

APPENDIX L

COMPLIANCE INSPECTION REPORT



Montana Department of
ENVIRONMENTAL QUALITY

Brian Schweitzer, Governor

P.O. Box 200901 • Helena, MT 59620-0901 • (406) 444-2544 • www.deq.mt.gov

August 2, 2007

Dick Huttinga
Huttinga Contracting, Inc.
1990 Little Bear Road
Gallatin Gateway, MT 59730

RE: Compliance Inspection

Dear Mr. Huttinga:

On July 26, 2007, the Montana Department of Environmental Quality (Department) completed an inspection of the Gravel Crushing Plant covered by Montana Air Quality Permit (MAQP) #3233-00. The facility appeared to be out of compliance with the air quality requirements at the time of this report. The operating generator was 512 kilowatts, while the MAQP allows for a 455 kilowatt generator.

I would like to thank Dave Huttinga for answering my questions during the inspection. I would also like to remind you that as the conditions become dryer, please ensure that you have an adequate water supply on site and that the water is applied to suppress dust from the piles, haul roads, and the operating equipment.

If you need to contact this office in the future or if you have questions, please call me at (406) 444-4114.

Sincerely,

Robert Gallagher
Environmental Engineering Specialist
Air Resources Management Bureau
E-mail: rgallagher@mt.gov

called @ 9:45 - 8-6-07

Enclosure

**MONTANA DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR RESOURCES MANAGEMENT BUREAU**

AIR COMPLIANCE INSPECTION REPORT

Facility Name: Huttinga Contracting, Inc.

Report Date: August 2, 2007

Location: Section 25, Township 3 South, Range 4 East near Gallatin Gateway, MT

Mailing Address: 1990 Little Bear Road Gallatin Gateway, MT 59730

Phone #: (406) 763-4872 or (406) 763-5240

Source Contact(s): Dick and Kathryn Huttinga- Company Contacts
Dave Huttinga- Pit Foreman

Inspector: Robert Gallagher

Inspection Date: 07/26/07

Plant Description: Gravel Crusher

SIC Code: 1442 Construction Sand & Gravel

NAICS Code: 212321 Construction Sand & Gravel

AIRS ID #: 777-3233

Area Attainment Status: Unclassified

Applicable Air Programs: SIP (0), NSPS (9)

CDS Class: B (Minor Source)

Weather Conditions:

Wind Direction & Speed: from East Northeast at 15 miles per hour (mph)

Temperature: 83° F

Sky Conditions: Mostly Cloudy

AFS Action Form Submitted? Y

Process Description:

Huttinga Contracting, Inc. (Huttinga) operates a portable crushing/screening facility consisting of a 1994 Cedar Rapids portable jaw crusher (maximum capacity 300 tons per hour (TPH)), a 1997 El Jay 3-deck screen (maximum capacity 300 TPH), a 1994 Cedar Rapids 45-inch standard head cone crusher (maximum capacity 300 TPH), a 1997 Caterpillar diesel generator (455 kilowatt), and associated equipment. Huttinga uses this crushing/screening plant and associated equipment to crush, screen, and sort sand and gravel materials for use in various construction operations. For a typical operational setup, materials are loaded into a hopper that feeds a conveyor to the portable jaw. The crushed material is then sent to the 3-deck screen. Proper-sized materials are conveyed to the stockpile. Materials not passing the screen are conveyed to the cone crusher, recycled again through the screen, and eventually conveyed to the stockpile.

Inspection Information:

On July 26, 2007, the Department conducted an onsite inspection of the facility. I arrived at the facility at approximately 2:00 p.m. The sky was mostly cloudy, and winds were approximately 15 mph from the East Northeast. The ambient temperature during the inspection was approximately 83° F.

Upon arriving at the facility, I met with Doug Huttinga, the loader operator. Doug informed me that I should talk with Dave Huttinga, who was at the office repairing some equipment. I met with Dave and he led me through the pit to the crushing/screening facility. The opacities for fugitive emissions from the different emitting sources were below the limits are in Montana Air Quality Permit (MAQP) #3233-00. The facility was powered with a 512 kilowatt (kW) generator. However, MAQP #3233-00 limits the generator size to 455 kW.

Because of the dry and windy conditions, I expected to see more fugitive emissions. However, the haul roads were well maintained with particulate emissions suppressed and the spraybars on the crushing/screening facility were keeping fugitive particulate emissions very low. The inspection was completed at approximately 2:25 p.m.

Findings and Recommendations:

Huttinga appeared to be out of compliance with the limitations and conditions of MAQP #3233-00 at the time of the field inspection. Huttinga was operating a 512 kW generator when the MAQP permits only a 455 kW generator.

In order to return to compliance, Huttinga can submit an application for a permit modification for the 512 kW generator or must use a 455 kW generator as permitted in MAQP #3233-00. Huttinga needs to respond to the Department with their plan to return to compliance by no later than August 20, 2007. The Department will assess the violation and the appropriate enforcement response to the violation.

