Industrial and Energy Minerals Bureau (IEMB), Montana Historical Society, and Montana Natural Resource Information System.

Individuals or groups contributing to this EA: DEQ - Air and Waste Management Bureau (AWMB), DEQ - IEMB, Montana Natural Heritage Program, State Historical Preservation Office.

Revised EA prepared by: Dan Walsh
Date: December 1, 1998



DEPARTMENT OF ENVIRONMENTAL QUALITY

PERMITTING AND COMPLIANCE DIVISION

Air and Waste Management Bureau



MARC RACICOT, GOVERNOR

(406) 444-3490
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STATE OF MONTANA

OFFICE: METCALF BUILDING
ADDRESS: 1520 E 6TH AVENUE

PO BOX 200901
HELENA, MONTANA 59620-0901

December 21, 1998

John Altenburg
Schellinger Construction Company
P.O. Box 39
Columbia Falls, Montana 59912

RECEIVED

DEC 22 1998

**ENVIRONMENTAL
QUALITY COUNCIL**

Dear Mr. Altenburg:

Air Quality Permit #2624-07 is deemed final as of December 19, 1998 by the Department of Environmental Quality. This permit is for a portable gravel crusher. 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,

Handwritten signature of Richard Knatterud in cursive.

Richard Knatterud
Air Permitting Section Supervisor

RK:bjd

Enclosure

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V. Existing Air Quality

On July 1, 1987, the Environmental Protection Agency (EPA) promulgated new National Ambient Air Quality Standards (NAAQS) for particulate matter with an aerodynamic diameter of 10 microns or less (PM-10). Due to exceedances of the national standards for PM-10, the city of Kalispell and the nearby Evergreen area have been designated by EPA as nonattainment for PM-10. As a result of this designation, the EPA required the Department of Environmental Quality and the Flathead City-County Health Department to submit the Kalispell PM-10 State Implementation Plan (SIP) in November, 1991. The SIP consisted of an emission control plan that controlled fugitive dust emissions from roads, parking lots, construction, and demolition, since technical studies determined these sources to be the major contributors to PM-10 emissions.

This permit is for a portable crusher plant to operate at any one of seven locations in or within 10 kilometers of the Kalispell PM-10 nonattainment area during the winter months, and any location in or within 10 kilometers of any PM-10 nonattainment area during the summer months. The stringent operating conditions will minimize the impacts on the nonattainment areas and protect the national ambient air quality standards.

VI. Taking or Damaging 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 Policy Act, was completed for this project. A copy is attached.

DEPARTMENT OF ENVIRONMENTAL QUALITY
Permitting and Compliance Division
P.O. Box 200901, Helena, Montana 59620
(406) 444-3490

FINAL ENVIRONMENTAL ASSESSMENT (EA)

Issued For: Schellinger Construction Company
P.O. Box 39
Columbia Falls, Montana 59912

Permit Number: 2624-07

Department Decision on Modification Issued: 12/03/98
Final Permit Issued: 12/19/98

Montana Environmental Policy Act (MEPA) Compliance: An environmental assessment required by the MEPA, was completed for this project as follows.

Summer Location: Any location in or within 10 kilometers of any PM-10 nonattainment area through the summer months (April 1, 1999 to September 30, 1999).

Winter Locations: At any of the following locations within the Kalispell PM-10 nonattainment area.

NE¼, SW¼, Section 23, Township 30 North, Range 21 West (A-1 Paving Hodgson Road Pit),
NE¼, NE¼, Section 26, Township 29 North, Range 22 West (Tutvedt Pit),
NW¼, NW¼, Section 31, Township 29 North, Range 21 West (NUPAC Pit),
NW¼, NW¼, Section 22, Township 29 North, Range 21 West (A-1 Paving Mohl Pit),
N½, Section 21, Township 30 North, Range 21 West (Carlson Pit),
S½ SE¼, Section 31, Township 31 North, Range 22 West (Peschel Pit), and
NE¼ and SE¼ of NW¼, Section 9, Township 27 North, Range 21 West (Spoklie Pit).

Description of Project: This permit and addendum are for the operation of a 1976 Pioneer 50 VE portable Duplex gravel crusher #50-VE-217 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 are contained in permit #2624-07 and in Addendum 7 to the permit.

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 applicable requirements and do not unduly restrict private property rights.

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

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

SUMMARY OF COMMENTS ON POTENTIAL IMPACTS: The following comments have been prepared by the Department.

POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

1. Terrestrial and Aquatic Life and Habitats

Terrestrials will use the areas in which the crusher operations occur. However, the crusher operations alone will present only minor affects to the terrestrial life. In addition, the crusher operations are portable and the affects will be limited by short-term nature of operation. Furthermore, since all of the Schellinger winter time sites are preexisting pits, additional impacts to the terrestrial and aquatic life and habitats are not expected as a result of the crusher operations.

2. Water Quality, Quantity and Distribution

Water will be used as air pollution control, but will only cause a minor disturbance to the area. No surface water or ground water quality problems are expected as a result of using water for air pollution control because the water will only be used to reduce the fugitive dust. Any accidental spills or leaks from equipment will be handled according to the appropriate environmental regulations in an effort to minimize any potential adverse impact on the immediate and surrounding water quality.

3. Geology and Soil Quality, Stability and Moisture

The soils will be impacted by the crusher operations. The impacts will be minor due to the size of the operation and the small amount of time that is spent at each of the sites by the portable plant. All the proposed wintertime sites are preexisting and have applied for and received an open cut mining contract from the Industrial and Energy Minerals Bureau. Following the mining in each of the contracted opencut sites, the sites will be revegetated to protect the soil quality, stability, and moisture.

4. Vegetation Cover, Quantity and Quality

The quality and quantity of vegetation cover will be affected by the crusher operations. Given the temporary nature of the facility and its operations the impacts will be minor. Following the mining in each of the contracted opencut sites, the sites will be revegetated to enhance the vegetation cover, quantity, and quality.

5. Aesthetics

The crusher operations will be visible and will create additional noise in the area. Permit #2624-07 includes conditions to control emissions (including visible emissions) from the plant. Since the crusher operations are small, and temporary, any noise impacts will be minimal. Additional restrictions have been placed on the crusher operations to protect the air quality at any winter time location in or within 10 kilometers of any PM10 nonattainment area.

6. Air Quality

The air quality impacts from the crusher operations are minor. Permit #2624-07 includes conditions limiting the opacity from the plant, as well as requiring water spray bars to control air pollution. The crusher operations are limited by permit #2624-07 to total particulate emissions of 250 tons per year or less from non-fugitive sources at the plant, in addition to any additional equipment at any individual site.

SCREEN3 modeling was performed for the facility to demonstrate what production limits were necessary to be protective of the ambient air quality standards while operating in or within 10 kilometers of any PM10 nonattainment area. By limiting the amount of material that is crushed and screened while operating in or within 10 kilometers of any nonattainment area, permit #2624-07 will be protective of the ambient air quality standards.

7. Unique Endangered, Fragile or Limited Environmental Resources

The department has contacted the Montana Natural Heritage Resource Program in an effort to identify any sensitive, unique, endangered, or threatened environmental resource. Search results have concluded that there are several such environmental resources in the areas. Area in this case will be defined by the township and range of the proposed site with an additional one mile buffer. The environmental resources of interest include the common loon, bald eagle, black tern, le conte's sparrow, shorthead sculpin, last best place damselfly, short-styled thistle, spalding's campion, latah tule pea, spurred gentian, pygmy water-lily, deer indian paintbrush, kidney-leaf white violet, red-root flatsedge, beaked spikerush, slender cottongrass, water bulrush, columbia water-meal, small yellow lady's slipper, maidenhair spleenwort, grizzly bear, and the guadalupe water-nymph. The department has determined it is unlikely that the proposed operations will cause an adverse impact on any of the aforementioned sensitive, unique, endangered, or threatened species. The amount of property used by the crusher operations is quite small compared with the surrounding habitat for the unique, endangered, or threatened species mentioned above.

8. Demands on Environmental Resource of Water, Air and Energy

The crusher operations will only demand small quantities of water, air, and energy for proper operating. Generally, the operations are seasonal, which results in smaller demands on the environmental resources.

9. Historical and Archaeological Sites

The department has contacted the Montana Historical Society, Historic Preservation Office to determine if there are any historical or archaeological sites located on the proposed premises. As reported by the Montana Historical Society, there are currently no previously recorded historic or archaeological sites within the designated search locale that includes the Tutvedt Pit, Peschel Pit, Carlson Pit, Nupac Pit, and the Spoklie Pit. Further review of the Industrial and Energy Minerals Bureau, Open cut Mining files indicates there are no known historic or archaeological sites within the A-1 Paving Hodgson Pit or the A-1 Paving Mohl Pit.

10. Cumulative and Secondary Impacts

The crusher operations will cause a minor affect to both the physical environment and human environment. There is potential for other operations to locate at these sites. However, any operations will have to apply for and receive the appropriate permits from the department prior to operation. These permits will address the environmental impacts associated with the operations at this or any other site. The crusher operations are limited by permit #2624-07 to total particulate emissions of 250 tons per year or less from non-fugitive crusher operations and any other additional equipment used at the site. In addition, crushing and screening limitations have been placed in Addendum 7 to permit 2624-07 to further protect the ambient air quality standards of the PM10 nonattainment areas.

POTENTIAL IMPACT ON HUMAN ENVIRONMENT

1. Social Structures and Mores

The crusher operation will cause no disruption to the native or traditional lifestyles or communities of the area.

2. Cultural Uniqueness and Diversity

The crusher operation will have no impact on the cultural uniqueness and diversity of the area.

3. Local and State Tax Base and Tax Revenue

The crusher operations will have little affects on the local and state tax base and tax revenue. The facility is a temporary source; however, most of the work crushing that Schellinger Construction does is in the vicinity of the Kalispell area. Although portable, the crusher operations are steady and employ numerous people in the area.

4. Agricultural or Industrial Production

The crusher operations will not displace any agricultural production. The crusher operations are small by industrial standards and will therefore have only a minor impact on local industrial production.

5. Human Health

Permit #2624-07 incorporates conditions to ensure that the crusher operations will be operated in compliance with all applicable rules and standards. These rules and standards are designed to be protective of human health. Further restraints will be placed on Schellinger while operating in or within any PM10 nonattainment area during the winter months to be protective of the PM10 nonattainment areas.

6. Access to and Quality of Recreational and Wilderness Activities

The crusher operations will not affect any access to recreational and wilderness activities. However, minor affects to the quality of recreational and wilderness activities may be created by the additional noise that will be created from the crusher operations. Any impacts from the site will be temporary due to the portable nature of the crusher operations.

7. Quantity and Distribution of Employment

The activities from the crusher operations will not result in any increased employment or a change in the distribution of employment in the area. Schellinger will utilize current employees for the crushing and screening operation.

8. Distribution of Population

The crusher operations will not disrupt the normal population distribution in the area. Schellinger employees may utilize temporary housing or hotels for the duration of projects that keep them from home. However, no distribution of population will result from the crusher operations.

9. Demands of Government Services

Minor increases will be seen in traffic on existing roads in the area while the crusher operations are in progress. Further monitoring of these roads may be required. The only other government services demanded for this project will be acquiring the appropriate permits from government agencies.

10. Industrial and Commercial Activity

The crusher operations represent only a minor increase in the industrial activity in the area. No additional industrial or commercial activity is expected as a result of the crusher operations. However, the product from the crusher operations may be used for building any industrial or commercial facilities that may locate in the area.

11. Locally Adopted Environmental Plans and Goals

This permit will be protective of the PM10 nonattainment areas that are covered in the State Implementation Plans (SIPs). Addendum 7 to permit 2624-07 contains additional requirements that Schellinger must comply with while operating in or within 10 kilometers of any PM10 nonattainment area.

12. Cumulative and Secondary Impacts

The crusher operations will cause a minor affect to both the physical environment and human environment. There is potential for other operations to locate at these sites. However, any operations will have to apply for and receive the appropriate permits from the department prior to operation. These permits

will address the environmental impacts associated with the operations at this or any other site. The crusher operations are limited by permit #2624-07 to total particulate emissions of 250 tons per year or less from non-fugitive crusher operations and any other additional equipment used at the site. In addition, crushing and screening limitations have been placed in Addendum 7 to permit 2624-07 to further protect the ambient air quality standards of the PM10 nonattainment areas.

Recommendation: No EIS is required.

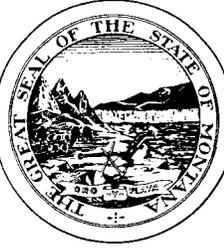
If an EIS is not required, explain why the EA is an appropriate level of analysis: Since this plant is a portable source, there will be no significant impacts to any one area. The controls contained in permit #2624-07 and Addendum 7 will limit the emissions and protect human health and the ambient standards.

Other groups or agencies contacted or which may have overlapping jurisdiction: Department of Environmental Quality (DEQ) - Industrial and Energy Minerals Bureau (IEMB), Montana Historical Society, and Montana Natural Resource Information System.

Individuals or groups contributing to this EA: DEQ - Air and Waste Management Bureau (AWMB), DEQ - IEMB, Montana Natural Heritage Program, State Historical Preservation Office.

Revised EA prepared by: Dan Walsh
Date: December 3, 1998

DEPARTMENT OF ENVIRONMENTAL QUALITY
PERMITTING AND COMPLIANCE DIVISION
ENVIRONMENTAL MANAGEMENT BUREAU



MARC RACICOT, GOVERNOR

1520 EAST SIXTH AVENUE

STATE OF MONTANA

(406) 444-4953
FAX (406) 444-1374

PO BOX 200901
HELENA, MONTANA 59620-0901

December 18, 1998

Dear Reader:

Enclosed for your review is an Environmental Assessment (EA) prepared by the Department of Environmental Quality - Hard Rock Program. The EA evaluates a proposal by the Stillwater Mining Company to construct water management facilities at the East Boulder Mine.

Public comment on this EA will be received by the Department until 5:00 p.m. January 18, 1999. Comments should be about the adequacy of the EA in assessing issues, new information not considered that may influence the analysis, and clarification. Comments should be specific. The department will use these comments, agency responses, the EA, and the application materials to make a final decision on the application. The decision may be to approve the proposal, deny the proposal, or approve an alternative.

RECEIVED

Written comments should be directed to:

DEC 22 1998

Bob Winegar
Department of Environmental Quality - Hard Rock Program
PO Box 200901
Helena, MT 59620-0901

**ENVIRONMENTAL
QUALITY COUNCIL**

Thank you for your time and consideration. Please call the DEQ (444-4953) if you have any questions or desire to give verbal comments.

Sincerely,

Bob Winegar

Robert C. Winegar
Hard Rock Program Supervisor
Department of Environmental Quality

Enclosure
RW:JTG/smb

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NOV 15 1964

STATE ARCHIVES
MONTGOMERY COUNTY

CHECKLIST ENVIRONMENTAL ASSESSMENT

COMPANY NAME: Still water Mining Co.

Project: East Boulder Mine

LOCATION: 30 miles south of Big Timber on Forest Service road 205

County: Sweetwater

PROPERTY OWNERSHIP: Federal State Private

TYPE AND PURPOSE OF ACTION: Water Management Plan

Proposed Plan:

The Still water Mining Company (SMC) has a permit to construct and operate a mine in the East Boulder River Valley, 30 miles south of Big Timber, Montana. Environmental impacts from the mine have been analyzed in the Final EIS (1992) for the project. The operating permit for the project required that treatment and disposal plans for water and sewage be submitted to the agencies for approval prior to construction. The permit also allowed an expansion of up to 20 acres to facilitate the construction and operation of water treatment systems. In order to fully implement all aspects of the plan, it is necessary to expand the permit area by 145 acres instead of 20 acres. This EA is required because the permit boundary is being increased by 125 acres. This is more than the 10 acres allowed under 82-4-342 (g) MCA. Only water management surface facilities and associated disturbances are covered under this EA. Discharge load limits and impacts to water quality will be analyzed and permitted through the pending MPDES permit renewal.

SMC anticipates that a discharge of groundwater would result from underground mining operations at the proposed East Boulder Mine site. This water would be treated to remove most suspended particulates and some of the nitrogen before being discharged to infiltration ponds, delivered to a Land Application & Disposal (LAD) system or to the East Boulder River under an approved MPDES permit. Based upon experience gained from twelve years of operation at SMC's Nye mine site, it is anticipated that discharge water would result in nonsignificant changes in groundwater and surface water quality after mixing.

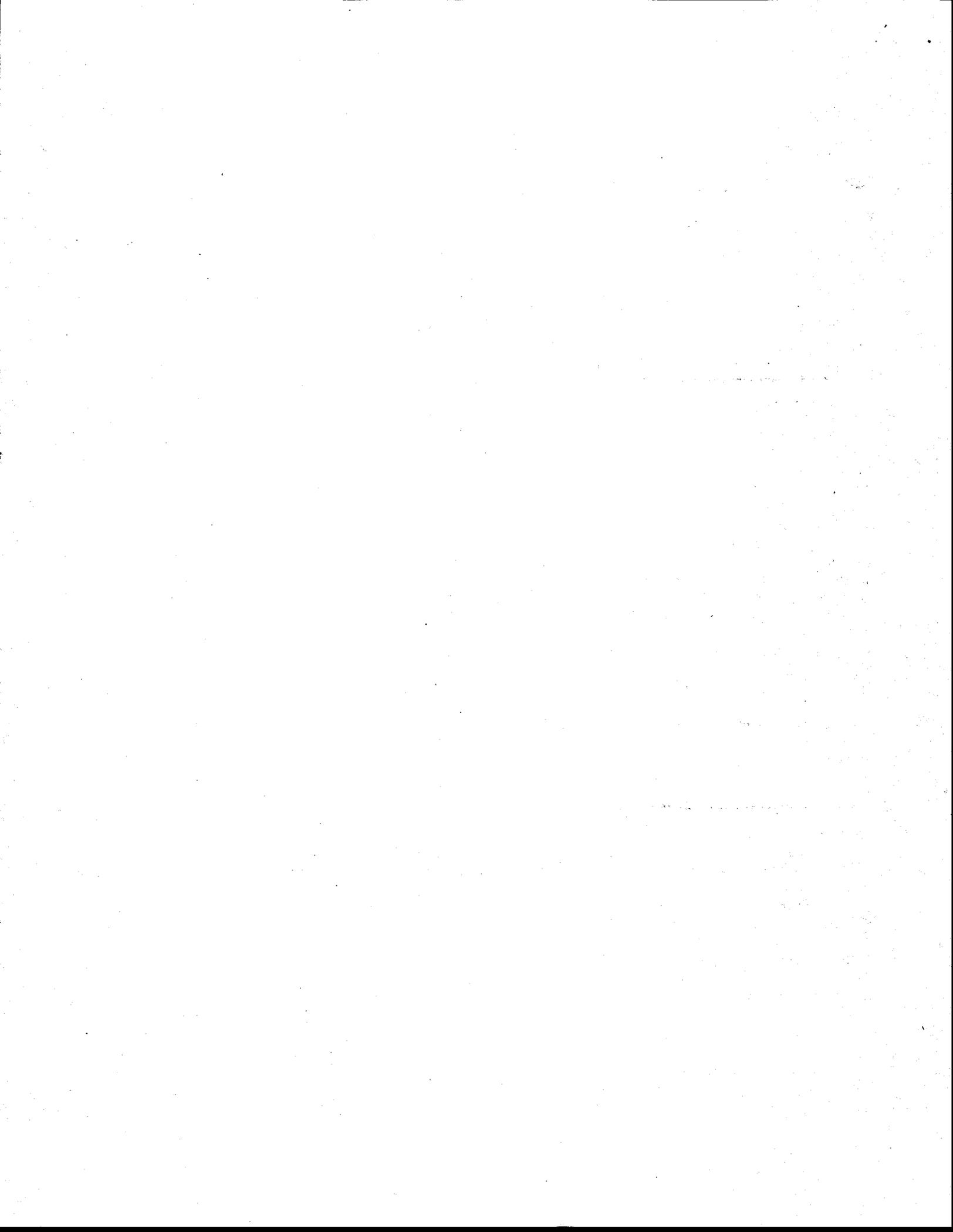
The East Boulder River, in the vicinity of the proposed mine, is a high quality stream having a B-1 classification, and is characterized by low concentrations of background metals and nutrients. Groundwater in the area is present in unconsolidated glacial/alluvial deposits and fractured bedrock and is of good quality. Due to hydrological and geological similarities, the quality of water discharged from the Still water Mine at Nye was utilized as the best estimate of quality of water that would be discharged from the East Boulder operation. A comprehensive discussion of underground water sources is contained in Chapter 2 of the Final EIS (1992) for the East Boulder Project. Surface water and groundwater monitoring sites have been established and continue to be sampled as part of SMC's water quality monitoring program.

The source of adit groundwater at the East Boulder Project would be from groundwater intercepted in underground workings. This water enters the underground mine workings through joints, fractures and faults in the rock. The larger groundwater inflows can be controlled by grouting the flow pathways in the rock. Groundwater that exits the mine would be sent to a clarifier for removal of sediment unless flows exceed the capacity of the clarifier. In this case the excess adit water would report to infiltration/settling ponds prior to treatment. Decant water from the clarifier would be returned to the underground workings, and any excess treated adit water would be transported to water disposal facilities for discharge.

SMC would follow a water management plan designed to minimize water quality impacts of groundwater discharged from underground workings. A very similar plan in use at SMC's Nye operation has been effective in reducing nitrogen loads through Best Management Practices (BMP's) and by treatment of discharge water through clarification, land application disposal techniques, and biological denitrification (referred to as biotreatment). Implementation of this plan has enabled the Still water Mine to meet its production targets while maintaining concentrations and loads of nitrogen and other parameters within permit limits. Major components of a water management plan include source reduction in the mine and good water handling practices in underground mine workings, such as grouting of groundwater inflow and selective implementation of various water treatment and disposal methods.

The water management plan for the East Boulder Project focuses primarily on removal of particulate matter (sediment) and nitrogen. Sediment would be controlled using clarifiers, bag or sand filters, followed by infiltration ponds. This combination has proven very effective in removing sediment from mine adit water. Nitrogen released from underground blasting would be minimized through the implementation of source-control procedures and employee training, which emphasizes the care handling of explosives in order to control spillage and waste. Nitrogen loading in discharge water would be reduced through treatment processes such as biological denitrification and LAD.

Whenever possible and practical, uncontaminated natural groundwater would be intercepted and piped from the underground workings directly to the East Boulder River. A discharge to the river of clarified and treated adit water would occur only as a last resort after all other discharge



options (LAD, percolation and storage) have been utilized to their design and operational capacity.

The production phase of the SMC East Boulder Project would include facilities at the mine site that would require provisions for sewage disposal. The facilities are to serve an estimated daily population of 600 persons. The current per capita total wastewater production at SMC's mine near Nye is approximately 17 to 20 gallons per capita per day (gpcd). A design wastewater flow of 30 gpcd would be used for planning and design at the East Boulder mine to be conservative and allow for peak conditions. The resulting daily design flow is 18,000 gallons per day. The most practical type of sewage treatment and disposal system for a small, isolated development of this type with this magnitude of flow is a septic tank and subsurface drain field.

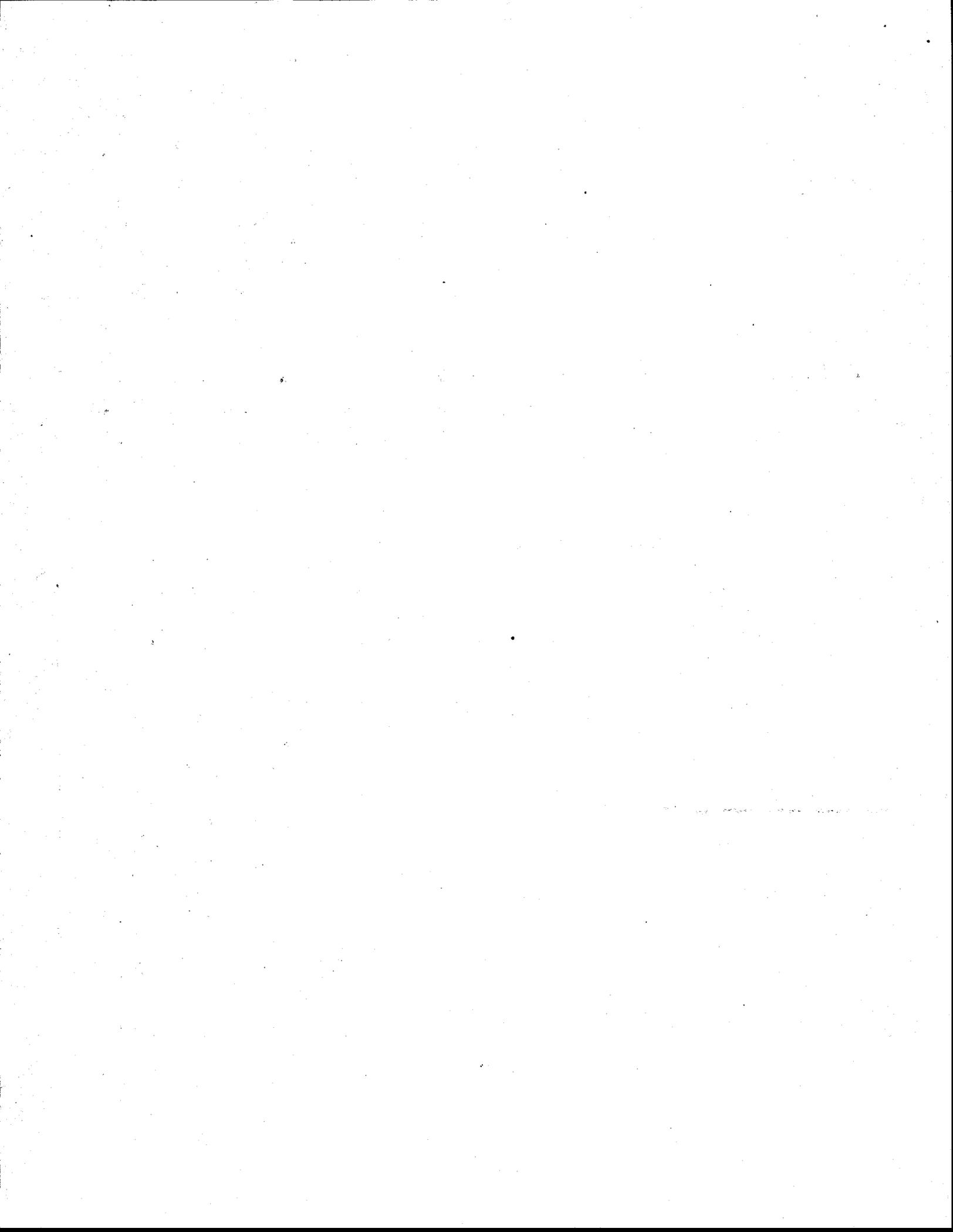
This Water Management Plan has been developed to meet the requirements of the Montana Water Quality Act and to comply with the Montana Nondegradation Statute. It would also provide the operational flexibility and water treatment necessary to meet all permit requirements while protecting water quality within the East Boulder Valley.

Disturbances associated with water management facilities would be reclaimed in accordance with procedures contained in the approved reclamation plan for the project.

N = Not present or No Impact will occur.

Y = Impacts may occur (explain under Potential Impacts).

IMPACTS ON THE PHYSICAL ENVIRONMENT	
RESOURCE	[Y/N] POTENTIAL IMPACTS AND MITIGATION MEASURES
1. GEOLOGY AND SOIL QUALITY, STABILITY AND MOISTURE: Are soils present which are fragile, erosive, susceptible to compaction, or unstable? Are there unusual or unstable geologic features? Are there special reclamation considerations?	[N]
2. WATER QUALITY, QUANTITY AND DISTRIBUTION: Are important surface or groundwater resources present? Is there potential for violation of ambient water quality standards, drinking water maximum contaminant levels, or degradation of water quality?	[Y] Concentrations of nitrates in LAD water would be below nondegradation limits and would not cause exceedences of standards in groundwater or surface water. All other discharges to surface or groundwater would be subject to discharge limits imposed by the MPDES permit.
3. AIR QUALITY: Will pollutants or particulate be produced? Is the project influenced by air quality regulations or zones (Class I airshed)?	[N]
4. VEGETATION COVER, QUANTITY AND QUALITY: Will vegetative communities be significantly impacted? Are any rare plants or cover types present?	[N]
5. TERRESTRIAL, AVIAN AND AQUATIC LIFE AND HABITATS: Is there substantial use of the area by important wildlife, birds or fish?	[N]
6. UNIQUE, ENDANGERED, FRAGILE OR LIMITED ENVIRONMENTAL RESOURCES: Are any federally listed threatened or endangered species or identified habitat present? Any wetlands? Species of special concern?	[N]

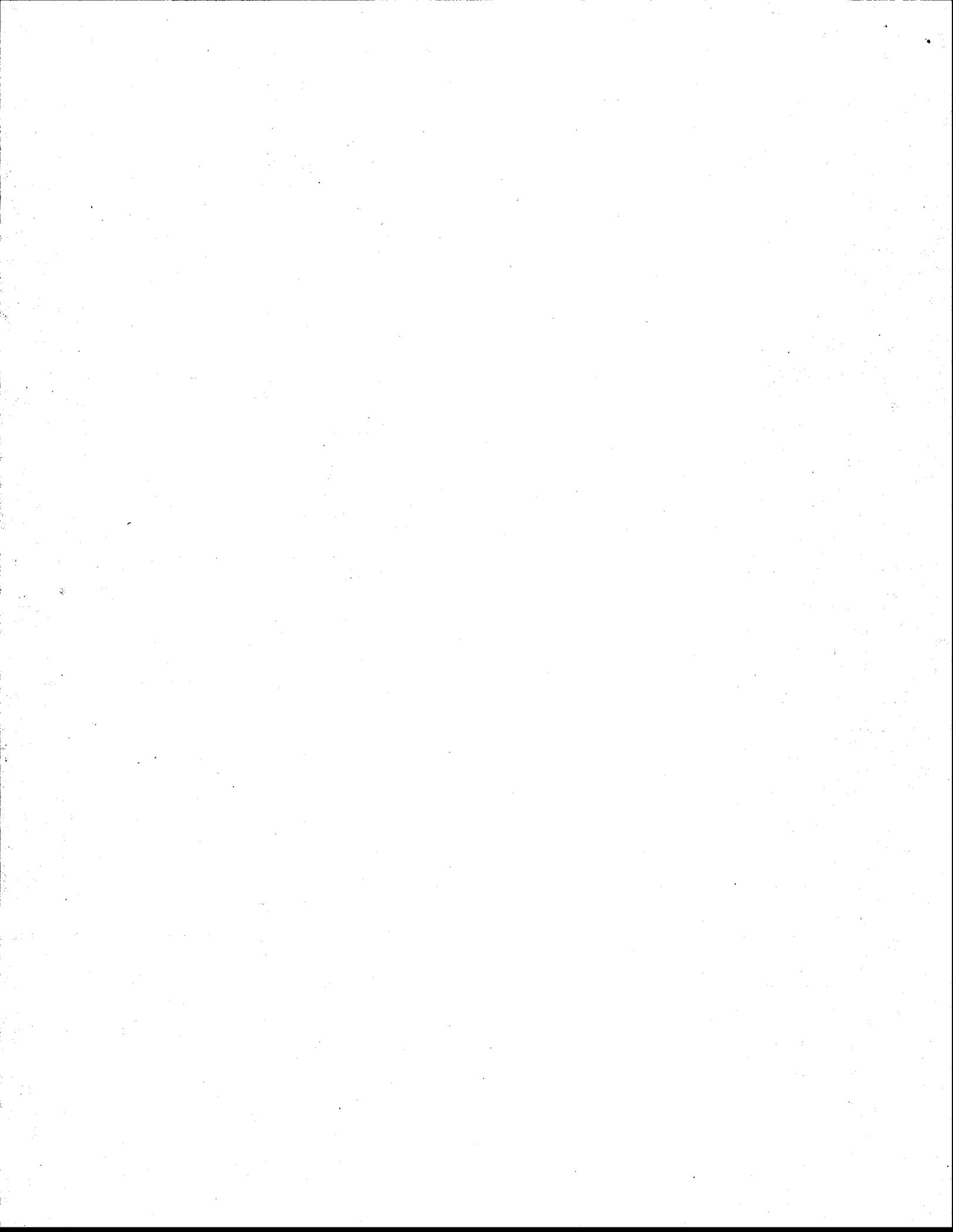


IMPACTS ON THE PHYSICAL ENVIRONMENT

7. HISTORICAL AND ARCHAEOLOGICAL SITES: Are any historical, archaeological or paleontological resources present?	[N]
8. AESTHETICS: Is the project on a prominent topographic feature? Will it be visible from populated or scenic areas? Will there be excessive noise or light?	[N]
9. DEMANDS ON ENVIRONMENTAL RESOURCES OF LAND, WATER, AIR OR ENERGY: Will the project use resources that are limited in the area? Are there other activities nearby that will affect the project?	[N]
10. IMPACTS ON OTHER ENVIRONMENTAL RESOURCES: Are there other activities nearby that will affect the project?	[N]

IMPACTS ON THE HUMAN POPULATION

11. HUMAN HEALTH AND SAFETY: Will this project add to health and safety risks in the area?	[N]
12. INDUSTRIAL, COMMERCIAL AND AGRICULTURAL ACTIVITIES AND PRODUCTION: Will the project add to or alter these activities?	[N]
13. QUANTITY AND DISTRIBUTION OF EMPLOYMENT: Will the project create, move or eliminate jobs? If so, estimated number.	[N]
14. LOCAL AND STATE TAX BASE AND TAX REVENUES: Will the project create or eliminate tax revenue?	[N]
15. DEMAND FOR GOVERNMENT SERVICES: Will substantial traffic be added to existing roads? Will other services (fire protection, police, schools, etc.) be needed?	[N]
16. LOCALLY ADOPTED ENVIRONMENTAL PLANS AND GOALS: Are there State, County, City, USFS, BLM, Tribal, etc. zoning or management plans in effect?	[N]
17. ACCESS TO AND QUALITY OF RECREATIONAL AND WILDERNESS ACTIVITIES: Are wilderness or recreational areas nearby or accessed through this tract? Is there recreational potential within the tract?	[N]
18. DENSITY AND DISTRIBUTION OF POPULATION AND HOUSING: Will the project add to the population and require additional housing?	[N]
19. SOCIAL STRUCTURES AND MORES: Is some disruption of native or traditional lifestyles or communities possible?	[N]



IMPACTS ON THE HUMAN POPULATION

20. CULTURAL UNIQUENESS AND DIVERSITY: Will the action cause a shift in some unique quality of the area?	[N]
21. PRIVATE PROPERTY IMPACTS: Are we regulating the use of private property under a regulatory statute adopted pursuant to the police power of the state? (Property management, grants of financial assistance, and the exercise of the power of eminent domain are not within this category.) If not, no further analysis is required.	[N]
22. PRIVATE PROPERTY IMPACTS: Does the proposed regulatory action restrict the use of the regulated person's private property? If not, no further analysis is required.	[N]
23. PRIVATE PROPERTY IMPACTS: Does the agency have legal discretion to impose or not impose the proposed restriction or discretion as to how the restriction will be imposed? If not, no further analysis is required. If so, the agency must determine if there are alternatives that would reduce, minimize or eliminate the restriction on the use of private property, and analyze such alternatives.	[N]
24. OTHER APPROPRIATE SOCIAL AND ECONOMIC CIRCUMSTANCES:	[N]

25. **Alternatives Considered:**

No Action: SMC's water management plan would not be approved. The water management plan was required by the operating permit. The no action alternative would not fulfill this requirement.