COMPLIANCE INSPECTION POINT SOURCE DATA

Point Source: NSPS 3-deck Screen

Permit #: 3233

Source Start-up Date: NA

Process Rate - Actual: Unknown

Capacity: 300 tph

Control Equipment Type: Water Spraybars

Performance Parameter: Opacity <10%

CEMS: NA

POLLUTANT or PARAMETER CHECKED	APPLICABLE REGULATION	ACTUAL EMISSIONS	ALLOWABLE EMISSIONS	COMPLIANCE STATUS	LAST SOURCE TEST DATE
Opacity	ARM 17.8.340	<5%	10%	IN	NA



3-Deck Screen from the Crushing/Screening facility operated by Huttinga.

COMPLIANCE INSPECTION POINT SOURCE DATA

Point Source: Diesel Generator

Permit #: 3233

Source Start-up Date: NA

Process Rate - Actual: 512 kW

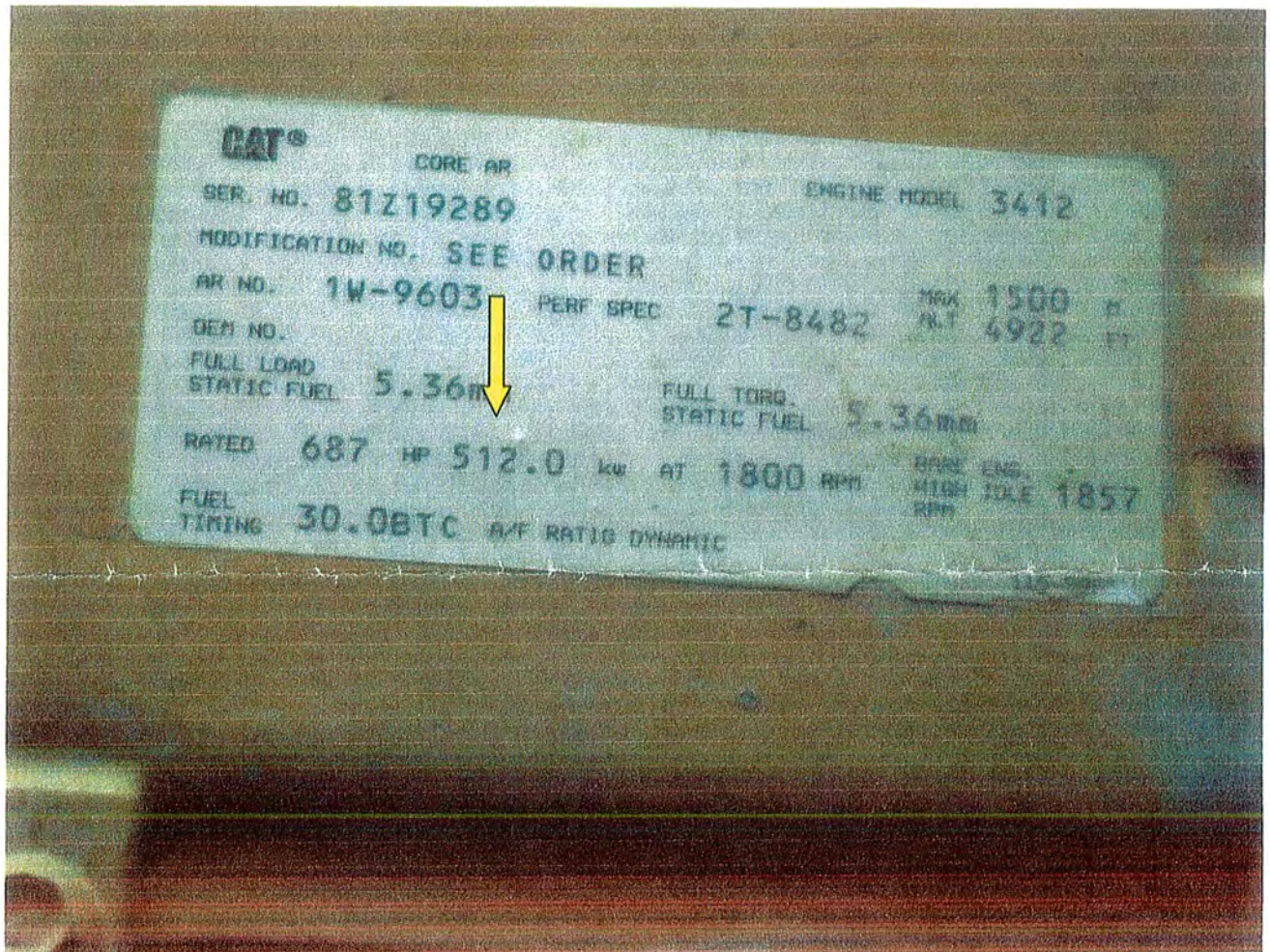
Capacity: 455 kW

Control Equipment Type: NA

Performance Parameter: Size of generator

CEMS: NA

POLLUTANT or PARAMETER CHECKED	APPLICABLE REGULATION	ACTUAL SIZE	ALLOWABLE SIZE	COMPLIANCE STATUS	LAST SOURCE TEST DATE
Size in kW	ARM 17.8.749	512 kW	455 kW	OUT	NA



Faceplate from the Caterpillar Generator (emphasis added to generator size).