Approve the company's proposed plan. The plan as proposed fulfills the requirements of stipulation #1 of operating permit #00149.

Approve the company's proposed plan with agency modifications.

26. **Public Involvement:** A four week public comment period is planned upon release of this EA.

27. **Other Governmental Agencies with Jurisdiction:** U.S. Forest Service, Gallatin National Forest

28. **Magnitude and Significance of Potential Impacts:** Impacts would be minor and would not cause degradation of water quality.

29. **Cumulative Effects:** Discharges from the mine may result in a slight increase in nutrient load to the watershed during mine life but would stop with cessation of mining. This plan minimizes the nutrient load from the mine. The pending MPDES discharge permit renewal will analyze and permit actual discharge load limits.

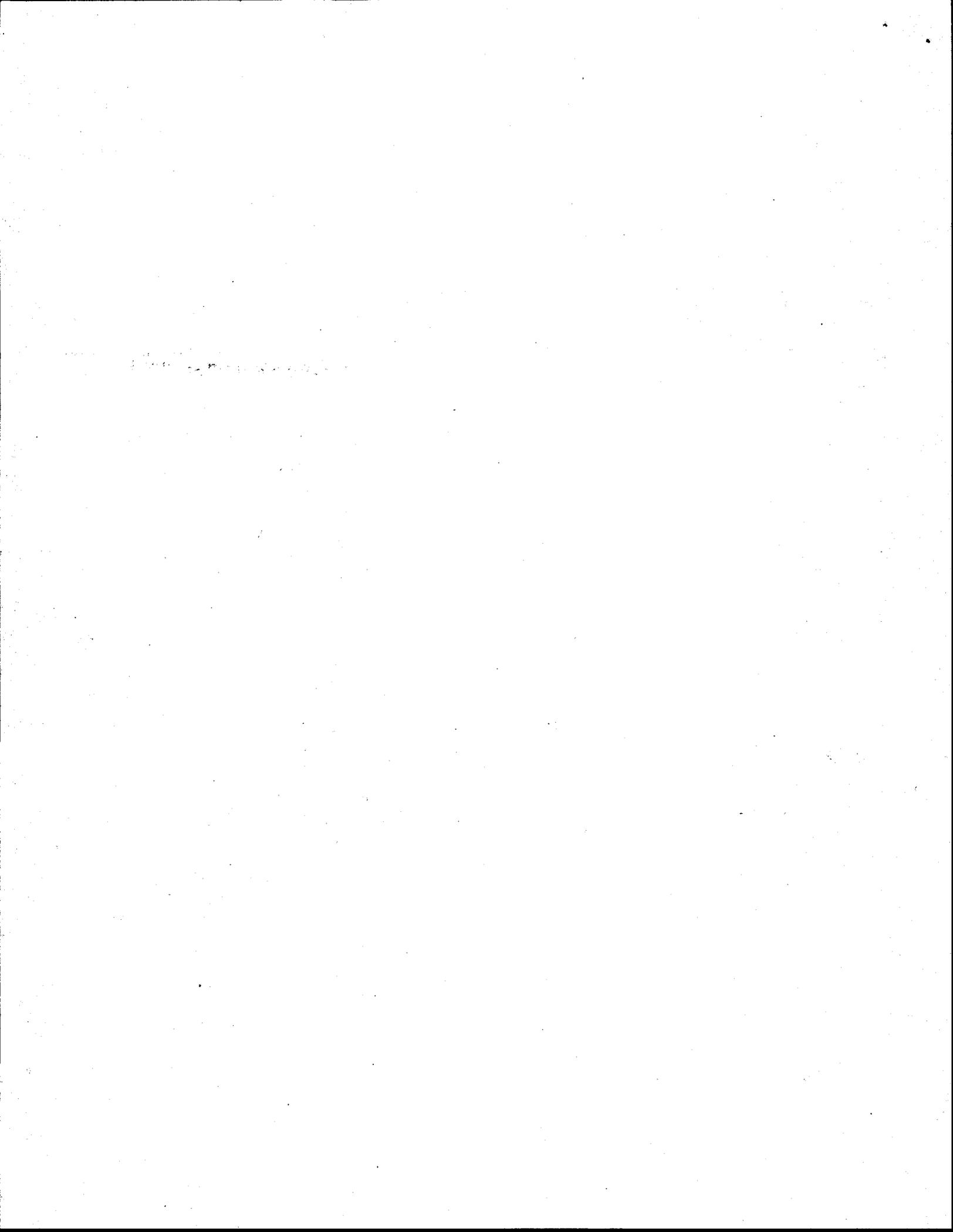
Recommendation for Further Environmental Analysis: EIS More Detailed EA No Further Analysis

EA Checklist Prepared By: DEQ, Environmental Management Bureau

Approved By:

Robert C. Winegar
Signature

December 18, 1998
Date



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

FINAL ENVIRONMENTAL ASSESSMENT (EA)

Issued For: Remp Sand and Gravel, L.L.C.
1107 Rose Crossing
Kalispell, MT 59901

Permit Number: 3029-00

Preliminary Determination on Permit Issued: 12/11/98
Department Decision Issued: 12/28/98

Montana Environmental Policy Act (MEPA) Compliance: An environmental assessment, required by MEPA, was completed for this project as follows.

Legal Description of Site: The original plant site is located within Section 34, Township 31N, Range 31W, of Lincoln County, Montana.

Description of Project: Remp proposes to use this crushing plant and associated equipment to crush and sort sand and gravel materials for use in construction operations.

For a typical operational set up, the raw material is fed into the feeder by a front-end loader, or similar piece of equipment. From the feeder, the material is sent through the primary screen then through the primary jaw crusher. The material is then transferred to the secondary plant where it is initially sent through the secondary screen then through the jaw and rolls and ultimately conveyed to a stockpile for use.

Benefits and Purpose of Proposal: Increased business and revenue for the company.

Description and analysis of reasonable alternatives whenever alternatives are reasonably available and prudent to consider: None available.

A listing and appropriate evaluation of mitigation, stipulations and other controls enforceable by the agency or another government agency: A listing of the enforceable permit conditions and a permit analysis, including a Best Available Control Technology analysis, is contained in permit #3029-00.

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 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.

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DEC 29 1998

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QUALITY COUNCIL**

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

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

SUMMARY OF COMMENTS ON POTENTIAL IMPACTS: The following comments have been prepared by the Department.

POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

1. Terrestrial and Aquatic Life and Habitats

Terrestrials will use the areas in which the crusher operations occur. However, the crusher operations alone will present only minor affects to the terrestrial life. In addition, the crusher operations are portable and the affects will be limited by short-term nature of operation.

2. Water Quality, Quantity and Distribution

Water will be used as pollution control, but will only cause a minor disturbance to the area. No surface water or ground water quality problems are expected as a result of using water for pollution control. Any accidental spills or leaks from equipment will be handled according to the appropriate environmental regulations in an effort to minimize any potential adverse impact on the immediate and surrounding area.

3. Geology and Soil Quality, Stability and Moisture

The soils will be impacted by the crusher operations. The impacts will be minor due to the size of the operation.

4. Vegetation Cover, Quantity and Quality

The quality and quantity of vegetation cover will be affected by the crusher operations. Given the temporary nature of the facility and its operations, the impacts will be minor.

5. Aesthetics

The crusher operations will be visible and will create additional noise in the area. Permit #3029-00 includes conditions to control emissions (including visible emissions) from the plant. Since the crusher operations are small, and temporary, any noise impacts will be minimal.

6. Air Quality

The air quality impacts from the crusher operations are minor. Permit #3029-00 includes conditions limiting the opacity from the plant, as well as requiring water spray bars to control air pollution. The crusher operations are limited, by permit #3029-00, to total particulate emissions of 250 tons/year or less from non-fugitive sources at the plant, in addition to any additional equipment at any individual site. Further restriction is placed on operation at the sites covered in Addendum 1 to permit #3029-00.

7. Unique Endangered, Fragile or Limited Environmental Resources

The department has contacted the Montana Natural Heritage Program (MNHP) in an effort to identify any species of special concern associated with the proposed site location. Search results have concluded there are several such environmental resources in the area. Area in this case will be defined by the township and range of the proposed site, with an additional one mile buffer. These species of special concern include the Grizzly Bear, Bald Eagle, Bull Trout, Harlequin Duck, Mingan Island Moonwort, and Geyer's Biscuitroot. While these resources are found within the defined area, the MNHP search did not indicate any species of special concern located directly on the proposed site. Therefore, it is unlikely that any of the previously listed species will be adversely affected by the proposed project.

8. Demands on Environmental Resource of Water, Air and Energy

The crusher operations will only demand small quantities of water, air, and energy for proper operating. Generally, the operations are seasonal, which results in smaller demands on the environmental resources.

9. Historical and Archaeological Sites

The Montana Historical Society (MHS) was contacted in an effort to identify any historical or archaeological site that may be affected by the proposed crushing operation. Search results did indicate that several previously recorded historic sites are located within Section 34, Township 31N, Range 31W, in Lincoln County, MT. However, the proposed project is to crush and screen rock material within a previously disturbed industrial site. According to the Montana State Historic Preservation Office, there is low likelihood of adverse disturbance to any known archaeological or historic site given the previous industrial disturbance in the area. Therefore, it is unlikely that the crusher operation will have an adverse affect on any known historic or archaeological site.

10. Cumulative and Secondary Impacts

The crusher operations will cause a minor affect to both the physical environment and human environment. There is potential for other operations to locate at these sites. However, any operations will have to apply for and hold the appropriate permits from the department prior to operation. These permits will address the environmental impacts associated with the operations at this or any other site. The crusher operations are limited by permit #3029-00 to total particulate emissions of 250 tons/year or less from non-fugitive crusher operations and any other additional equipment used at the site.

POTENTIAL IMPACT ON HUMAN ENVIRONMENT

1. Social Structures and Mores

The crusher operation will cause no disruption to the native or traditional lifestyles or communities of the area.

2. Cultural Uniqueness and Diversity

The crusher operation will have no impact on the cultural uniqueness and diversity of the area.

3. Local and State Tax Base and Tax Revenue

The crusher operations will have little, if any, affects on the local and state tax base and tax revenue.

4. Agricultural or Industrial Production

The crusher operations will take place in an existing pit and therefore will not displace any agricultural production. The crusher operations are small by industrial standards and will therefore have only a minor impact on local industrial production.

5. Human Health

Permit #3029-00 incorporates conditions to ensure that the crusher operations will be operated in compliance with all applicable rules and standards. These rules and standards are designed to be protective of human health.

6. Access to and Quality of Recreational and Wilderness Activities

The crusher operations will not affect any access to recreational and wilderness activities. However, minor affects to the quality of recreational and wilderness activities may be created by the noise from the site. Any impacts from the site will be temporary due to the portable nature of the crusher operations.

7. Quantity and Distribution of Employment

The activities from the crusher operations will not affect the quantity and distribution of employment in the area. Remp will utilize a few company employees for the duration of the project.

8. Distribution of Population

The crusher operations will not disrupt the normal population distribution in the area.

9. Demands of Government Services

Minor increases will be seen in traffic on existing roads in the area while the crusher operations are in progress. In addition, government services will be required for acquiring the appropriate permits from government agencies. Demands for government services will be minimal.

10. Industrial and Commercial Activity

The crusher operations represent only a minor increase in the industrial activity in the area. No additional industrial or commercial activity is expected as a result of the crusher operations.

11. Locally Adopted Environmental Plans and Goals

The department is not aware of any locally adopted environmental plans or goals. The state standards will protect the proposed site and the environment surrounding the site.

12. Cumulative and Secondary Impacts

The crusher operations will cause a minor affect to both the physical environment and human environment. There is potential for other operations to locate at these sites. However, any operations will have to apply for and hold the appropriate permits from the department prior to operation. These permits will address the environmental impacts associated with the operations at this or any other site. The crusher operations are limited by permit #3029-00 to total particulate emissions of 250 tons/year or less from the crusher operations and any other additional equipment used at the site.

Recommendation: No EIS is required.

If an EIS is not required, explain why the EA is an appropriate level of analysis: Permit #3029-00 includes conditions and limitations which, if properly applied, will safeguard any potential environmental threat created by the proposed crushing operation.

Other groups or agencies contacted or which may have overlapping jurisdiction: Department of Environmental Quality, Montana Natural Heritage Program, Montana Historical Preservation Office, State Historical Society.

Individuals or groups contributing to this EA: Department of Environmental Quality, Permitting and Compliance Division, Montana Natural Heritage Program, Montana Historical Preservation Office, State Historical Society.

Revised EA prepared by: M. Eric Merchant, MPH
Date: December 3, 1998

DEPARTMENT OF ENVIRONMENTAL QUALITY
PERMITTING AND COMPLIANCE DIVISION
Air and Waste Management Bureau



MARC RACICOT, GOVERNOR

(406) 444-3490
FAX (406) 444-1499

STATE OF MONTANA

OFFICE: METCALF BUILDING
ADDRESS: 1520 E 6TH AVENUE

PO BOX 200901
HELENA, MONTANA 59620-0901

December 28, 1998

John Jensen
KCS Mountain Resources, Inc.
P.O. Box 78
Worland, Wyoming 82401

RECEIVED
DEC 29 1998
ENVIRONMENTAL
QUALITY COUNCIL

Dear Mr. Jensen

Air Quality Permit #1739-01 is deemed final as of December 27, 1998 by the Department of Environmental Quality. This permit is for a natural gas compressor station. 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,

A handwritten signature in cursive script that reads "Richard Knatterud".

Richard Knatterud
Air Permitting Section Supervisor

RK:bjd

Enclosure

Flash Separator
Closed System - Offgases are routed to the inlet condensate knock out drum.

Controlled Flash Separator Offgas	lbs/hr	tons/yr
Total VOC Emissions	0	0
Total HAP Emissions	0	0

Uncontrolled Flash Separator Offgas	lbs/hr	tons/yr
Total VOC Emissions	0.4609	2.0188
Total HAP Emissions	0.0325	0.1422

V. Air Quality Modeling and Monitoring Requirements

Since this permitting action does not increase emissions, no air quality modeling or monitoring will be required.

VI. Ambient Air Impact Analysis

The department has determined, based on the fact that emissions are not increased at this facility, the impact from this permitting action will be minor. The department believes it will not cause or contribute to a violation of any ambient air quality standard.

VII. 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.

VIII. Environmental Assessment

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

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

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

7. Unique Endangered, Fragile or Limited Environmental Resources

This permitting action should not result in any impacts to terrestrial and aquatic life and/or their habitat as no new emissions or disturbances are taking place as a result of this permit issuance. Furthermore, the department is not aware of any unique, rare, threatened, or endangered species in the area surrounding the facility.

8. Demand for Environmental Resources of Water, Air, and Energy

This permitting action will not create any new demands for water, air, or energy. In fact, energy demands may actually decrease because the compressor engine is smaller than its predecessor.

9. Historical and Archaeological Sites

This permitting action does not include any facility action that would result in disturbing a greater land surface. Therefore, no impacts to any historical and archaeological sites are anticipated.

10. Cumulative and Secondary Impacts

This project does not involve any disturbance of land or increases of emissions of any air pollutant; therefore, no cumulative and secondary impacts should result to terrestrial and aquatic habitats and air quality.

Potential Impact on Human Environment

1. Social Structures and Mores
2. Cultural Uniqueness and Diversity
8. Distribution of Population

Since no significant physical or operational changes at the facility were permitted in #1739-01, the location, distribution, density, or growth rate of the human population or the cultural uniqueness or diversity of the community surrounding the facility should not be altered. The fundamental moral views of a social group are not anticipated to be altered as a result of this permitting action.

3. Local and State Tax Base and Tax Revenue
9. Demands of Government Services

The changes to air quality permit #1739-01 will not result in a need for new or altered governmental services nor effect local or state tax bases or revenues.

4. Agricultural or Industrial Production
10. Industrial and Commercial Activity

The changes permitted in #1739-01 will not result in a reduction of available acreage or productivity of any agricultural land; therefore, agricultural production should not be affected. Industrial production and commercial activity at the facility or in the neighboring area are not anticipated to be altered by this permit.

DEPARTMENT OF ENVIRONMENTAL QUALITY

PERMITTING & COMPLIANCE DIVISION

Community Services Bureau
Waste Management Section

MARC RACICOT, GOVERNOR



STATE OF MONTANA

Phone: (406) 444-4400
Fax: (406) 444-1374

Metcalf Building
1520 E Sixth Ave

PERM 200901
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Helena, MT 59620-0901

DEC 30 1998

ENVIRONMENTAL
QUALITY COUNCIL

December 29, 1998

Mineral County Commissioners, P.O. Box 550, Superior, MT 59872
Terry Smith, D.O., Mineral County Health Department, P.O. Box 698, Superior, MT 59872
Wayne Marchwick, Mineral Co. Environmental Health and Planning, P.O. Box 396, Superior, MT 59872
Mitchell Leu, Plum Creek Timber Company, L.P., P.O. Box 1990, Columbia Falls, MT 59912
U.S. Forest Service, Lolo National Forest, 408 Clayton, Plains, MT 59859
Paul Shiler, Administrative Officer, Director's Office, Fish, Wildlife & Parks, 1420 E 6th Avenue, Helena, MT 59620
Tom Ellerhoff, Department of Environmental Quality, Helena, MT 59620
Environmental Quality Council, Capitol Complex, Helena, MT 59620
Documents Section, State Library, Capitol Complex, Helena, MT 59620
State Historic Preservation Office, 225 N. Roberts, Helena, MT 59620

Ladies and Gentlemen:

Pursuant to the Administrative Rules of Montana, 17.4.607(2) and 17.4.609(2), the following Environmental Assessment has been prepared by the Department of Environmental Quality concerning the proposed Plum Creek Timber Company, L.P., Class III Landfill located in the SE $\frac{1}{4}$ of the NE $\frac{1}{4}$ of Section 19, Township 17 North, Range 26 West, M.P.M., Mineral County, Montana. Generally, the site is located approximately three (3) miles north west of Superior, Montana, on Pardee Creek Road.