Montana Department of
ENVIRONMENTAL QUALITY



Department of
ENVIRONMENTAL QUALITY

P.O. Box 200901
Helena, MT 59620-0901

Phone (406) 444-4114
Fax (406) 444-1499
e-mail: rgallagher@mt.gov

Brian Schweitzer, Governor

Helena, MT 59620-0901 • (406) 444-2544 • www.deq.mt.gov

August 6, 2008

Dick Huttinga
Huttinga Contracting, Inc.
1990 Little Bear Road
Gallatin Gateway, MT 59730

Warning Letter #WLRAG0716

Dear Mr. Huttinga:

The Montana Department of Environmental Quality (Department) is issuing Warning Letter #WLRAG0716 to Huttinga Contracting Inc. (Huttinga) for the following violation of the Clean Air Act of Montana by Huttinga for the crushing/screening facility with Montana Air Quality Permit (MAQP) #3233-00.

Construction without Air Quality Permit. Under Administrative Rules of Montana (ARM) 17.8.743(1), a person may not construct, install, alter, or use any air contaminant source or stack associated with any source without first obtaining a permit from the Department. On February 27, 2003, the Department issued MAQP #3233-00 to Huttinga for a crushing/screening facility. The Permit Analysis and Emission Inventory for MAQP #3233-00 were based on a 455 kW Caterpillar generator from the air quality permit application. On July 26, 2007, the Department conducted an inspection of the Huttinga crushing/screening facility and determined that Huttinga had been operating a 512 kW generator under MAQP #3233-00. Huttinga installed a 512 kilowatt (kW) generator without first obtaining a permit from the Department.

Sections 75-2-401, 412 and 413, Montana Code Annotated (MCA), describe the formal enforcement actions that may be taken when the Department believes there has been a violation of the Clean Air Act of Montana, a rule adopted under the act, or an order or permit issued under the act. This warning letter is being issued based upon the Department's initial determination that a violation has occurred. The Department does not intend to initiate a formal enforcement action for this violation, if the appropriate measures are taken to return to compliance. Huttinga needs to submit an application for a modification of MAQP #3233 to include a 512 kW generator or Huttinga must return to usage of a 455 kW generator as specified in MAQP #3233-00. The violation documented in this letter may be used to establish a history or pattern of violations. Please submit a written response within 15 days after the receipt of this letter.

If you have any questions, please contact me at (406) 444-4114.

Sincerely,

Robert Gallagher
Environmental Engineering Specialist
Air Resources Management Bureau
E-mail: rgallagher@mt.gov

HUTTINGA CONTRACTING, INC.

1990 Little Bear Road Gallatin Gateway, MT 59730

Phone: 763-5240

Fax: 763-5051

8-10-07

Montana Department of Environmental Quality
Attention: Robert Gallagher
P.O. Box 200901
Helena, MT 59620-0901

Dear Mr. Gallagher:

I am writing in response to Warning Letter #WLRAG0716.

When I applied for MAQP #3233-00 in December of 2002, I took the KW rating off of the left side of my generator. There is a 5" x 8" tag clearly showing the rating at 455KW. Enclosed is a picture of the tag.

The tag you showed in your picture is located on the right side of the engine. It is only 2" x 4" and the KW rating is printed so small, I could not read it on the tag until you took a picture of it and enlarged it.

I do not feel I am in violation of my permit.

Sincerely,

Dick Huttinga, President
Huttinga Contracting Inc.

GENERATOR SET

NAME NO. 242

RATING

SEA N/A SEA SW 0.2 COS ϕ 0.9 HERT

☒ X PRIME ☐ STAND BY

GENERATOR DATA

3 PHASE ☒ 0 ☐ WYE ☐ DELTA

CONNECTION ☒ X ☐ SERIES ☐ PARALLEL

GENERATOR 250 VOLTS 500 AMP

CRISTATION 20 VOLTS 7.4 AMP

SEA PLANT 1500 100000

RECORDING INSTRUMENTS: 1000 100000

SEA 100000 100000

SEA 100000 100000

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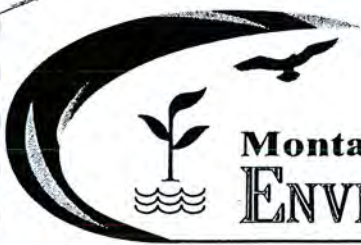
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**Montana Department of
ENVIRONMENTAL QUALITY**

Brian Schweitzer, Governor

P.O. Box 200901 • Helena, MT 59620-0901 • (406) 444-2544 • www.deq.mt.gov

September 19, 2007

Dick Huttinga
Huttinga Contracting, Inc.
1990 Little Bear Road
Gallatin Gateway, MT 59730

RE: Response to Warning Letter #WLRAG0716

Dear Mr. Huttinga:

The Montana Department of Environmental Quality (Department) received your response letter to Warning Letter #WLRAG0716 and the enclosed faceplate photograph on August 13, 2007. According to your letter there are two faceplates of which only one was photographed during the Department inspection of July 26, 2007. Your enclosed faceplate photograph shows the generator size as 455 kilowatts (kW), while the Department's photograph from the inspection shows the size as 512 kW.

The Department understands that the generator set (genset) has two separate faceplates with conflicting information regarding size in kW. A Caterpillar genset salesperson explained the reason for two face plates. One faceplate is for the generator based upon the kilowatts that the generator can produce to power equipment (i.e. crushers and screens). The other faceplate is the size of the diesel engine that powers the generator. The generator **does not** emit air pollutants. The engine that powers the generator **does** emit air pollutants. The air quality permit with its conditions and limitations should be based on the air pollutant emitting units, in this case, the diesel engine, not the diesel generator.

According to the Permit Analysis and the Emission Inventory in Montana Air Quality Permit (MAQP) #3233-00, Huttinga Contracting, Inc. (Huttinga) is permitted to operate a 1997 Caterpillar diesel generator (455 kW). It appears that the Department based a portion of the emission inventory of MAQP #3233-00 on the generator size and not the diesel engine size. MAQP #3233-00 will need to be modified to include a 512 kW (687 horsepower) diesel engine. The Department has calculated the potential emissions from the diesel engine and determined that the potential emissions are below the Title V threshold of 100 tons per year (tpy). To prevent future confusion and to correctly identify the genset emitting unit in MAQP #3233, Huttinga should contact the Department to discuss the process for changing the permit.

If you have any questions, please contact me at (406) 444-4114.

Sincerely,

Robert Gallagher
Environmental Engineering Specialist
Air Resources Management Bureau
E-mail: rgallagher@mt.gov



**Montana Department of
ENVIRONMENTAL QUALITY**

Brian Schweitzer, Governor

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October 12, 2007

Dick Huttinga
Huttinga Contracting, Inc.
1990 Little Bear Road
Gallatin Gateway, MT 59730

Dear Mr. Huttinga,

Enclosed are the application materials for an air quality permit modification that you requested. Please let me know if you have questions. I can be reached at dskibicki@mt.gov or (406) 444-1472. Again, I apologize for the delay.

Sincerely,

Debbie Skibicki
Lead Environmental Engineer
Air Resources Management Bureau

Enclosure

HUTTINGA CONTRACTING, INC.

1990 Little Bear Road Gallatin Gateway, MT 59730

Phone: 763-5240

Fax: 763-5051

November 14, 2007

Debbie Skibicki
Montana Depart. Of Environmental Quality
P.O. Box 200901
Helena, MT 59620

Dear Ms. Skibicki,

This application is to modify Montana Air Quality Permit #3233-00 according to the attached letter from Robert Gallagher.

This generator set plus all our other crushing equipment is the same as we have always had.

Sincerely,

Dick Huttinga, President
Huttinga Contracting Inc.



Department of
Environmental Quality

Air Resources Management Bureau • P.O. Box 200901 • Helena MT 59620-0901 • (406) 444-3490

MONTANA AIR QUALITY PERMIT APPLICATION FOR PORTABLE SOURCES

Montana Department of Environmental Quality
Air Resources Management Bureau
Permitting Section Supervisor
1520 E. Sixth Avenue
P.O. Box 200901
Helena, MT 59620-0901
Telephone: (406) 444-3490 FAX (406) 444-1499

For State of Montana Use Only	
Permit Application Number	_____
Application Fee Paid with Application?	_____
<input type="checkbox"/> Yes <input type="checkbox"/> No	Amount Paid _____
AREV Facility # _____	FP ID # _____

This application, any associated fees, and the affidavit of publication of the attached public notice must be mailed to the above address. Instructions for filling out this form are contained in the Instructions and Suggested Format document available from the Department of Environmental Quality (Department). Please contact the Department Air Resources Management Bureau if you have any questions regarding this permit application

§ 1.0 GENERAL FACILITY INFORMATION AND SITE DESCRIPTION

Permit Type (check one): ☐ New Facility ☐ Modification to Existing Permit

If applying for a new facility or an alteration to an existing permit, a permit application fee and an affidavit of publication must be submitted to the department at the above address.

Affidavit of Publication of Public Notice ☐ Attached ☐ Forthcoming
Permit Application Fee ☐ Attached ☐ Forthcoming

Facility Name & Address (As registered with the Montana Secretary of State)		
Huttinga Contracting Inc		
1990 Little Bear Rd		
Gall Gtwy	MT	59730
City	State	Zip

FACILITY LOCATION		
1990 Little Bear Rd		
Gall Gtwy		
City	State	Zip
NE 1/4 SE 1/4 25	3S	4E
Section (to nearest 1/4)	Township	Range
Gallatin		
County		

Narrative Description of Site

(including nearby roads, towns, landmarks, etc.)
Owner's Name Richard Huttinga Telephone 406-763-5240
Facility Manager's Name _____ Telephone _____
Contact Person Dick Huttinga Telephone _____
person to contact regarding this application

Total Property Area (acres) _____ Current Number of Employees _____

Will the facility be operating in a PM-10 nonattainment area or within 10 kilometers of a nonattainment area?
☐ No or ☐ Yes

Name of DEQ Contact Debbie Skibicki
If you check yes, list which nonattainment area(s) the facility will be operating in or near.
If you have been dealing with Department of Environmental Quality personnel

§ 1.1 Process Flow Diagram (Attach a box diagram of the equipment's set-up and describe the process.)