The purpose of the Environmental Assessment (EA) is to inform all interested governmental agencies, public groups, and individuals of the proposed action and to determine whether or not the action may have a significant effect on the human environment. This EA will be circulated for a period of thirty (30) days at which time a decision will be made as to our future action.

If you care to comment on this proposed action, please do so in writing, within the allotted time.

Sincerely,

A handwritten signature in black ink that reads "Rick Thompson".

Rick Thompson
Solid Waste Licensing Program

Encl: Environmental Assessment

ENVIRONMENTAL ASSESSMENT (EA)

Division/Bureau:

Permitting and Compliance Division\Community Services Bureau, Waste Management Section, Solid Waste Program.

Project or Application:

Plum Creek Timber Company, L.P. (Plum Creek), has made application for a Class III wood waste landfill. The proposed facility is located approximately three (3) miles north west of the Town of Superior. It is anticipated that the facility will accept approximately 4,000 cubic yards (cy) of wood waste and rock per year.

Description of Project:

Site Location: The proposed 1.5-acre Class III landfill will be located on a two (2) acre parcel owned by Plum Creek. Specifically, the site is located in the SE $\frac{1}{4}$ of the NE $\frac{1}{4}$ of Section 19, Township 17 North, Range 26 West, M.P.M., Mineral County, Montana. (Figure 1. Location Map). Generally the site is located three (3) miles to the north west of Superior off Pardee Creek Road.

Operation Plan Description: Source, Types and Amount of Wastes: Plum Creek will be the only source of incoming wastes to the proposed landfill. Incoming wastes will be generated from the cleanup at local Plum Creek log sorting and transfer sites. No other wastes will be accepted at the facility. The landfill will accept the following wastes:

1. Log yard wastes including, barks and logs pieces.
2. Inert wastes such as rock and dirt.

The average disposal rate for the facility is anticipated to be 4,000 cy of waste per year over 6 years. The final capacity for the facility will therefore be approximately 24,200 cy.

Operating Schedule: Only Plum Creek personnel will utilize the proposed facility between the hours of 6:00 a.m. and 6:00 p.m. The applicant anticipates some deviation from the given operating hours, but all attempts will be made to adhere to the above schedule.

Access and Traffic Control: Access to the proposed facility will be via an access road off Pardee Creek Road (Figure 2. Site Map). A locked gate on the access road will regulate authorized access to the facility with signs posted at the disposal site. The various truck drivers will man the site during the times waste material is being disposed of.

Landfilling Procedure: Only 1.5 acres will be used for disposal. The other 0.5 acre will be used for overburden storage. The 1.5-acre disposal site will be excavated down to three (3) feet to provide periodic cover and final cover. The stockpiled soils will be seeded with native grass species to reduce soil erosion. Wastes will be placed in the landfill as generated using a dump truck and mounded to a depth of ten (10) feet. The up gradient end of the landfill will be filled first, then moving down gradient. Periodically the waste will be leveled and contoured to a 3:1 slope to reduce erosion. At least once per quarter (90 days) the wastes will be compacted and

Location of Proposed Landfill

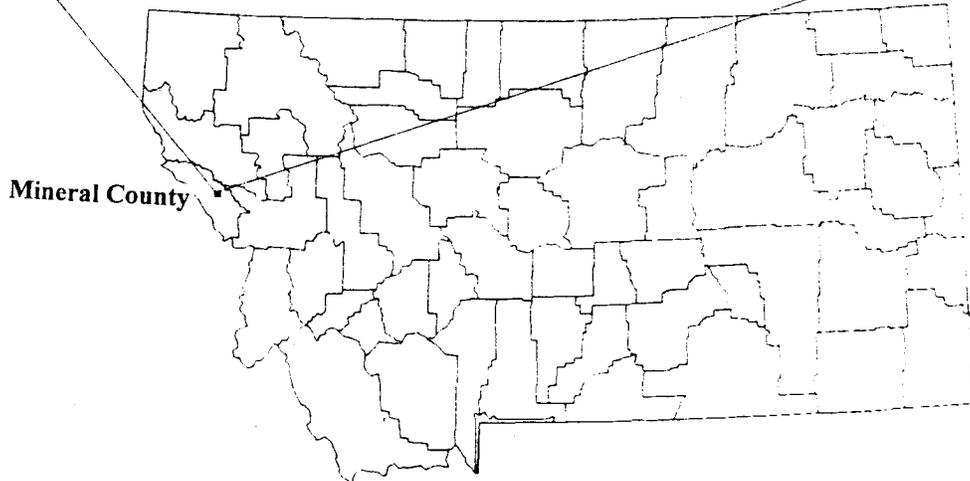
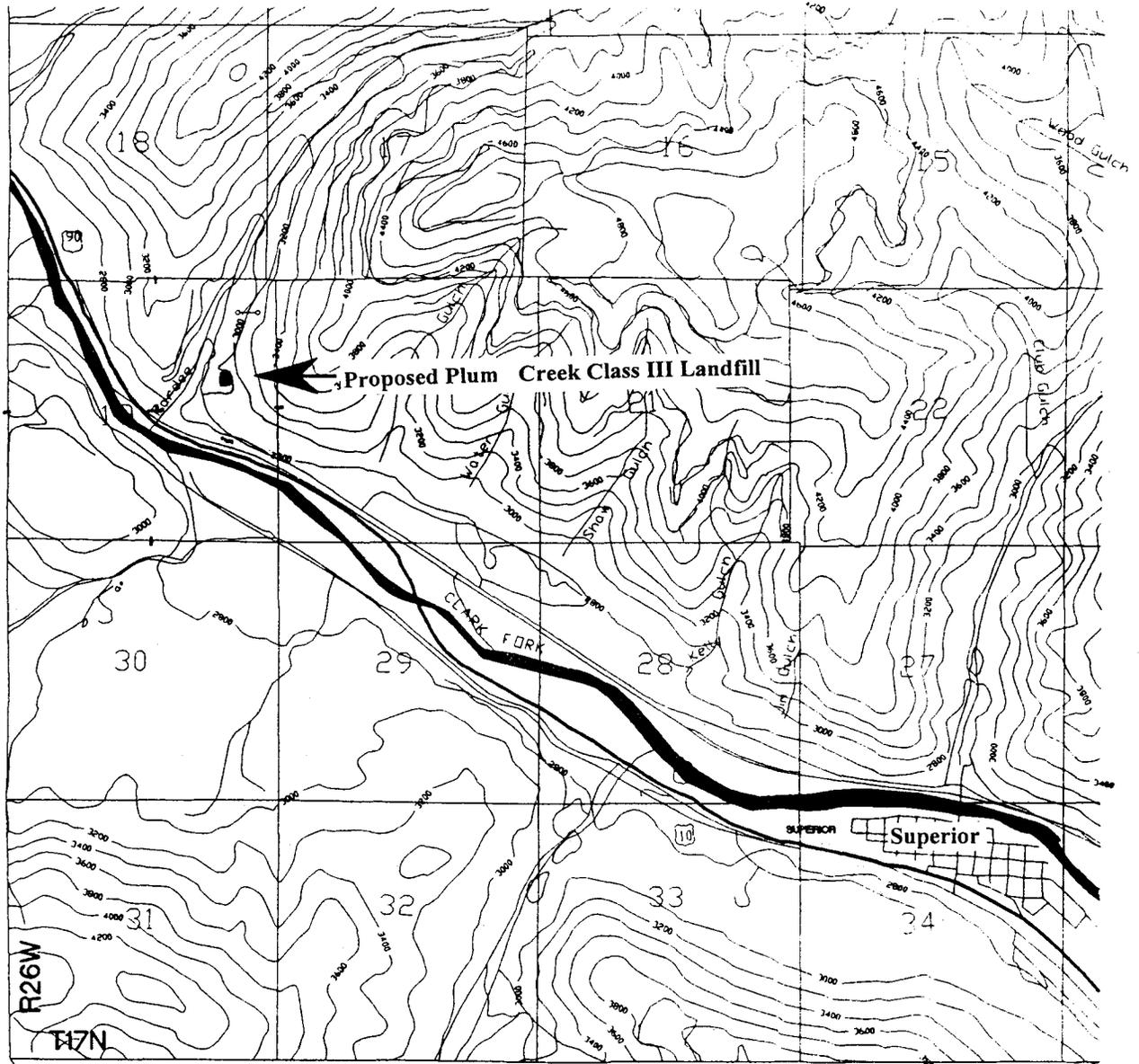


Figure 1. Location Map (Plum Creek, 1997)

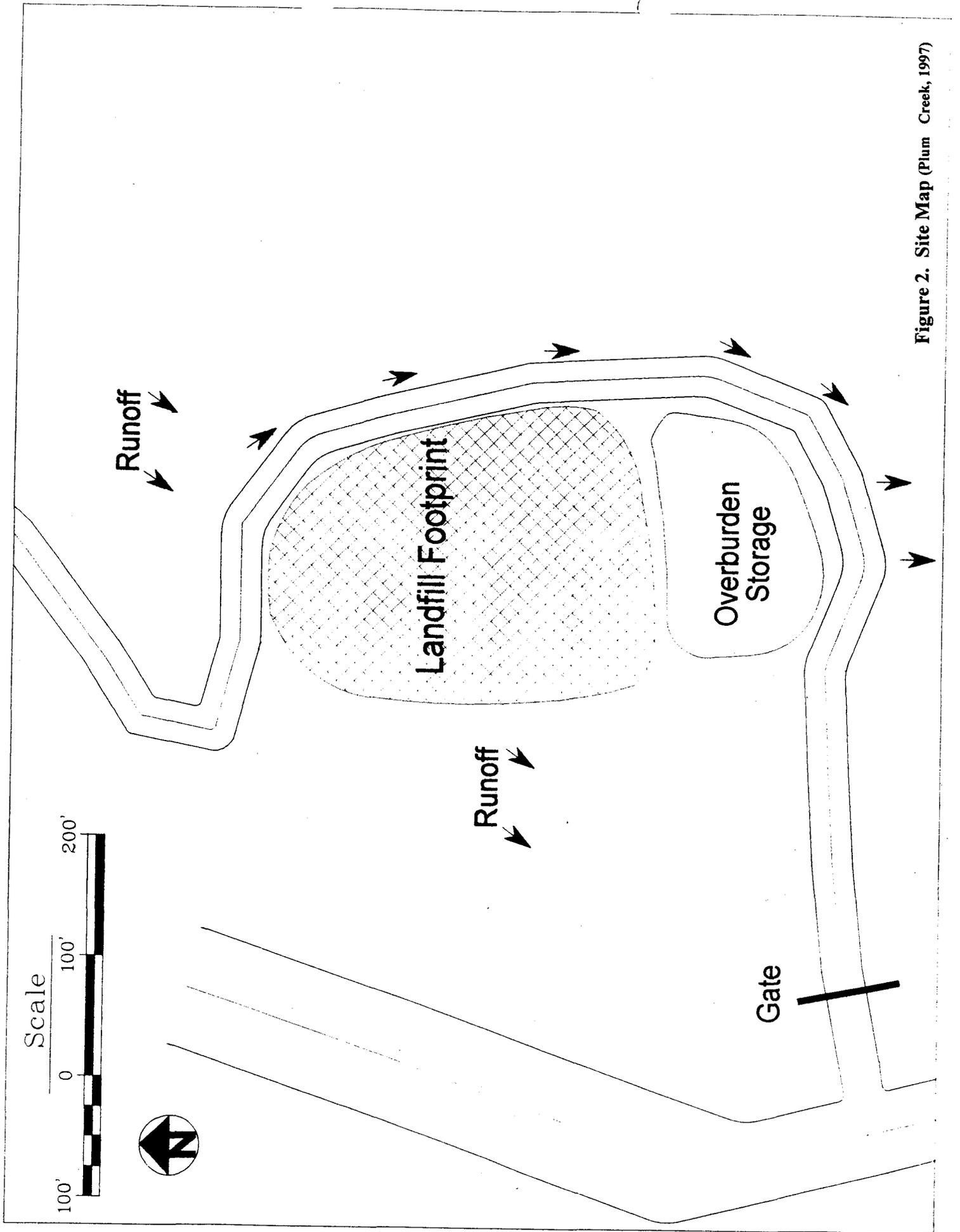


Figure 2. Site Map (Plum Creek, 1997)

contoured. Quarterly cover will not be placed over the material due to the high rock and dirt content of the wastes. Instead, a six (6) inch cover of stockpiled native soil will be placed over the wastes upon the completion of each lift.

Surface Water Management: The proposed site is surrounded on the three up gradient sides by the access road. The raised road collects and directs all off-site run-on and discharges it down gradient from the site. Run-off generated on site should be minimal due to the small surface area exposed to precipitation (2 acres), and it is anticipated that most of the on-site run-off will infiltrate into the soil or collect in the excavated hole and evaporate.

Closure: Closure of the facility will consist of contouring the fill to a maximum final 3:1 slope and placing two (2) feet of native soil for the final cover. The site will be revegetated with native grass species. Quarterly monitoring by Plum Creek personnel will ensure that integrity of the cap is maintained. The most probable use of the site after closure will be for wildlife habitat.

Benefits and Purpose of Proposal:

Plum Creek Timber Company, L.P. owns approximately 1.5 million acres of timberland in Montana. In order to economically harvest the timber from this land, certain parcels use staging areas where timber is stored or sorted before being transported to its final destination. In the process of handling the timber at these areas, some bark is inadvertently scraped off and some timber is broken. The bark and wood mixes with dirt and rocks and the resulting mixture is unusable and has to be disposed of.

The establishment of a private Class III landfill, is presently the most economical means by which Plum Creek can dispose of the wastes generated at the staging areas in the region. Although Sanders County operates a Class III landfill at Trout Creek and Plains, these facilities are burn sites and would not be suitable for disposal of the waste stream described above.

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

Alternative I - No Action: The Department may deny the license based on findings of fact, which indicates that significant environmental degradation may result from the proposed facility. This alternative was considered, but not acted on by the Department due to the inert nature of the wastes to be landfilled.

Alternative II - Alternative Site: Plum Creek could withdraw the application for a Class III landfill at the proposed location and resubmit a new application for an alternative site. This alternative would be necessary if the proposed site did not meet the requirements for a Class III landfill.

The applicant did not express to the Department if an alternative site or sites were considered prior to the selection of the current site. It is not within the jurisdiction of the Department to select potential sites for solid waste management facilities. This is a task for the applicant to complete prior to the application being made. The local county planning board or county planner has the final authority over whether or not the location of the site violates any local zoning ordinances.

Alternative III - Proposed Project: If licensed, the proposed facility will serve as an economical means of disposal for log yard waste generated at Plum Creek staging and transfer sites in Mineral County and surrounding counties.

Alternative IV - Develop Alternative Uses For The Waste Material: The reuse of the waste material generated at log yards could be reused in several applications. This was demonstrated in Log Yard Debris Management Methods, Ron Mensch, Twin Creek Enterprises, October 1998. The Department however is not authorized to choose a waste management alternative for an applicant. Therefore, the waste management alternative chosen by an applicant for a particular waste stream is solely up to the applicant. The alternative chosen is generally based on its economic feasibility.

A listing and appropriate evaluation of mitigation, stipulations and other controls enforceable by the agency or another government agency:

The proposed facility must meet the minimum requirements of the Montana Solid Waste Management Act and the rules promulgated under that Act. In addition, the following stipulations would be imposed as conditions of licensure:

1. Acceptable means must be taken to reduce dust on the access road to the facility; and
2. No open burning at the facility.

Recommendation:

The recommendation of the Montana Department of Environmental Quality is to request input from the public regarding the proposal. In lieu of adverse comment indicating environmental problems that have not been heretofore identified, the Department proposes to license the site as a Class III solid waste management system.

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

At this stage of the Montana Environmental Policy Act process (MEPA), an Environmental Impact Statement (EIS) is not indicated and the EA is an adequate document to address the potential impacts of the proposed facility.

If an EIS is not required, explain why the EA is an appropriate level of analysis:

The Department finds that the operation of the proposed facility will not significantly affect the quality of the human environment. Potential environmental impacts to surface water resources, terrestrial and aquatic life, vegetation and other aspects of the physical environment are expected to be minor, if any, for the proposed Class III Landfill. The Environmental Assessment is therefore an adequate document to address the potential impact of the proposed facility.

Other groups or agencies contacted or which may have overlapping jurisdiction:

Mineral County Sanitarian.

Individuals or groups contributing to this EA:

Application for a Solid Waste Management System License - Plum Creek Timber Company, L.P.

EA prepared by:

Rick Thompson - Community Services Bureau, Solid Waste Licensing Program.

DATE: December 29, 1998

Table 1. POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

	Maj	Mod	Min	None	Unkn	Att
1. Terrestrial and Aquatic Life and Habitat			XXX			XXX
2. Water Quality, Quantity, and Distribution			XXX			XXX
3. Geology and Soil Quality, Stability and Moisture			XXX			XXX
4. Vegetation Cover, Quantity and Quality			XXX			XXX
5. Aesthetics			XXX			XXX
6. Air Quality			XXX			XXX
7. Unique, Endangered, Fragile or Limited Environmental Resources					XXX	
8. Demands on Environmental Resources of Water, Air, and Energy			XXX			XXX
9. Historical and Archaeological Sites					XXX	XXX

*Maj = Major; Mod = Moderate; Min = Minor; Unkn = Unknown; Att = Attached

CUMULATIVE AND SECONDARY IMPACTS: The overall impact of the proposed licensing action is anticipated to be **minor**, due to the inertness of some materials to be disposed of at the site.

Table 2. POTENTIAL IMPACT ON HUMAN ENVIRONMENT

	Maj	Mod	Min	None	Unkn	Att
1. Social Structure and Mores				XXX		
2. Cultural Uniqueness and Diversity				XXX		
3. Local and State Tax Base and Tax Revenue				XXX		
4. Agricultural or Industrial Production				XXX		
5. Human Health				XXX		
6. Access to and Quality of Recreational and Wilderness Activities				XXX		
7. Quantity and Distribution of Employment				XXX		
8. Distribution of Population				XXX		
9. Demands for Government Services			XXX			XXX
10. Industrial and Commercial Activity				XXX		
11. Locally Adopted Environmental Plans and Goals				XXX		XXX

*Maj = Major; Mod = Moderate; Min = Minor; Unkn = Unknown; Att = Attached

CUMULATIVE AND SECONDARY IMPACTS: The licensing of the Plum Creek Timber Co., L.P. Class III Landfill is anticipated to have **minor** impacts on the human environment.

Evaluating The Potential Impact Of The Proposed Solid Waste Management System On The Environment.

The following is a detailed explanation concerning the previous pages' comments on the potential impacts on the proposed solid waste management system on the environment (see Tables 1 and 2). In other words, the categories marked "attached" will be addressed in the subsequent pages. An overall impact of the proposed licensing action for each category will follow.

I. Potential Impacts on the Physical Environment.

1. Terrestrial and Aquatic Life and Habitats and 4. Vegetation Cover, Quantity and Quality.

The proposed Class III Landfill is located on a relatively level bench on Plum Creek owned land. The flora consists of Ponderosa Pine, Douglas Fir and Western Larch trees in the overstory. The fauna in the area of the proposed facility consists of deer, bird, small mammal, reptile and native invertebrate populations.

The potential impact of the proposed Plum Creek Timber Co., L.P. Class III Landfill is anticipated to be minor. Upon closure of this site, Plum Creek plans to reclaim the 2 acres of land, utilizing native soil and revegetating with native plants returning it to a natural condition, thereby enhancing repopulation by any displaced native fauna.

2. Water Quality, Quantity and Distribution.

There are no well logs, or wells within a close proximity to the proposed facility to provide depth to ground water data. It is estimated the depth to ground water is greater than 20 feet. Distance to closest surface water body is 500 feet to Pardee Creek. At one time, maps indicated a spring, 1000 feet south from the proposed site, but this location now has Interstate 90 cut through it. The road cut is approximately 40 foot deep and has been reported to be dry.

The potential impact of the proposed Plum Creek Timber Co., L.P. Class III Landfill is anticipated to be minor on local water systems. This assessment was made as the depth to ground water below the site is greater than 20 feet and the distance to the Pardee Creek is 500 feet. The applicant will have stormwater controls in place to prevent the stormwater from leaving the site. Leachate from wood waste landfills could increase the BOD, COD, pH, odor and taste associated with increases in lignin and tannin in the ground water aquifer or nearby surface water bodies. However, the depth to ground water could attenuate these constituents.

3. Geology and Soil Quality, Stability and Moisture.

The proposed site is located in the extreme west central portion of the state. In general, the geology of the area consists of slightly metamorphosed sedimentary rocks of the Precambrian Belt Series or Belt Supergroup, according to Veseth and Montagne (1980). The Belt series, as described by Ross (1963), is a monotonous assemblage of very thick units composed mainly of somber-hued fine grained quartzites, and some subordinate carbonate rocks. The soils found in the vicinity of the site, have been classified by the United States Department of Agriculture

(USDA) and the Natural Resource Conservation Service (NRCS) to be Nevine-Krause complex, 8 to 15 percent slopes. The Nevine-Krause complex is generally found on steeply sloping terrace escarpments and sidewalls of intermediate level terraces and fan terraces along the Clark Fork River. The USDA and NRCS describe this soil to be sandy and loamy. Nevine-Krause complex is generally found to be moderately permeable, with slow run-off.

The potential impact is anticipated to be minor because of the low erosion qualities of the soil as well as a moderate moisture retention capacity and low run-off potential.

5. Aesthetics.

The proposed solid waste management facility is located 3 miles west of the town of Superior. It is not easily visible from Interstate 90, but is visible from Pardee Creek Road. Landfilling will take place below the ground for awhile. This practice should preclude much of the visible impact. No waste will be stockpiled but will be placed in the disposal cell as soon as it is transported to the site.

The potential aesthetic impact is anticipated to be minor due to the material being covered every 90 days and the wood rock mix resembles a natural product.

6. Air Quality.

Additional vehicular traffic would be added to the existing traffic flow of the area as a result of landfilling. A slight increase in dust particles may occur in drier months of the year. However, no significant impact to the Superior area is anticipated due to operation of a Class III landfill. No open burning will take place at the site.

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

The operation of any solid waste management facility would require the consumption of energy, particularly equipment fuels.

The potential impacts of the proposed site may have minor positive effects on the environmental resources because it will reduce the amount of fuel used for waste hauling to other disposal sites. The reduced hauling will also reduce the amount of wear and tear on local roads.

9. Historical and Archaeological Sites.

The applicant submitted no information on historical or archaeological sites within the proposed facility. Also, the State Historic Preservation Office (SHPO) was not contacted prior to the publication of this Environmental Assessment (EA). However, a copy of this EA will be sent to the SHPO for comment during the thirty (30) day public comment period.

II. Potential Impacts on the Human Environment.

9. Demands for Governmental Services.

The potential impacts of proposed facility is anticipated to be minor because the site will require periodic inspections by Departmental personnel and the County Sanitarian. The solid waste management license for this facility must be renewed annually.

11. Locally Adopted Environmental Plans and Goals.

No impact is anticipated, as indicated by signature of the County Sanitarian, that the proposed facility is in compliance with local government zoning and ordinances.

References

Application for a Class III Landfill, Plum Creek Timber Company, L.P., Mitchell Leu, 1997.

Response to Request for Additional Information, Plum Creek Timber Company, L.P., Mitchell Leu, 1997.

U. S. Department of Agriculture, Soil Survey, St. Regis, Ninemile Are, Montana, Lolo National Forest, 1972.

Log Yard Debris Management Methods, Ron Mensch, Twin Creek Enterprises, October 1998.

Geologic Parent Materials of Montana Soils, Roger Veseth and Clifford Montagne, Montana Agricultural Experiment Station Montana State University, Bozeman and USDA – Soil Conservation Service, Bozeman, Montana, Bulletin 721, 1980.

The Belt Series of Montana, C.P. Ross, U.S. Geologic Survey Prof. Paper, 1963.

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ENVIRONMENTAL ASSESSMENT

Foothills View

SUBDIVISION

I. POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

LAKE

Lots 2, 3+5

Major Moderate Minor None Unknown Comments Attached

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 Resources of Water, Air and Energy
9. Historical and Archaeological Sites

	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 Resources of Water, Air and Energy			X			
9. Historical and Archaeological Sites					X	

Cumulative and Secondary Impacts

MINOR RECEIVED

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II. POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

ENVIRONMENTAL QUALITY COUNCIL

Major Moderate Minor None Unknown Comments Attached

1. Social Structures and Mores
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 and 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

	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 Governmental Services			X			
10. Industrial and Commercial Activity			X			
11. Locally Adopted Environmental Plans and Goals					X	

Cumulative and Secondary Impacts

MINOR

Montana Department of Environmental Quality/
Local Government Joint Application Form

No. _____

PART I. GENERAL DESCRIPTION AND INFORMATION

(Please type or print all information)

1. Name of proposed development Amended Plat Lots 2, 3, & 5 Feathills View
2. Location (City and/or County) St. Ignatius, LAKE
Legal description: ~~NE 1/4~~ ^{E 1/2} NE 1/4 of Section 17 Township 18N Range 19W
3. Is concurrent review by the local governing body and DEQ requested?
Yes No 99-1838
4. Type of water supply system: Individual or shared well ^{Existing} Individual cistern _____
Individual surface water supply or spring _____ Multiple-family water supply system (3-14 connections and fewer than 25 people) _____
Service connection to multiple-family system _____
Service connection to public system _____ Extension of public main _____ New public system _____
5. Type of wastewater treatment system: Individual or shared on-site septic system ^{Existing}
Multiple-family on-site system (3-14 connections and fewer than 25 people) _____ Service connection to multiple-family system _____
Service connection to public system _____
Extension of public main _____ New public system _____
6. Name of solid waste (garbage) disposal site LAKE County
7. Is information included which substantiates that there will be no degradation of state waters or that degradation will be nonsignificant? N/A PRE 1996

If not, have you enclosed an Application to Degrade? _____

8. Descriptive Data:

- a. Number of lots or rental spaces 1
- b. Total acreage in lots being reviewed 5 AC
- c. Total acreage in streets or roads N/A
- d. Total acreage in parks, open space, and/or common facilities N/A
- e. TOTAL gross acreage of subdivision 5 AC
- f. Minimum size of lots or spaces 5 AC
- g. Maximum size of lots or spaces 5 AC

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MT. DEPT. OF ENV. QUALITY
PERMITTING & COMPLIANCE DIV.

9. Indicate the ^{Existing} ~~proposed~~ use(s) and number of lots or spaces in each:

- Residential, single family
- _____ Residential, multiple family
- _____ Types of multiple family structures and numbers of each (e.g. duplex)
- _____ Planned Unit Development (No. of units _____)
- _____ Condominium (No. of units _____)
- _____ Mobile home park _____ Recreational vehicle park
- _____ Commercial or industrial
- _____ Other (please describe) _____

130.00 3522
12-4-98 ER

I. POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

LAKE

Major Moderate Minor None Unknown Comments Attached

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 Resources of Water, Air and Energy
9. Historical and Archaeological Sites

				X	
		X			
		X			
				X	
				X	
		X			
				X	
		X			
				X	

Cumulative and Secondary Impacts

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II. POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

ENVIRONMENTAL QUALITY COUNCIL

1. Social Structures and Mores
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 and 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

		X			
		X			
		X			
				X	
		X			
				X	
		X			
		X			
		X			
		X			
				X	

Cumulative and Secondary Impacts

MINOR

Montana Department of Environmental Quality/
Local Government Joint Application Form

No. _____

PART I. GENERAL DESCRIPTION AND INFORMATION

(Please type or print all information)

Felton

1. Name of proposed development IMMEDIATE FAMILY TRANSFER

2. Location (City and/or County) LAKE COUNTY

Legal description: Por of NW 1/4 SW 1/4 of Section 8 Township 18N Range 19W

3. Is concurrent review by the local governing body and DEQ requested?
Yes _____ No X 99-1855

4. Type of water supply system: Individual or shared well X Individual cistern _____
Individual surface water supply or spring _____ Multiple-family water supply system (3-14 connections and fewer than 25 people) _____
Service connection to multiple-family system _____
Service connection to public system _____ Extension of public main _____ New public system _____

5. Type of wastewater treatment system: Individual or shared on-site septic system X
Multiple-family on-site system (3-14 connections and fewer than 25 people) _____ Service connection to multiple-family system _____
Service connection to public system _____ Extension of public main _____ New public system _____

6. Name of solid waste (garbage) disposal site POULSON SANITARY LANDFILL

7. Is information included which substantiates that there will be no degradation of state waters or that degradation will be nonsignificant? _____

If not, have you enclosed an Application to Degrade? _____

8. Descriptive Data:

- a. Number of lots or rental spaces 2
- b. Total acreage in lots being reviewed 5.00 Ac.
- c. Total acreage in streets or roads 0.39 Ac. EXISTING PUBLIC ROAD
- d. Total acreage in parks, open space, and/or common facilities _____
- e. TOTAL gross acreage of subdivision 80.15
- f. Minimum size of lots or spaces 5.00 Ac.
- g. Maximum size of lots or spaces 75.15

9. Indicate the proposed use(s) and number of lots or spaces in each:

- 1 Residential, single family
- _____ Residential, multiple family
- _____ Types of multiple family structures and numbers of each (e.g. duplex)
- _____ Planned Unit Development (No. of units _____)
- _____ Condominium (No. of units _____)
- _____ Mobile home park _____ Recreational vehicle park
- _____ Commercial or industrial
- _____ Other (please describe) _____

130.00 1542
12-15-98 EP

I. POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

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 Resources of Water, Air and Energy
9. Historical and Archaeological Sites

Major	Moderate	Minor	None	Unknown	Comments Attached
				X	
		X			
		X			
				X	
				X	
		X			
				X	
		X			
				X	

Cumulative and Secondary Impacts

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DEC 3 U 1998

II. POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

ENVIRONMENTAL QUALITY COUNCIL

1. Social Structures and Mores
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 and 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

Major	Moderate	Minor	None	Unknown	Comments Attached
		X			
		X			
		X			
				X	
		X			
				X	
		X			
		X			
		X			
				X	

Cumulative and Secondary Impacts

MINOR

Revised 11/11/98 NOV 13 1998

Gas #
PAR #

Montana Department of Environmental Quality/
Local Government Joint Application Form --

No. _____

PART I. GENERAL DESCRIPTION AND INFORMATION

(Please type or print all information)

1. Name of proposed development ZITA FAMILY TRACT

2. Location (City and/or County) HAMILTON, RAVALLI CO.

Legal description: 1/4 NE 1/4 of Section 23 Township 6N Range 20W

3. Is concurrent review by the local governing body and DEQ requested?
Yes _____ No ✓ EQ # 99-1751

4. Type of water supply system: Individual or shared well ✓ Individual cistern _____
Individual surface water supply or spring _____ Multiple-family water supply system (3-14 connections and fewer than 25 people) _____
Service connection to multiple-family system _____
Service connection to public system _____ Extension of public main _____ New public system _____

5. Type of wastewater treatment system: Individual or shared on-site septic system ✓
Multiple-family on-site system (3-14 connections and fewer than 25 people) _____ Service connection to multiple-family system _____
Service connection to public system _____ Extension of public main _____ New public system _____

6. Name of solid waste (garbage) disposal site MUSKOGEE LANDFILL

7. Is information included which substantiates that there will be no degradation of state waters or that degradation will be nonsignificant? YES

If not, have you enclosed an Application to Degrade? NA

8. Descriptive Data:

- a. Number of lots or rental spaces 4 (REMAINDER IS GRANT BHS TRACT)
- b. Total acreage in lots being reviewed 31
- c. Total acreage in streets or roads -
- d. Total acreage in parks, open space, and/or common facilities -
- e. TOTAL gross acreage of subdivision 40
- f. Minimum size of lots or spaces 3.2
- g. Maximum size of lots or spaces 18

9. Indicate the proposed use(s) and number of lots or spaces in each:

- 3 Residential, single family Including HB 408 Lot (Remainder)
- 1 Residential, multiple family - 2 UNITS ON TRACT B
- _____ Types of multiple family structures and numbers of each (e.g. duplex)
- _____ Planned Unit Development (No. of units _____)
- _____ Condominium (No. of units _____)
- _____ Mobile home park _____ Recreational vehicle park
- _____ Commercial or industrial
- _____ Other (please describe) _____

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PERMITTING & COMPLIANCE DIV

495.00 5001
11-23-98 EP

7. POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

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 Resources of Water, Air and Energy
9. Historical and Archaeological Sites

	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 Resources of Water, Air and Energy			X			
9. Historical and Archaeological Sites						

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Cumulative and Secondary Impacts

MINOR

DEC 3 11 1998

11. POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

ENVIRONMENTAL QUALITY COUNCIL

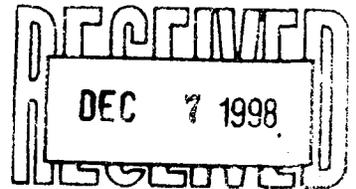
Major Moderate Minor None Unknown Comments Attached

1. Social Structures and Mores
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 and 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

	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 Governmental Services			X			
10. Industrial and Commercial Activity				X		
11. Locally Adopted Environmental Plans and Goals					X	

Cumulative and Secondary Impacts

MINOR



Montana Department of Environmental Quality/
Local Government Joint Application Form

No. _____

PART I. GENERAL DESCRIPTION AND INFORMATION

(Please type or print all information)

1. Name of proposed development Carl's Subdivision - Lots 1, 2 & 3

2. Location (City and/or County) Billings Yellowstone County

Legal description: 1/4 SW 1/4 of Section 33 Township 1N Range 25E

3. Is concurrent review by the local governing body and DEQ requested?
Yes _____ No X EQ #99-1836

4. Type of water supply system: Individual or shared well _____ Individual cistern _____
Individual surface water supply or spring _____ Multiple-family water supply system (3-14
connections and fewer than 25 people) _____ Service connection to multiple-family system
_____ Service connection to public system _____ Extension of public main _____ New
public system _____

5. Type of wastewater treatment system: Individual or shared on-site septic system X
Multiple-family on-site system (3-14 connections and fewer than 25 people) _____ Service
connection to multiple-family system _____ Service connection to public system _____
Extension of public main _____ New public system _____

6. Name of solid waste (garbage) disposal site City of Billings Landfill

7. Is information included which substantiates that there will be no degradation of state waters
or that degradation will be nonsignificant? _____ yes _____

If not, have you enclosed an Application to Degrade? _____

8. Descriptive Data:

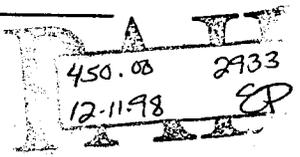
- a. Number of lots or rental spaces Three (3)
- b. Total acreage in lots being reviewed 8.920 Ac.
- c. Total acreage in streets or roads 1.336 Ac.
- d. Total acreage in parks, open space, and/or common facilities _____
- e. TOTAL gross acreage of subdivision 10.256 Ac.
- f. Minimum size of lots or spaces 2.013 Ac.
- g. Maximum size of lots or spaces 4.895 Ac.