§ 1.2 Project and Site Informational Request (Complete attached informational request.)

The estimated time for the Department to process and act on a correctly completed application form is 60 days (i.e. 60 days from receipt of a correctly completed application to issuance of a final permit). The Department has 30 days to notify an applicant that their application is incomplete. The Department shall make a preliminary determination within 40 days after receiving a complete and filed application. A Department decision must be made within 60 days after receiving a complete application. The Department decision is not final unless 15 days have elapsed from the date of the department decision and there is no request for a hearing before the Board of Environmental Review. (Different time frames apply if an Environmental Impact Statement is required or if the Major Facility Siting Act is applicable. Provisions also exist in rule for extending the time for issuing a department decision). Please refer to ARM 17.8.706(2), ARM 17.8.720 and 75-2-211 MCA.

Montana Air Quality Permit Application

Last Updated: March 17, 2004 C:\DOCU\ME-1\cb5689\LOCALS-1\Temp\FrontPageTemp\AIR_PermAppPort1.doc

§ 2.0 PROCESS EQUIPMENT LISTING

Attach a list of all existing and proposed process equipment. For each piece of process equipment that is identified in this section, a separate Section 4.0 must be completed.

[illegible]

§ 3.0 EMISSION INVENTORY

The Department can complete this section for the applicant.

☐ Please check this box if the applicant would like the department to complete this section.

Plant/Project-Wide Emission Inventory

Provide a complete emission inventory listing emission levels for all regulated air pollutants from existing and proposed equipment. Clearly show how the emissions were calculated.

Emissions Unit Identification: _____

Potential Emissions Summary: *(Include emission rates in units consistent with any applicable standards or test methods. Attach calculations.*

Regulated Air Pollutant	Emission Rate(s) (Include any additional applicable units or averaging periods)			
	(Lb/Hour)	(Tons/Year)	(Alternate averaging periods)	
PM ₁₀				
SO ₂				
Pb				
NO _x				
VOC				
CO				
Other (specify):				
Other (specify):				
Other (specify):				
Other (specify):				
Other (specify):				
Other (specify):				

§ 4.0 PROCESS EQUIPMENT/PROCESS INFORMATION

A separate Section 4.0 must be completed for each piece of process equipment listed in Section 2.0.

§ 4.1 Process Equipment Identification: _____

§ 4.2 Narrative Process Equipment/Process Description (attach additional sheets as necessary):

§ 4.3 Process Equipment Description:

Process Equipment Identification:

Make Caterpillar
Type Generator Set
Serial Number 04JK 00275
Fuel Type diesel #2

Model DT3412
Size 512
Year of Manufacture 1997

Emitting Unit Location: [Note: UTM coordinates are available on any USGS map]

Universal Transverse Mercator (UTM) Zone _____ Elevation (feet) _____
UTM Easting Coordinate (nearest 0.01 km) _____
UTM Northing Coordinate (nearest 0.01 km) _____

Stack Information: (if applicable)

Height (feet) _____ Diameter (feet) _____
Exit Gas Temperature (°F) _____ Exit Gas Flow Rate (ACFM) _____
Exit Gas Velocity (feet/second) _____

Process Information: (Indicate Units)

Type of Material Processed _____
Average Process Rate (tons/hr, gal/hr, etc.) _____
Maximum Rated Design Process Rate (ton/hr, gal/hr, etc.) _____

Percent Annual Thruput: (Percent of the applicant's work done in each time frame. The percentages entered for the four time frames must add up to 100%.)

December - February _____ June - August _____
March - May _____ September - November _____

Operating Schedule:

Hours/Day _____ Hours/Year _____
Days/Week _____ Weeks/Year _____

§ AIR POLLUTION CONTROL EQUIPMENT INFORMATION

A separate Section 5.0 must be completed for each piece of process equipment listed in Section 2.0. If a piece of equipment does not have pollution control equipment then the applicant should indicate that no control equipment is used.

§ 5.1 Process Equipment Identification: _____

§ 5.2 Primary Pollution Control Equipment or Description of Procedure: _____

§ 5.3 Proposed Operational Limitations: *(if any)* _____

§ 5.4 Primary Air Pollution Control Equipment Identification: *(if applicable)*

Make _____	Model _____
Type _____	Size _____
Serial Number _____	Year of Manufacture _____
Fuel Type _____	
Estimated Control Efficiency _____	
Estimated Cost of Pollution Control Equipment _____	

§ 5.5 Emissions Control Analysis:

Provide a Best Available Control Technology (BACT) or Lowest Achievable Emission Rate (LAER) Analysis as applicable. Address each regulated air pollutant.