DEPT. OF ENV. QUALITY
PERMITTING & COMPLIANCE DIV.

9. Indicate the proposed use(s) and number of lots or spaces in each:

- 3 Residential, single family
- _____ Residential, multiple family
- _____ Types of multiple family structures and numbers of each (e.g. duplex)
- _____ Planned Unit Development (No. of units _____)
- _____ Condominium (No. of units _____)
- _____ Mobile home park _____ Recreational vehicle park
- _____ Commercial or industrial
- _____ Other (please describe) _____



I. POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

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 Resources of Water, Air and Energy
9. Historical and Archaeological Sites

	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 Resources of Water, Air and Energy			X			
9. Historical and Archaeological Sites					X	

Cumulative and Secondary Impacts

MINOR

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DEC 5 0 1990

II. POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

1. Social Structures and Mores
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 and 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

	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 Governmental Services			X			
10. Industrial and Commercial Activity				X		
11. Locally Adopted Environmental Plans and Goals					X	

Cumulative and Secondary Impacts

MINOR

Montana Department of Environmental Quality/
Local Government Joint Application Form

No. _____

PART I. GENERAL DESCRIPTION AND INFORMATION

(Please type or print all information)

1. Name of proposed development BOEHM FAMILY TRANSFER
2. Location (City and/or County) FLATHEAD COUNTY
Legal description: SW 1/4 SE 1/4 of Section 11 Township 27N. Range 23W.
3. Is concurrent review by the local governing body and DEQ requested?
Yes _____ No X EG-99-75
4. Type of water supply system: Individual or shared well X Individual cistern _____
Individual surface water supply or spring _____ Multiple-family water supply system (3-14 connections and fewer than 25 people) _____
Service connection to multiple-family system _____
Service connection to public system _____ Extension of public main _____ New public system _____
5. Type of wastewater treatment system: Individual or shared on-site septic system X
Multiple-family on-site system (3-14 connections and fewer than 25 people) _____ Service connection to multiple-family system _____
Service connection to public system _____
Extension of public main _____ New public system _____
6. Name of solid waste (garbage) disposal site FLATHEAD Co. SOLID WASTE
7. Is information included which substantiates that there will be no degradation of state waters or that degradation will be nonsignificant? YES
If not, have you enclosed an Application to Degrade? NIA
8. Descriptive Data:
 - a. Number of lots or rental spaces 3
 - b. Total acreage in lots being reviewed 9.9 AC
 - c. Total acreage in streets or roads NIA
 - d. Total acreage in parks, open space, and/or common facilities NIA
 - e. TOTAL gross acreage of subdivision 9.9 AC.
 - f. Minimum size of lots or spaces 2.61 AC.
 - g. Maximum size of lots or spaces 4.01 AC.

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MT. DEPT. OF ENVIRONMENTAL QUALITY
PERMITTING & COMPLIANCE DIV.

9. Indicate the proposed use(s) and number of lots or spaces in each:
- X Residential, single family
 - _____ Residential, multiple family
 - _____ Types of multiple family structures and numbers of each (e.g. duplex)
 - _____ Planned Unit Development (No. of units _____)
 - _____ Condominium (No. of units _____)
 - _____ Mobile home park
 - _____ Recreational vehicle park
 - _____ Commercial or industrial
 - _____ Other (please describe) _____

480.00 2087
12/14/98 K0

I. 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 Resources of Water, Air and Energy			X			
9. Historical and Archaeological Sites					X	

Cumulative and Secondary Impacts

MINOR

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DEC 30 1998

II. POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

ENVIRONMENTAL QUALITY CONTROL
Major Moderate Minor None Unknown **Comments Attached**

1. Social Structures and Mores
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 and 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. 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 Governmental Services			X			
10. Industrial and Commercial Activity				X		
11. Locally Adopted Environmental Plans and Goals					X	

Cumulative and Secondary Impacts

MINOR

Montana Department of Environmental Quality/
Local Government Joint Application Form

No. _____

PART I. GENERAL DESCRIPTION AND INFORMATION

(Please type or print all information)

1. Name of proposed development LYLE FAMILY TRANSFER
2. Location (City and/or County) NEAR KALISPEY, FLATHEAD
Legal description: ~~SE~~ ^{SE} 1/4 ~~SW~~ ^{SE} 1/4 of Section 18 Township 28N Range 22W
3. Is concurrent review by the local governing body and DEQ requested?
Yes _____ No X
4. Type of water supply system: Individual or shared well X Individual cistern _____
Individual surface water supply or spring _____ Multiple-family water supply system (3-14
connections and fewer than 25 people) _____ Service connection to multiple-family system
_____ Service connection to public system _____ Extension of public main _____ New
public system _____
5. Type of wastewater treatment system: Individual or shared on-site septic system X
Multiple-family on-site system (3-14 connections and fewer than 25 people) _____ Service
connection to multiple-family system _____ Service connection to public system _____
Extension of public main _____ New public system _____
6. Name of solid waste (garbage) disposal site FLATHEAD CO. SOLID WASTE
7. Is information included which substantiates that there will be no degradation of state waters
or that degradation will be nonsignificant? YES
If not, have you enclosed an Application to Degrade? N/A

99-1811

8. Descriptive Data:

- a. Number of lots or rental spaces 2
- b. Total acreage in lots being reviewed 24.2AC.
- c. Total acreage in streets or roads N/A
- d. Total acreage in parks, open space, and/or common facilities N/A
- e. TOTAL gross acreage of subdivision 24.2AC
- f. Minimum size of lots or spaces 10.0AC.
- g. Maximum size of lots or spaces 14.2AC.

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DEC 07 1998
MONTANA DEPT. OF ENV. QUALITY
PERMITTING & COMPLIANCE DIV.

9. Indicate the proposed use(s) and number of lots or spaces in each:

- X Residential, single family
- _____ Residential, multiple family
- _____ Types of multiple family structures and numbers of each (e.g. duplex)
- _____ Planned Unit Development (No. of units _____)
- _____ Condominium (No. of units _____)
- _____ Mobile home park
- _____ Commercial or Industrial
- _____ Other (please describe) _____
- _____ Recreational vehicle park

PAID
320.00 2678
12-7-98 EP

I. POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

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 Resources of Water, Air and Energy
9. Historical and Archaeological Sites

	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 Resources of Water, Air and Energy			X			
9. Historical and Archaeological Sites					X	

Cumulative and Secondary Impacts

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II. POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

ENVIRONMENTAL QUALITY COUNCIL

1. Social Structures and Mores
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 and 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

	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 Governmental Services			X			
10. Industrial and Commercial Activity				X		
11. Locally Adopted Environmental Plans and Goals					X	

Cumulative and Secondary Impacts

Minor

**Montana Department of Environmental Quality/
Local Government Joint Application Form**

No. _____

PART I. GENERAL DESCRIPTION AND INFORMATION
(Please type or print all information)

1. Name of proposed development Berens 2nd Subsequent Minor Subdivision, Plat #1770, AM
2. Location (City and/or County) Roscoe/Carbon County
Legal description: SE1/4 NW1/4 of Section 12 Township 6S Range 18E
3. Is concurrent review by the local governing body and DEQ requested? E.Q. #99-1293
Yes x No _____
4. Type of water supply system: Individual or shared well x . Individual cistern _____. Individual surface water supply or spring _____. Multiple-family water supply system (3-14 connections and fewer than 25 people) _____. Service connection to multiple-family system _____. Service connection to public system _____. Extension of public main _____. New public system _____.
5. Type of wastewater treatment system: Individual or shared on-site septic system x . Multiple-family on-site system (3-14 connections and fewer than 25 people) _____. Service connection to multiple-family system _____. Service connection to public system _____. Extension of public main _____. New public system _____.
6. Name of solid waste (garbage) disposal site BILLINGS SOLID WASTE LANDFILL
7. Is information included which substantiates that there will be no degradation of state waters or that degradation will be non-significant? Yes

If not, have you enclosed an Application to Degrade? n/a

8. Descriptive Data:
 - a. Number of lots or rental spaces Two (2)
 - b. Total acreage in lots 14.9
 - c. Total acreage in streets or roads n/a
 - d. Total acreage in parks, open space, and/or common facilities n/a
 - e. TOTAL gross acreage of subdivision 14.9
 - f. Minimum size of lots or spaces 7.4 acres
 - g. Maximum size of lots or spaces 7.5 acres

MT. DEPT. OF ENV. QUALITY
PERMITTING & COMPLIANCE DIV

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AUG 26 1998

9. Indicate the proposed use(s) and number of lots or spaces in each:
 - x Residential, single family
 - _____ Residential, multiple family
 - _____ Types of multiple family structures and numbers of each (e.g.: duplex, 4-plex)
 - _____ Planned Unit Development (No. of units _____)
 - _____ Condominium (No. of units _____)
 - _____ Mobile Home Park
 - _____ Recreational Vehicle Park
 - _____ Commercial or Industrial
 - _____ Other (please describe) _____

PAID
240.00 5002
8-26-98
EP

I. POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

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 Resources of Water, Air and Energy
9. Historical and Archaeological Sites

Major	Moderate	Minor	None	Unknown	Comments Attached
		X			
		X			
		X			
		X			
		X			
		X			
				X	
		X			

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Cumulative and Secondary Impacts

MINOR

DEC 9 0 1998

II. POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

ENVIRONMENTAL QUALITY COUNCIL

Major Moderate Minor None Unknown Comments Attached

1. Social Structures and Mores
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 and 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

Major	Moderate	Minor	None	Unknown	Comments Attached
				X	
				X	
				X	
				X	
		X			
			X		
			X		
			X		
		X			
			X		
				X	

Cumulative and Secondary Impacts

MINOR

Montana Department of Environmental Quality/
Local Government Joint Application Form

No. _____

PART I. GENERAL DESCRIPTION AND INFORMATION

(Please type or print all information)

1. Name of proposed development NABORS BOUNDARY LINE ADJUSTMENT

2. Location (City and/or County) FLATHEAD

Legal description: 1/4 SE 1/4 of Section 11 Township 31 Range 22

3. Is concurrent review by the local governing body and DEQ requested?
Yes N/A No N/A E.Q. 99-1856

4. Type of water supply system: Individual or shared well Individual cistern _____
Individual surface water supply or spring _____ Multiple-family water supply system (3-14
connections and fewer than 25 people) _____ Service connection to multiple-family system
_____ Service connection to public system _____ Extension of public main _____ New
public system _____

5. Type of wastewater treatment system: Individual or shared on-site septic system
Multiple-family on-site system (3-14 connections and fewer than 25 people) _____ Service
connection to multiple-family system _____ Service connection to public system _____
Extension of public main _____ New public system _____

6. Name of solid waste (garbage) disposal site FLATHEAD CO.

7. Is information included which substantiates that there will be no degradation of state waters
or that degradation will be nonsignificant? YES

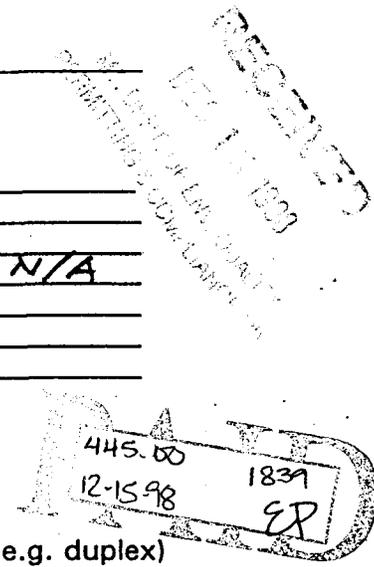
If not, have you enclosed an Application to Degrade? N/A

8. Descriptive Data:

- a. Number of lots or rental spaces 1
- b. Total acreage in lots being reviewed 17.147
- c. Total acreage in streets or roads N/A
- d. Total acreage in parks, open space, and/or common facilities N/A
- e. TOTAL gross acreage of subdivision 17.147
- f. Minimum size of lots or spaces N/A
- g. Maximum size of lots or spaces _____

9. Indicate the proposed use(s) and number of lots or spaces in each:

- Residential, single family
- _____ Residential, multiple family
- _____ Types of multiple family structures and numbers of each (e.g. duplex)
- _____ Planned Unit Development (No. of units _____)
- _____ Condominium (No. of units _____)
- _____ Mobile home park _____ Recreational vehicle park
- _____ Commercial or industrial
- _____ Other (please describe) _____



Sanders County

I. POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

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 Resources of Water, Air and Energy
9. Historical and Archaeological Sites

				X	
		X			
		X			
				X	
				X	
		X			
				X	
		X			
				X	

Cumulative and Secondary Impacts

Minor

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DEC 30 1990

II. POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

ENVIRONMENTAL QUALITY COUNCIL

Major Moderate Minor None Unknown Comments Attached

1. Social Structures and Mores
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 and 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

		X			
		X			
		X			
				X	
		X			
				X	
		X			
		X			
		X			
				X	

Cumulative and Secondary Impacts

Minor

Montana Department of Environmental Quality/
Local Government Joint Application Form

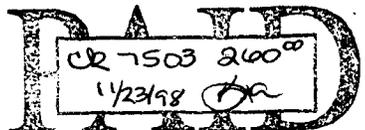
No. _____

PART I. GENERAL DESCRIPTION AND INFORMATION

(Please type or print all information)

1. Name of proposed development Leufkens minor subdivision
2. Location (City and/or County) Thompson Falls Sanders Co
Legal description: NE 1/4 SE 1/4 of Section 9 Township 21N Range 29W
3. Is concurrent review by the local governing body and DEQ requested?
Yes _____ No X EQ # 99-1754
4. Type of water supply system: Individual or shared well _____ Individual cistern _____
Individual surface water supply or spring _____ Multiple-family water supply system (3-14 connections and fewer than 25 people) _____
Service connection to multiple-family system _____
Service connection to public system X Extension of public main _____ New public system _____
5. Type of wastewater treatment system: Individual or shared on-site septic system X
Multiple-family on-site system (3-14 connections and fewer than 25 people) _____ Service connection to multiple-family system _____
Service connection to public system _____
Extension of public main _____ New public system _____
6. Name of solid waste (garbage) disposal site Sanders Co Solid Waste Facility
7. Is information included which substantiates that there will be no degradation of state waters or that degradation will be nonsignificant? _____
If not, have you enclosed an Application to Degrade? _____
8. Descriptive Data:
 - a. Number of lots or rental spaces 2
 - b. Total acreage in lots being reviewed 2.00
 - c. Total acreage in streets or roads _____
 - d. Total acreage in parks, open space, and/or common facilities _____
 - e. TOTAL gross acreage of subdivision _____
 - f. Minimum size of lots or spaces 1.00
 - g. Maximum size of lots or spaces 1.00
9. Indicate the proposed use(s) and number of lots or spaces in each:

_____	Residential, single family
_____	Residential, multiple family
_____	Types of multiple family structures and numbers of each (e.g. duplex)
_____	Planned Unit Development (No. of units _____)
_____	Condominium (No. of units _____)
_____	Mobile home park _____ Recreational vehicle park _____
<u>2</u>	Commercial or industrial
_____	Other (please describe) _____



I. POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

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 Resources of Water, Air and Energy
9. Historical and Archaeological Sites

	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 Resources of Water, Air and Energy			X			
9. Historical and Archaeological Sites					X	

Cumulative and Secondary Impacts

MINOR

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II. POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

ENVIRONMENTAL
Major Moderate Minor None Unknown Comments Attached

1. Social Structures and Mores
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 and 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

	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 Governmental Services			X			
10. Industrial and Commercial Activity				X		
11. Locally Adopted Environmental Plans and Goals					X	

Cumulative and Secondary Impacts

MINOR

Montana Department of Environment Quality/
Local Government Joint Application Form

No. _____

PART 1. GENERAL DESCRIPTION AND INFORMATION

(Please type or print all information)

1. Name of proposed development POVERTY ACRES

2. Location (City and/or County) near Yaak in Lincoln County
Legal description: HES 845 of Section 9 Township 34N Range 33W

3. Is concurrent review by the local governing body and DEQ requested?
Yes X No _____ *CA-1862*

4. Type of water supply system: Individual or shared well X Individual cistern _____
Individual surface water supply or spring _____ Multiple-family water supply system (3-14 connections and fewer than 25 people) _____
Service connection to multiple-family system _____ Service connection to public system _____
Extension of public main _____ New public system _____

5. Type of wastewater treatment system: Individual or shared on-site septic system X
Multiple-family on-site system (3-14 connections and fewer than 25 people) _____
Service connection to multiple-family system _____ Service connection to public system _____
Extension of public main _____ New public system _____

6. Name of solid waste (garbage) disposal site Lincoln County Landfill

7. Is information included which substantiates that there will be no degradation of state waters or that degradation will be nonsignificant? Yes
If not, have you enclosed an Application to Degrade? N/A