§ 5.6 Stack Height and Dispersion Technique Analysis: *(completed if modeling is required)*

§ 5.7 Ambient Air Quality Impact Analysis:

The applicant shall publish the following notification no earlier than 10 days prior to the date the applicant's air quality preconstruction permit application will be submitted to the Department, and no later than 10 days following the date of submittal. The notice shall be published **once** in the legal notice section of a newspaper of general circulation in the area affected. Any fees associated with publication of this notice are the responsibility of the permit applicant. Questions regarding an appropriate newspaper should be addressed to the Department. An Affidavit of Publication of Public Notice must be submitted with the application or the air quality preconstruction permit application will be deemed incomplete. This notice is required by the air quality rules. **The notice to be published consists of all text within the box below.**

Montana Air Quality Permit Application

§ 7.0 CERTIFICATION OF ACCURACY AND COMPLETENESS

I hereby certify that, to the best of my knowledge, information and belief, formed after reasonable inquiry, the information provided in this permit application is true, accurate and complete.

(Name, title and signature of corporate officer, responsible official, authorized representative, or designated representative under Title IV 1990 FCAA.)

Name _____
(Print of Type)

Title _____ Telephone _____

Signature _____
(Original Signature Required) Date _____



Project and Site Informational Request
Montana Department of Environmental Quality
Air Resources Management Bureau
P.O. Box 200901, Helena, MT 59620-0901
Telephone: (406) 444-3490 FAX: (406) 444-1499

Instructions: Please answer the questions listed below in reference to the current project proposed in the air quality permit application. Please attach additional pages if necessary. The Department will use the information to facilitate completion of an environmental analysis required under the Montana Environmental Policy Act (MEPA).

- Facility Name:** _____
1. Please summarize fish or wildlife habitat, animal or bird species, or any known migration or movement of animals at the project site.

 2. Please describe any proposed discharges into surface water or onto the site; any changes in drainage patterns; any use of surface water and groundwater; and any potential impacts to wetlands.

 3. Please summarize the soils and geology of the project site. Include a description of any disruption, displacement, erosion, compaction, moisture loss, or over-covering of soil that would reduce productivity or fertility at the site. The description should include the amount of land disturbed in acres. Please describe any destruction or modification of any unique geologic or physical feature.

 4. Please summarize the plant species (including types of trees, shrubs, grasses, crops, and aquatic plants) at the site. The applicant should include a description of any known unique, rare, threatened, or endangered plant species at the site. In addition, please describe the land use at the project site.

 5. Please summarize the aesthetic character of the project site and of the surrounding community or neighborhood. Include a description of recreational opportunities. Also include a description of noise levels created by the proposed project.

6. Please describe any unique, rare, threatened, or endangered animal species that are at or near the site.

7. Please describe any upgrading of utilities that may result from power demands from this project.

8. Please describe any known historical, archaeological, or paleontological sites at the project site.

9. Please summarize other industrial activities at or near the site, or any other permits that you hold which are, or may be, in effect at this site.

10. Please indicate the number of employees currently employed and the increase or decrease in the number of people employed at the site as a result of the proposed project.

11. Please describe any unique cultures in the area that may be affected by the proposed application.

12. Please summarize any access to recreational or wilderness activities near the project site.

13. Please describe any state, county, city, United States Forest Service (USFS), Bureau of Land Management (BLM), or tribal zoning or management plans and goals that might affect the site.

14. Please indicate who owns the land at the proposed project site.

15. Please indicate the approximate distance to the nearest home or structure not associated with the project site.

MONTANA DEPARTMENT OF ENVIRONMENTAL QUALITY
PERMITTING & COMPLIANCE DIVISION
INDUSTRIAL & ENERGY MINERALS BUREAU
PO BOX 200901
HELENA MT 59620-0901
PHONE: 406 444-4970 FAX: 444-1923

RECEIVED

JUN 25 2003

D.E.Q.

Operator: _____

Permit Number: _____
(Provided By The Department)

VERIFICATION OF NOXIOUS WEED CONTROL PLAN

(To be submitted as part of an application for a Mined Land Reclamation Permit)

Richard Huttenga (operator) has submitted and received approval for a plan to control noxious weeds on land to be disturbed by and permitted for, Opencut Mining operations in the NE $\frac{1}{4}$ SE $\frac{1}{4}$, Section 25, Township 3S N/S, Range 4E E/W, Hallatin County. [See exception below]

Subject land is owned by: Richard and Kathryn Huttenga
Name

Dennis R Henry Coordinator, Gallatin County Weed District
Name

Dennis R Henry Signature Date 6/23/03

THIS SECTION TO BE COMPLETED ONLY IF APPLICANT IS UNABLE TO SECURE AN APPROVED NOXIOUS WEED CONTROL PLAN

Applicant affirms that he/she has attempted to secure a noxious weed control plan as indicated above, but that for unspecified reasons, the respective weed district was unavailable for consultation and direction. Applicant further affirms respective weed district was notified but was unable to approve or provide a noxious weed control plan within five (5) working days of notification.

Enclose documentation such as certified mail receipt with copy of letter and/or request to meet, or sworn statement that a weed district representative verbally declined to meet.

Applicant's Signature

I hereby swear that I did verbally contact the _____ weed district, on _____ (date) but said district was unable to provide or approve a Noxious Weed Control Plan within five (5) working days of the aforementioned date.