8. Descriptive Data:

- a. Number of lots or rental spaces Two (2)
- b. Total acreage in lots being reviewed 20.856
- c. Total acreage in streets or roads _____
- d. Total acreage in parks, open space, and/or common facilities N/A
- e. TOTAL gross acreage of subdivision 20.856
- f. Minimum size of lots or spaces 5.301
- g. Maximum size of lots or spaces 15.555

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PERMITTING & COMPLIANCE DIV

9. Indicate the proposed use(s) and number of lots or spaces in each:

- 2 Residential, single family
- _____ Residential, multiple family
- _____ Types of multiple family structures and numbers of each (e.g. duplex) EP
- _____ Planned Unit Development (No. of units _____)
- _____ Condominium (No. of units _____)
- _____ Mobile home park _____ Recreation vehicle park
- _____ Commercial or industrial
- _____ Other (please describe) _____

100.00 360
12-16-98 EP

100.00 1078
12-16-98 EP

I. POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

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 Resources of Water, Air and Energy
9. Historical and Archaeological Sites

	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 Resources of Water, Air and Energy			X			
9. Historical and Archaeological Sites					X	

Cumulative and Secondary Impacts

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II. POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

1. Social Structures and Mores
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 and 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

	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 Governmental Services			X			
10. Industrial and Commercial Activity				X		
11. Locally Adopted Environmental Plans and Goals					X	

Cumulative and Secondary Impacts

MINOR

Montana Department of Environmental Quality/
Local Government Joint Application Form

No. _____

PART I. GENERAL DESCRIPTION AND INFORMATION

(Please type or print all information)

1. Name of proposed development ROHRBACH P/T
2. Location (City and/or County) FLATHEAD
- Legal description: ___ 1/4 SW 1/4 of Section 25 Township 30N Range 23W
NW 36
3. Is concurrent review by the local governing body and DEQ requested?
Yes _____ No X
4. Type of water supply system Individual or shared well X Individual cistern _____
Individual surface water supply or spring _____ Multiple-family water supply system (3-14
connections and fewer than 25 people) _____ Service connection to multiple-family system
_____ Service connection to public system _____ Extension of public main _____ New
public system _____
5. Type of wastewater treatment system Individual or shared on-site septic system X
Multiple-family on-site system (3-14 connections and fewer than 25 people) _____ Service
connection to multiple-family system _____ Service connection to public system _____
Extension of public main _____ New public system _____
6. Name of solid waste (garbage) disposal site FLATHEAD Co.
7. Is information included which substantiates that there will be no degradation of state waters
or that degradation will be nonsignificant? yes
If not, have you enclosed an Application to Degrade? NO
8. Descriptive Data:
 - a. Number of lots or rental spaces 3
 - b. Total acreage in lots being reviewed 56.665 ±
 - c. Total acreage in streets or roads N/A
 - d. Total acreage in parks, open space, and/or common facilities N/A
 - e. TOTAL gross acreage of subdivision 56.665
 - f. Minimum size of lots or spaces 18.80 ±
 - g. Maximum size of lots or spaces 18.955
9. Indicate the proposed use(s) and number of lots or spaces in each:

<u>X</u> Residential, single family	
_____ Residential, multiple family	
_____ Types of multiple family structures and numbers of each (e.g. duplex)	
_____ Planned Unit Development (No. of units _____)	
_____ Condominium (No. of units _____)	
_____ Mobile home park	_____ Recreational vehicle park
_____ Commercial or industrial	
_____ Other (please describe) _____	

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PERMITTING & COMPLIANCE DIV.
480.00 590
12-17-98 ED

I. POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

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 Resources of Water, Air and Energy
9. Historical and Archaeological Sites

Major	Moderate	Minor	None	Unknown	Comments Attached
		X			
		X			
		X			
		X			
		X			
			X		
		X			

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ENVIRONMENTAL QUALITY COUNCIL

II. POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

1. Social Structures and Mores
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 and 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

Major	Moderate	Minor	None	Unknown	Comments Attached
				X	
				X	
				X	
				X	
		X			
			X		
			X		
		X			
			X		
				X	

Cumulative and Secondary Impacts

MINOR

Montana Department of Environmental Quality/
Local Government Joint Application Form

No. _____

PART I. GENERAL DESCRIPTION AND INFORMATION

(Please type or print all information)

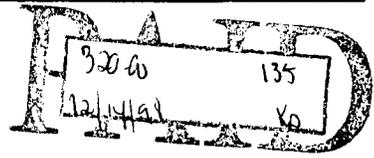
- 1. Name of proposed development DIEHLS MINOR SUBDIVISION
- 2. Location (City and/or County) Big Arm - Meadowlark Lane
Gov't Lot 1
Legal description: 1/4 1/4 of Section 29 Township 24N Range 21W
- 3. Is concurrent review by the local governing body and DEQ requested?
Yes _____ No X
- 4. Type of water supply system: Individual or shared well I Individual cistern _____
Individual surface water supply or spring _____ Multiple-family water supply system (3-14 connections and fewer than 25 people) _____
Service connection to multiple-family system _____
Service connection to public system _____ Extension of public main _____ New public system _____
- 5. Type of wastewater treatment system: Individual or shared on-site septic system I
Multiple-family on-site system (3-14 connections and fewer than 25 people) _____
Service connection to multiple-family system _____
Service connection to public system _____
Extension of public main _____ New public system _____
- 6. Name of solid waste (garbage) disposal site Lake County Landfill (Polson)
- 7. Is information included which substantiates that there will be no degradation of state waters or that degradation will be nonsignificant? yes

If not, have you enclosed an Application to Degrade? _____

- 8. Descriptive Data:
 - a. Number of lots or rental spaces 2
 - b. Total acreage in lots being reviewed _____
 - c. Total acreage in streets or roads _____
 - d. Total acreage in parks, open space, and/or common facilities _____
 - e. TOTAL gross acreage of subdivision _____
 - f. Minimum size of lots or spaces _____
 - g. Maximum size of lots or spaces _____

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 PERMITTING & COMPLIANCE SECTION
 OCT 1 1988

- 9. Indicate the proposed use(s) and number of lots or spaces in each:
 - 2 Residential, single family
 - _____ Residential, multiple family
 - _____ Types of multiple family structures and numbers of each (e.g. duplex)
 - _____ Planned Unit Development (No. of units _____)
 - _____ Condominium (No. of units _____)
 - _____ Mobile home park _____ Recreational vehicle park
 - _____ Commercial or industrial
 - _____ Other (please describe) _____



I. POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

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 Resources of Water, Air and Energy
9. Historical and Archaeological Sites

				X	
		X			
		X			
				X	
				X	
		X			
				X	
		X			
				X	

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II. POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

ENVIRONMENTAL
Major Moderate Minor None Unknown Comments Attached

1. Social Structures and Mores
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 and 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

		X			
		X			
		X			
				X	
		X			
				X	
		X			
		X			
		X			
		X			
				X	

Cumulative and Secondary Impacts

MINOR

Montana Department of Environmental Quality/
Local Government Joint Application Form

No. _____

PART I. GENERAL DESCRIPTION AND INFORMATION
(Please type or print all information)

1. Name of proposed development Bundrock BLA

2. Location (City and/or County) Flathead County

Legal description: NW 1/4 SW 1/4 of Section 12 Township 30N Range 21W

3. Is concurrent review by the local governing body and DEQ requested?
Yes XXX No _____

4. Type of water supply system: Individual or shared well X Individual cistem _____
Individual surface water supply or spring _____ Multiple-family water supply system (3-14 connections and fewer than 25 people) _____
Service connection to multiple-family system _____ Service connection to public system _____ Extension of public main _____
New public system _____

5. Type of wastewater treatment system: Individual or shared on-site septic system X _____
Multiple-family on-site system (3-14 connections and fewer than 25 people) _____
Service connection to multiple-family system _____ Service connection to public system _____
Extension of public main _____ New public system _____

6. Name of solid waste (garbage) disposal site Flathead County Solid Waste

7. Is information included which substantiates that there will be no degradation of state waters or that degradation will be nonsignificant? Yes

If not, have you enclosed an Application to Degrade? Not Applicable

8. Descriptive Data:

- a. Number of lots or rental spaces 2
- b. Total acreage in lots being reviewed 2
- c. Total acreage in streets or roads N/A
- d. Total acreage in parks, open space, and/or common facilities N/A
- e. Total gross acreage of subdivision 14.607
- f. Minimum size of lots or spaces 4.607
- g. Maximum size of lots or spaces 10.000

9. Indicate the proposed use(s) and number of lots or spaces in each:

- 2 Residential, single family
- _____ Residential, multiple family
- _____ Types of multiple family structures and numbers of each (e.g. duplex)
- _____ Planned Unit Development (No. of units _____)
- _____ Condominium (No. of units _____)
- _____ Mobile home park _____ Recreational vehicle park
- _____ Commercial or industrial

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PERMITTING & COMPLIANCE DIV.

PAID
390.00 1685
12/14/99 40

I. POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

Jefferson

Major Moderate Minor None Unknown Comments Attached

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 Resources of Water, Air and Energy
9. Historical and Archaeological Sites

	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 Resources of Water, Air and Energy			X			
9. Historical and Archaeological Sites					X	

Cumulative and Secondary Impacts

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II. POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

ENVIRONMENTAL

Major Moderate Minor None Unknown Comments Attached

1. Social Structures and Mores
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 and 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

	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 Governmental Services			X			
10. Industrial and Commercial Activity			X			
11. Locally Adopted Environmental Plans and Goals					X	

Cumulative and Secondary Impacts

MINOR

Montana Department of Environmental Quality/
Local Government Joint Application Form

No. _____

PART I. GENERAL DESCRIPTION AND INFORMATION

(Please type or print all information)

1. Name of proposed development Petersen
2. Location (City and/or County) Jefferson County
Legal description: 1/4 NW 1/4 of Section 4 Township 1N Range 4W
3. Is concurrent review by the local governing body and DEQ requested?
Yes X No _____ 99-1853
4. Type of water supply system: Individual or shared well X Individual cistern _____
Individual surface water supply or spring _____ Multiple-family water supply system (3-14 connections and fewer than 25 people) _____
Service connection to multiple-family system _____
Service connection to public system _____ Extension of public main _____ New public system _____
5. Type of wastewater treatment system: Individual or shared on-site septic system X
Multiple-family on-site system (3-14 connections and fewer than 25 people) _____ Service connection to multiple-family system _____
Service connection to public system _____
Extension of public main _____ New public system _____
6. Name of solid waste (garbage) disposal site Whitehall
7. Is information included which substantiates that there will be no degradation of state waters or that degradation will be nonsignificant? _____
If not, have you enclosed an Application to Degrade? _____
8. Descriptive Data:
 - a. Number of lots or rental spaces 1
 - b. Total acreage in lots being reviewed 18.13 acres
 - c. Total acreage in streets or roads _____
 - d. Total acreage in parks, open space, and/or common facilities _____
 - e. TOTAL gross acreage of subdivision 18.13 acres
 - f. Minimum size of lots or spaces _____
 - g. Maximum size of lots or spaces _____
9. Indicate the proposed use(s) and number of lots or spaces in each:

160.00 2743
12-15-98 SP

<u>X</u>	Residential, single family
_____	Residential, multiple family
_____	Types of multiple family structures and numbers of each (e.g. duplex)
_____	Planned Unit Development (No. of units _____)
_____	Condominium (No. of units _____)
_____	Mobile home park _____ Recreational vehicle park
_____	Commercial or industrial
_____	Other (please describe) _____

I. POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

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 Resources of Water, Air and Energy
9. Historical and Archaeological Sites

Major	Moderate	Minor	None	Unknown	Comments Attached
				X	
		X			
				X	
				X	
				X	
				X	
				X	
				X	
				X	

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II. POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

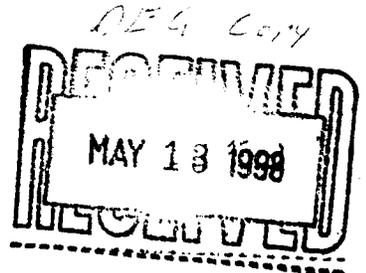
ENVIRONMENTAL QUALITY COUNCIL

Major Moderate Minor None Unknown Comments Attached

1. Social Structures and Mores
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 and 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

Major	Moderate	Minor	None	Unknown	Comments Attached
				X	
				X	
				X	
				X	
		X			
				X	
				X	
				X	
				X	
				X	
				X	

Cumulative and Secondary Impacts



Montana Department of Environmental Quality/
Local Government Joint Application Form

No. _____

PART I. GENERAL DESCRIPTION AND INFORMATION

1. Name of proposed development KIERIG LOTS

2. Location (City and/or County) Hamilton, Ravalli County

Legal description: 1/4 1/4 of Section 16 Township 5N Range 20W

3. Is concurrent review by the local governing body and DEQ requested?
Yes No X

EQ 99-1673

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PERMITTING & COMPLIANCE DIV.

4. Type of water supply system: Individual or shared well X Individual cistern
Individual surface water supply or spring Multiple-family water supply system (3-14
connections and fewer than 25 people) Service connection to multiple-family system
Service connection to public system Extension of public main New public system

5. Type of Wastewater Treatment system: Individual or shared on-site septic system X
Multiple-family on-site system (3-14 connections and fewer than 25 people) Service
connection to multiple-family system Service connection to public system Extension
of public main New public system

6. Name of solid waste (garbage) disposal site. Victor Transfer Site to BFI Missoula landfill

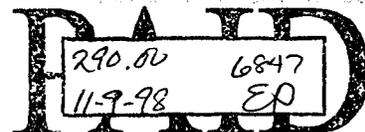
7. Is information included which substantiates that there will be no degradation of state waters
or that degradation will be nonsignificant? Yes

8. Descriptive Data:

- a. Number of lots or rental spaces Two (1)
b. Total acreage in lots being reviewed 16.79 Acres
c. Total acreage in streets or roads N/A (easement roads)
d. Total acreage in parks, open space, and/or common facilities None
e. TOTAL gross acreage of subdivision 16.79 Acres
f. Minimum size of lots or spaces 3.75 Acres
g. Maximum size of lots or spaces 13.04 Acres

9. Indicate the proposed use(s) and number of lots or spaces in each:

- 2 Residential, single family
Residential, multiple family
Types of multiple family structures and numbers of each (e.g. duplex)
Planned Unit Development (No. of units)
Condominium (No. of units)
Mobile home park Recreational vehicle park
Commercial or industrial
Other (please describe)



I. POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

- 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 Resources of Water, Air and Energy
- 9. Historical and Archaeological Sites

				X	
		X			
				X	
				X	
				X	
				X	
				X	
				X	
				X	
				X	

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DEC 30 1998

II. POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

ENVIRONMENTAL QUALITY COUNCIL

Major Moderate Minor None Unknown Comments Attached

- 1. Social Structures and Mores
- 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 and 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

				X	
				X	
				X	
				X	
		X			
				X	
				X	
				X	
				X	
				X	
				X	

Cumulative and Secondary Impacts

Montana Department of Environmental Quality/
Local Government Joint Application Form

No. _____

PART I. GENERAL DESCRIPTION AND INFORMATION

(Please type or print all information)

1. Name of proposed development LAKEVIEW ESTATES ADDITION No. 1

2. Location (City and/or County) LAKE

Legal description: SE 1/4 SE 1/4 8
NE 1/4 NE 1/4 of Section 17 Township 22 N Range 20 W

3. Is concurrent review by the local governing body and DEQ requested?
Yes X No _____

EQ # 99-1457

4. Type of water supply system: Individual or shared well _____ Individual cistern _____
Individual surface water supply or spring ✓ Multiple-family water supply system (3-14
connections and fewer than 25 people) _____ Service connection to multiple-family system
_____ Service connection to public system _____ Extension of public main _____ New
public system _____

5. Type of wastewater treatment system: Individual or shared on-site septic system ✓
Multiple-family on-site system (3-14 connections and fewer than 25 people) _____ Service
connection to multiple-family system _____ Service connection to public system _____
Extension of public main _____ New public system _____

6. Name of solid waste (garbage) disposal site LAKE CO. LANDFILL OR PRIVATE
COLLECTION

7. Is information included which substantiates that there will be no degradation of state waters
or that degradation will be nonsignificant? YES

RECEIVED

If not, have you enclosed an Application to Degrade? _____

SEP 22 1998

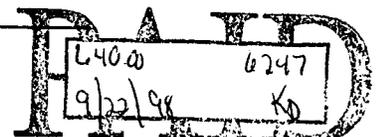
8. Descriptive Data:

- a. Number of lots or rental spaces 5 LOTS
b. Total acreage in lots being reviewed 10.47 ACRES
c. Total acreage in streets or roads 1.20 ACRES, PRIVATE
d. Total acreage in parks, open space, and/or common facilities N/A
e. TOTAL gross acreage of subdivision 10.47 ACRES
f. Minimum size of lots or spaces 1.095 ACRES
g. Maximum size of lots or spaces 1.095 ACRES

MT. DEPT. OF ENV. QUALITY
PERMITTING & COMPLIANCE DIV

9. Indicate the proposed use(s) and number of lots or spaces in each:

- ✓ Residential, single family
_____ Residential, multiple family
_____ Types of multiple family structures and numbers of each (e.g. duplex)
_____ Planned Unit Development (No. of units _____)
_____ Condominium (No. of units _____)
_____ Mobile home park _____ Recreational vehicle park
_____ Commercial or industrial
_____ Other (please describe) _____



I. POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

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 Resources of Water, Air and Energy
9. Historical and Archaeological Sites

Major	Moderate	Minor	None	Unknown	Comments Attached
		X			
		X			
		X			
		X			
		X			
			X		
		X			

RECEIVED

Cumulative and Secondary Impacts

MINOR

DEC 30 1998

II. POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

ENVIRONMENTAL
QUALITY COUNCIL

Major Moderate Minor None Unknown Comments Attached

1. Social Structures and Mores
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 and 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

Major	Moderate	Minor	None	Unknown	Comments Attached
				X	
				X	
				X	
				X	
		X			
			X		
			X		
			X		
		X			
			X		
				X	

Cumulative and Secondary Impacts

MINOR

MAY 02 1998

Montana Department of Environmental Quality/
Local Government Joint Application Form ENVIRONMENTAL HEALTH

No. _____

PART I. GENERAL DESCRIPTION AND INFORMATION

(Please type or print all information)

1. Name of proposed development CROTEAU LOT BOUNDARY RELOCATION
2. Location (City and/or County) CHRYSLER FERRY/HULENT, LEWIS + CLARK
Legal description: ___ 1/4 ___ 1/4 of Section 2 Township 10N Range 1W
3. Is concurrent review by the local governing body and DEQ requested? EO 99-155
Yes X No _____
4. Type of water supply system: Individual or shared well X Individual cistern _____
Individual surface water supply or spring _____ Multiple-family water supply system (3-14 connections and fewer than 25 people) _____
Service connection to multiple-family system _____
Service connection to public system _____ Extension of public main _____ New public system _____
5. Type of wastewater treatment system: Individual or shared on-site septic system X
Multiple-family on-site system (3-14 connections and fewer than 25 people) _____ Service connection to multiple-family system _____
Service connection to public system _____
Extension of public main _____ New public system _____
6. Name of solid waste (garbage) disposal site CITY COUNTY SANITATION/SITE E LANDFILL
7. Is information included which substantiates that there will be no degradation of state waters or that degradation will be nonsignificant? yes
If not, have you enclosed an Application to Degrade? N/A
8. Descriptive Data:
 - a. Number of lots or rental spaces 1
 - b. Total acreage in lots being reviewed 2.4
 - c. Total acreage in streets or roads .18
 - d. Total acreage in parks, open space, and/or common facilities 0
 - e. TOTAL gross acreage of subdivision 2.869
 - f. Minimum size of lots or spaces 1.243
 - g. Maximum size of lots or spaces 1.626

RECEIVED
MONTANA DEPT. OF ENV. QUALITY
PLANNING & COMPLIANCE DIV.