Notary

Signature

This verification does not relieve the operator from controlling noxious weeds on any lands permitted under the Opencut Mining Act



RECEIVED
MAY 01 2003

OPEN CUT MINE NOXIOUS WEED MANAGEMENT AND REVEGETATION PLAN

Projected due date for application _____

Date Plan received MAY 01 2003

Before construction/disturbance begins, please complete and submit an Open Cut Mine Noxious Weed Management and Revegetation Plan to the Gallatin County Weed Control Office for review by the Board. This plan may require revision to meet the requirements of the Noxious Weed Management Plan of the District, and the Montana County Noxious Weed Control Act. Upon approval by the Board, this plan must be signed by the Chairman of the Board or appointed Representative in cooperation with the person, agency, business, landowner and or individuals responsible for the disturbance and constitutes a cooperative agreement between the Board and such person, agency, business and/or government unit.

A) GENERAL INFORMATION

1. Name of Cooperator(s)

(a) Open Cut Mine Company Name Huttinga Gravel Pit
1695
1990 Little Bear Rd Gall Gtwy MT 59730 763-4872
(Address - City - State - Zip) (Telephone)
763-5240

(b) Landowners Name Richard & Kathryn Huttinga
1990 Little Bear Rd Gall Gtwy 763-4872
(Address - City - State - Zip) (Telephone)

2. Geographic Location to be Covered by this Plan:

Legal Description: NE 1/4, SE 1/4, Sec. 25, T. 3S N/S, R. 4E E/W

If applicable include the name of the Open Cut Mine _____

Projected Start Up Date 1996 Projected Date for Closure Oct 1, 2010

3. Land Use (Please check the appropriate box(s))

(a) Previous or Historical Land Use

Agriculture ☒ Residential ☐ Commercial ☐ Pasture non-crop ☐ Other ☐

Please explain hay field

(b) Future Land Use

Agriculture ☐ Residential ☐ Commercial ☐ Pasture non-crop ☐ Other ☒

Please explain mined area will be a pond

4. Is a Map of the Area or a Copy of the Open Cut Mine Plat Attached? Yes ☒ No ☐
5. Has the Cooperator been informed of the District's Noxious Weed Management Plan and Revegetation Requirements for Disturbed Areas? Yes ☒ No ☐
6. Has the Cooperator been informed of the Noxious Weed Management Plan of the District? Yes ☒ No ☐
7. Has the Cooperator been informed of the relevant sections of the Montana County Noxious Weed Control Act? Yes ☒ No ☐
8. Has the Cooperator submitted a Weed Location Map and Inventory? Yes ☐ No ☒
9. Has the site been inspected jointly with Weed Supervisor and Cooperator? Yes ☐ No ☒
10. Has the cooperator attached the Montana DEQ Plan of Operation? Yes ☒ No ☐

B) NOXIOUS WEED MANAGEMENT PLAN

- 1) Are noxious weeds present on the property? Yes ☐ No ☒ If yes, list which species and the approximate size of infestation(s) Excellent rating -

Inspected property 6/23/03. Very few weeds on site. Isolated plants of Canada thistle and Roundstave on SW corner of original p.t.b. Recommend p.t.b. for certification weed free status.

(Gallatin County noxious weeds are listed in section III of Noxious Weed Management & Revegetation Requirements)

2. Briefly explain the noxious weed control method(s) to be used on noxious weeds already existing on the property or that may arise during construction/development/disturbance of the property. **Note:** If noxious weeds already exist on the property, please outline these infestations on a map of the area or the subdivision plat

We will continue to spray and hand pull weeds as needed

3. Please complete the appropriate section(s) corresponding to the noxious weed management methods mentioned above.

(a) Chemical Control:

* Chemical Name _____ Rate _____

* Chemical Name _____ Rate _____

* Timing and method of treatment(s): _____

* Weed control work done by - Self ☒ or Contracted ☐

(b) Cultural/Mechanical Control:

* Methods of weed control _____

* Timing of control method(s): _____

* Weed control work done by - Self ☐ or Contracted ☐ Name of Contractor _____

(c) Biological Control:

* Biological control agent(s) _____

Timing of the release(s) of the Bio-control agent(s): _____

Weed control method(s) used to control weed spread while insects establish

* Weed control work done by - Self ☐ or Contracted ☐ Name of Contractor _____

C) REVEGETATION PLAN FOR DISTURBED AREAS

1. Are there land(s) already disturbed or that will be disturbed on the property?

Yes ☒ No ☐

If yes, explain We have been mining
this area since 1996

2. If the answer was (YES) to question 1 above, what method(s) will be used to accomplish revegetation of the disturbed areas (seeding, planting, sod, etc.)

seeding

3. If applicable list the type and amount of seed/sod to be used for revegetation:

Revegetation to be done by – Self ☒ or Contracted ☐ Name of Contractor _____

Type Fairfield pasture mix Rate 8-10 #/acre

Type _____ Rate _____

Type _____ Rate _____

4. If applicable list the type and amount of fertilizer to be used:

Type _____ Rate _____

Type _____ Rate _____

5. Timing of revegetation practices:

Approximate cultivation date(s) May 1

Approximate seeding/sod date(s) May 1 or after Oct 1

Approximate fertilizer date(s) _____

NOTE: For revegetation recommendations contact the Natural Resource Conservation Service.