9. Indicate the proposed use(s) and number of lots or spaces in each:

- X 2 Residential, single family
- 0 Residential, multiple family
- 0 Types of multiple family structures and numbers of each (e.g. duplex)
- 0 Planned Unit Development (No. of units _____)
- 0 Condominium (No. of units _____)
- 0 Mobile home park _____ Recreational vehicle park
- 0 Commercial or industrial
- 0 Other (please describe) _____

90.00 138
11-18-98 EP

I. POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

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 Resources of Water, Air and Energy
9. Historical and Archaeological Sites

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

RECEIVED

Cumulative and Secondary Impacts

MINOR

DEC 30 1998

II. POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

ENVIRONMENTAL QUALITY COUNCIL

Major Moderate Minor None Unknown Comments Attached

1. Social Structures and Mores
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 and 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

	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					Y	
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 Governmental Services			Y			
10. Industrial and Commercial Activity				X		
11. Locally Adopted Environmental Plans and Goals					X	

Cumulative and Secondary Impacts

MINOR

Montana Department of Environmental Quality/
Local Government Joint Application Form

No. _____

PART I. GENERAL DESCRIPTION AND INFORMATION

(Please type or print all information)

1. Name of proposed development H. FIRESTONE FAMILY TRACT
2. Location (City and/or County) ARLEE AREA - LAKE COUNTY
Legal description: N 1/2 SE 1/4 of Section 10 Township 16N Range 19W
3. Is concurrent review by the local governing body and DEQ requested?
Yes _____ No X ED # 99-1792
4. Type of water supply system: Individual or shared well X Individual cistern _____
Individual surface water supply or spring _____ Multiple-family water supply system (3-14
connections and fewer than 25 people) _____ Service connection to multiple-family system
_____ Service connection to public system _____ Extension of public main _____ New
public system _____
5. Type of wastewater treatment system: Individual or shared on-site septic system X
Multiple-family on-site system (3-14 connections and fewer than 25 people) _____ Service
connection to multiple-family system _____ Service connection to public system _____
Extension of public main _____ New public system _____
6. Name of solid waste (garbage) disposal site LAKE COUNTY SANITARY LANDFILL
7. Is information included which substantiates that there will be no degradation of state waters
or that degradation will be nonsignificant? YES
If not, have you enclosed an Application to Degrade? _____
8. Descriptive Data:
 - a. Number of lots or rental spaces 1
 - b. Total acreage in lots being reviewed 10
 - c. Total acreage in streets or roads _____
 - d. Total acreage in parks, open space, and/or common facilities _____
 - e. TOTAL gross acreage of subdivision 10
 - f. Minimum size of lots or spaces 10
 - g. Maximum size of lots or spaces 10
9. Indicate the proposed use(s) and number of lots or spaces in each:
X Residential, single family
_____ Residential, multiple family
_____ Types of multiple family structures and numbers of each (e.g. duplex)
_____ Planned Unit Development (No. of units _____)
_____ Condominium (No. of units _____)
_____ Mobile home park _____ Recreational vehicle park
_____ Commercial or industrial
_____ Other (please describe) _____

RECEIVED

DEPT. OF ENVIRONMENTAL QUALITY
PERMITTING & COMPLIANCE

75.00 3800 2
12-16-98 EP

160.00 5770
12-2-98 EP

DEPARTMENT OF ENVIRONMENTAL QUALITY
PERMITTING AND COMPLIANCE DIVISION

METCALF BUILDING
1520 E SIXTH AVE

MARC RACICOT, GOVERNOR



STATE OF MONTANA

(406)444-3080
FAX (406)444-1374

December 22, 1998

PO BOX 200901
HELENA, MONTANA 59620-0901

RECEIVED

DEC 30 1998

ENVIRONMENTAL
QUALITY COUNCIL

Environmental Quality Council
Room 432
State Capitol
Helena, MT 59620

RE: Par Five Estates
Fergus County

Dear Sir/Madam:

Enclosed please find an Environmental Assessment (EA) completed by this Program for the above referenced subdivision. Due to the minimal impacts anticipated from this proposal, this EA has not been circulated to all departments for comment, but has only been forwarded to yourselves and copied to the below.

If you have any questions or comments on the above or I can be of further assistance, please feel free to call on us at the Permitting and Compliance Division at 444-3080.

Sincerely,

Handwritten signature of Dennis McKenna in black ink.

for Dennis McKenna, Supervisor
Subdivision Section
Water Protection Bureau

cc: Fergus County Health Department
Alex Zier
Mike Rinaldi
File

DEPARTMENT OF ENVIRONMENTAL QUALITY
Metcalf Building, Helena, Montana 59620
(406)444-4323

ENVIRONMENTAL ASSESSMENT (EA)

Division/Bureau Department of Environmental Quality, Permitting and Compliance Division

Project or Application Par Five Estates

Location Southwest 1/4 Southwest 1/4 and Northwest 1/4 of Section 13, and the Southeast 1/4 of Section 23, Township 15 North, Range 18 East

Description of Project This project is a 25 lot major subdivision in Fergus County

Water Supply The subdivision is to be supplied with water service through individual wells.

Sewage Treatment The subdivision is to be supplied with sewer service through individual septic tanks, intermittent sand filters and shallow-capped or conventional pressure-dosed drain fields.

Storm Water Drainage Streets are designed to not restrict natural flows of runoff, culverts will be installed as necessary on roadway grades. Two detention ponds have been designed to reduce peak flows. No storm run-off will be designed to enter directly into state waters.

Benefits and Purpose of Proposal This proposal will develop a 106.8 acre parcel into 25 single family residential lots.

Special Circumstances None

North Bitterroot Lake Phase III
Flathead County

POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

1. TERRESTRIAL AND AQUATIC LIFE AND HABITATS Minor
2. WATER QUALITY, QUANTITY AND DISTRIBUTION Minor. The subdivision will consist of 25 lots served by individual water and wastewater systems.
3. GEOLOGY AND SOIL QUALITY, STABILITY AND MOISTURE Minor
4. VEGETATION COVER, QUANTITY AND QUALITY Minor
5. AESTHETICS Minor
6. AIR QUALITY Minor
7. UNIQUE ENDANGERED, FRAGILE OR LIMITED ENVIRONMENTAL RESOURCE
Unknown.
8. DEMANDS ON ENVIRONMENTAL RESOURCE OF WATER, AIR AND ENERGY
Minor.
9. HISTORICAL AND ARCHAEOLOGICAL SITES Unknown.

CUMULATIVE AND SECONDARY IMPACTS Minor

POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

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

Regulatory Impact Analysis

The Sanitation in Subdivisions Act imposes regulatory restrictions on this subdivision which require department review and approval of designs for water supply, wastewater treatment, storm water and solid waste disposal systems. Private property may not be developed for activities that require water supply or wastewater disposal until approval is issued by the Department of Environmental Quality. The impact on this private property is that the systems must be constructed at a cost to the applicant, and that several limitation may be imposed regarding the number of lots which may be created, treatment technologies which may be considered, and/or locations of buildings and sanitary facilities. These requirements have been established to protect public health and water quality.

Alternatives/Rationale:

The systems were proposed by the applicant in the initial application. The department accepts the systems proposed by the applicant as the most economically feasible approach.

Individuals or groups contributing to this EA

Subdivision Section, Water Protection Bureau, Permitting and Compliance Division

EA prepared by: Mark Peterson

Date: December 17, 1998

I. POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

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 Resources of Water, Air and Energy
9. Historical and Archaeological Sites

Major	Moderate	Minor	None	Unknown	Comments Attached
		X			
		X			
		X			
		X			
		X			
			X		
		X			
RECEIVED					

Cumulative and Secondary Impacts

MINOR

DEC 3 0 1998

ENVIRONMENTAL QUALITY COUNCIL

II. POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

1. Social Structures and Mores
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 and 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

Major	Moderate	Minor	None	Unknown	Comments Attached
				X	
				X	
				X	
				X	
		X			
			X		
			X		
		X			
			X		
				X	

Cumulative and Secondary Impacts

MINOR

PART I. GENERAL DESCRIPTION AND INFORMATION

(Please type or print all information)

1. Name of proposed development BROWN'S ESTATES, LOTS 1, 2, 3 & 4

2. Location (City and/or County) LAKE COUNTY

Legal description: 1/4 SW 1/4 of Section 7 Township 16N Range 19W

3. Is concurrent review by the local governing body and DEQ requested?
Yes X No _____

4. Type of water supply system: Individual or shared well X Individual cistern _____
Individual surface water supply or spring _____ Multiple-family water supply system (3-14 connections and fewer than 25 people) _____
Service connection to multiple-family system _____
Service connection to public system _____ Extension of public main _____ New public system _____

E.O. 99-1876

5. Type of wastewater treatment system: Individual or shared on-site septic system X
Multiple-family on-site system (3-14 connections and fewer than 25 people) _____ Service connection to multiple-family system _____
Service connection to public system _____
Extension of public main _____ New public system _____

6. Name of solid waste (garbage) disposal site LAKE CO. LANDFILL

7. Is information included which substantiates that there will be no degradation of state waters or that degradation will be nonsignificant? YES

If not, have you enclosed an Application to Degrade? N/A

8. Descriptive Data:

- a. Number of lots or rental spaces 4
- b. Total acreage in lots being reviewed 11.02
- c. Total acreage in streets or roads 0
- d. Total acreage in parks, open space, and/or common facilities 0
- e. TOTAL gross acreage of subdivision 11.02
- f. Minimum size of lots or spaces 2.74 AC.
- g. Maximum size of lots or spaces 2.77 AC.

RECEIVED
DEC 21 1998
MT. SEPT. OF ENV. & NAT. RES.
PERMITTING & COMPLIANCE DIV.

9. Indicate the proposed use(s) and number of lots or spaces in each:

- 4 Residential, single family
- _____ Residential, multiple family
- _____ Types of multiple family structures and numbers of each (e.g. duplex)
- _____ Planned Unit Development (No. of units _____)
- _____ Condominium (No. of units _____)
- _____ Mobile home park
- _____ Recreational vehicle park
- _____ Commercial or industrial
- _____ Other (please describe) _____

PAID
640.00 19412
12-21-98 ER

I. POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

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 Resources of Water, Air and Energy
9. Historical and Archaeological Sites

	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 Resources of Water, Air and Energy			X			
9. Historical and Archaeological Sites					X	

RECEIVED

Cumulative and Secondary Impacts

Minor

DEC 30 1998

II. POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

1. Social Structures and Mores
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 and 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

	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 Governmental Services			X			
10. Industrial and Commercial Activity				X		
11. Locally Adopted Environmental Plans and Goals					X	

Cumulative and Secondary Impacts

Minor

860229
\$ 520.00
RECEIVED

SEP 24 1998

Montana Department of Environmental Quality/
Local Government Joint Application Form

ENVIRONMENTAL HEALTH

No. _____

PART I. GENERAL DESCRIPTION AND INFORMATION

(Please type or print all information)

1. Name of proposed development LOWE TRACTS LOT 13B-1
2. Location (City and/or County) LEWIS & CLARK
Legal description: 1/4 NE 1/4 of Section 12 Township 10N Range 3W
3. Is concurrent review by the local governing body and DEQ requested?
Yes No EQ=99-1891
4. Type of water supply system: Individual or shared well Individual cistern _____
Individual surface water supply or spring _____ Multiple-family water supply system (3-14 connections and fewer than 25 people) _____
Service connection to multiple-family system _____
Service connection to public system _____ Extension of public main _____ New public system _____
5. Type of wastewater treatment system: Individual or shared on-site septic system
Multiple-family on-site system (3-14 connections and fewer than 25 people) _____ Service connection to multiple-family system _____
Service connection to public system _____
Extension of public main _____ New public system _____
6. Name of solid waste (garbage) disposal site LEWIS & CLARK COUNTY LANDFILL
7. Is information included which substantiates that there will be no degradation of state waters or that degradation will be nonsignificant? Yes

If not, have you enclosed an Application to Degrade? _____ RECEIVED

8. Descriptive Data:
 - a. Number of lots or rental spaces 4
 - b. Total acreage in lots being reviewed 6.513
 - c. Total acreage in streets or roads .4
 - d. Total acreage in parks, open space, and/or common facilities NA
 - e. TOTAL gross acreage of subdivision 6.913
 - f. Minimum size of lots or spaces 1.717
 - g. Maximum size of lots or spaces 1.730

9. Indicate the proposed use(s) and number of lots or spaces in each:

- 4 Residential, single family
- _____ Residential, multiple family
- _____ Types of multiple family structures and numbers of each (e.g. duplex)
- _____ Planned Unit Development (No. of units _____)
- _____ Condominium (No. of units _____)
- _____ Mobile home park _____ Recreational vehicle park
- _____ Commercial or industrial
- _____ Other (please describe) _____

RECEIVED
\$ 520.00 520
12/23/98 80

I. POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

Major Moderate Minor None Unknown Comments Attached

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 Resources of Water, Air and Energy
9. Historical and Archaeological Sites

	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 Resources of Water, Air and Energy			X			
9. Historical and Archaeological Sites						

RECEIVED

Cumulative and Secondary Impacts

MINOR

DEC 30 1990

II. POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

ENVIRONMENTAL QUALITY COUNCIL

Major Moderate Minor None Unknown Comments Attached

1. Social Structures and Mores
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 and 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

	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 Governmental Services			X			
10. Industrial and Commercial Activity				X		
11. Locally Adopted Environmental Plans and Goals					X	

Cumulative and Secondary Impacts

MINOR

Montana Department of Environmental Quality/
Local Government Joint Application Form

No. _____

PART I. GENERAL DESCRIPTION AND INFORMATION

(Please type or print all information)

1. Name of proposed development King Family Transfer
2. Location (City and/or County) St. Ignatius, LAKE
Legal description: NW1/4 NW1/4 of Section 13 Township 18 Range 20
3. Is concurrent review by the local governing body and DEQ requested?
Yes _____ No EQ# 49-1200
4. Type of water supply system: Individual or shared well Individual cistern _____
Individual surface water supply or spring _____ Multiple-family water supply system (3-14 connections and fewer than 25 people) _____
Service connection to multiple-family system _____
Service connection to public system _____ Extension of public main _____ New public system _____
5. Type of wastewater treatment system: Individual or shared on-site septic system (Lot 1)
Multiple-family on-site system (3-14 connections and fewer than 25 people) _____ Service connection to multiple-family system _____
Service connection to public system (Lot 2)
Extension of public main _____ New public system _____
6. Name of solid waste (garbage) disposal site LAKE County
7. Is information included which substantiates that there will be no degradation of state waters or that degradation will be nonsignificant? N/A (No New OR increased)

If not, have you enclosed an Application to Degrade? _____

8. Descriptive Data:
 - a. Number of lots or rental spaces 2
 - b. Total acreage in lots being reviewed 1.46
 - c. Total acreage in streets or roads -0-
 - d. Total acreage in parks, open space, and/or common facilities -0-
 - e. TOTAL gross acreage of subdivision 1.46
 - f. Minimum size of lots or spaces .58
 - g. Maximum size of lots or spaces .88

9. Indicate the ^{Existing} proposed use(s) and number of lots or spaces in each:
 - Residential, single family
 - _____ Residential, multiple family
 - _____ Types of multiple family structures and numbers of each (e.g. duplex)
 - _____ Planned Unit Development (No. of units _____)
 - _____ Condominium (No. of units _____)
 - _____ Mobile home park _____ Recreational vehicle park
 - _____ Commercial or industrial
 - _____ Other (please describe) _____