D) APPROVAL OF NOXIOUS WEED MANAGEMENT AND REVEGETATION PLAN

APPROVED ☒

APPROVED WITH RECOMMENDATIONS ☐
AND/OR CONDITIONS.

NOT APPROVED ☐

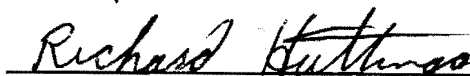
RECOMMENDATIONS AND/OR CONDITIONS:

Upon **Approval** or **Approved With Recommendations** the Cooperator(s) agrees to comply with the above submitted Open Cut Mine Noxious Weed Management and Revegetation Plan and with the Montana Department of Environmental Quality Plan of Operation.


(Signature of Weed Board Chairman/Representative)

Dennis R. Henry
(Type/print name of Chairman/Representative)

6/23/03
(Date)


(Signature of Open Cut Mine Cooperator)

Richard H. Ttinga
(Type/print name of Cooperator)

6-23-03
(Date)

Same
(Signature of Landowner)

(Type/print name of Landowner)

(Date)

Reclamation Bond Spreadsheet

Operator name, site, and date created:

Huttinga Amendment #3
1990 Little Bear Road, Gallatin Gateway
5/1/2010

Enter your data in the shaded boxes. See page 3 for detailed instructions.

Comments:

Concurrent reclamation is occurring on the existing mined area. Soils would be placed and seeded as mining proceeded in amendment # 3 ground.

Acreage Breakdown

Mine Area	20.0	acres
Facility Area	6.0	acres
Access Roads		acres
Partial Release Area	0.0	acres
Undisturbed	22.6	acres
Total permit area	48.6	

Highwall reduction, backfilling, soil and overburden replacement

Highwall cut/fill (describe)	linear feet	height	slope ratio	cubic yards	
	1,000	15	3:1	3,125	total
			:1	0	3,125

Highwall backfill (describe)					
			:1	0	total
			:1	0	0

Pit backfill (describe)	acres	depth	compaction %	cubic yards	
				0	total
				0	0

mine soil and OB replacement	9	inches soil	9	inches overburden	total	18
facility soil replacement	6	inches soil			total	6
access road soil replacement		inches soil			total	0

ITEM	UNIT	AMOUNT	RATE	TOTAL
highwalls and backfill		3,125 cu yds	\$1 per cubic yard	\$3,125
mine area grading		10.0 acres	\$200 per acre	\$2,000
mine area ripping		10.0 acres	\$100 per acre	\$1,000
mine soil and OB replacement	18 inches	10.0 acres	\$135 per inch/per acre	\$24,300
facility area grading		6.0 acres	\$100 per acre	\$600
facility area ripping		6.0 acres	\$100 per inch/per acre	\$600
facility soil replacement	6 inches	6.0 acres	\$135 per inch/per acre	\$4,860
access road area grading		0.0 acres	\$100 per acre	\$0
access road area ripping		0.0 acres	\$100 per inch/per acre	\$0
access road soil replacement	0 inches	0.0 acres	\$135 per inch/per acre	\$0
seeding or other revegetation		42.8 acres	\$200 per acre	\$8,560
fencing		linear ft	\$1 per linear foot	\$0
weed control		42.8 acres	\$100 per acre	\$4,280
asphalt or concrete recycle pile	0 cu yds	0 miles	\$0.20 per cubic yard/mile	\$0
partially released acres		0.0 acres	\$300 per acre	\$0
undisturbed acres		22.6 acres	\$0 per acre	\$0
overburden and soil replaced		10.0	0	\$0
other				\$0

mobilization	3 loads	20.0 miles	\$9.00 per round trip mile	\$540
round trip miles to the town of	Gateway			

DEQ administrative costs - 10% of subtotal \$4,987

Total acreage = 48.6 Per acre rate = \$1,128.63 Total bond = \$54,852

Prepared by Jo Stephen

Opencut Mining 10/05

FD REBAR
& CAP
Assumed
Elev. ~
1500.00'

BASIS OF BEARINGS 189.2611°
20.3678 (W) 20.3672 (E)

FD REBAR
& CAP

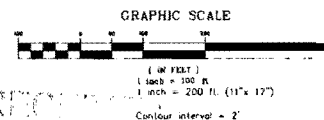
HUTTINGA GRAVEL PIT IN S1/2-NE1/4 & TR.1A, N1/2-SE1/4 SECTION 25, TOWNSHIP 3 S., RANGE 4 E., P.M.M. GALLATIN COUNTY, MONTANA

NOTES:

1. The topsoil berms along Little Bear Rd. and the east side of the permit will remain the same in height, but less in width.
2. The highway on the south and west sides will be reduced to 3:1 slopes or flatter in early 2008. The overburden and topsoil will be replaced and seeded also.
3. Topsoil in the south and west berms will be used in early 2008, except for what will remain for the sight-and-sound berms.
4. The only highway to remain open will be the northerly direction of mining.

LEGEND

- R RECORDED ON C.O.S. 1815A
- M MEASURED THIS SURVEY
- TEST-HOLE
- PROF'D COR. (REBAR & CAP)



MAR 06 2008

HUTTINGA GRAVEL PIT

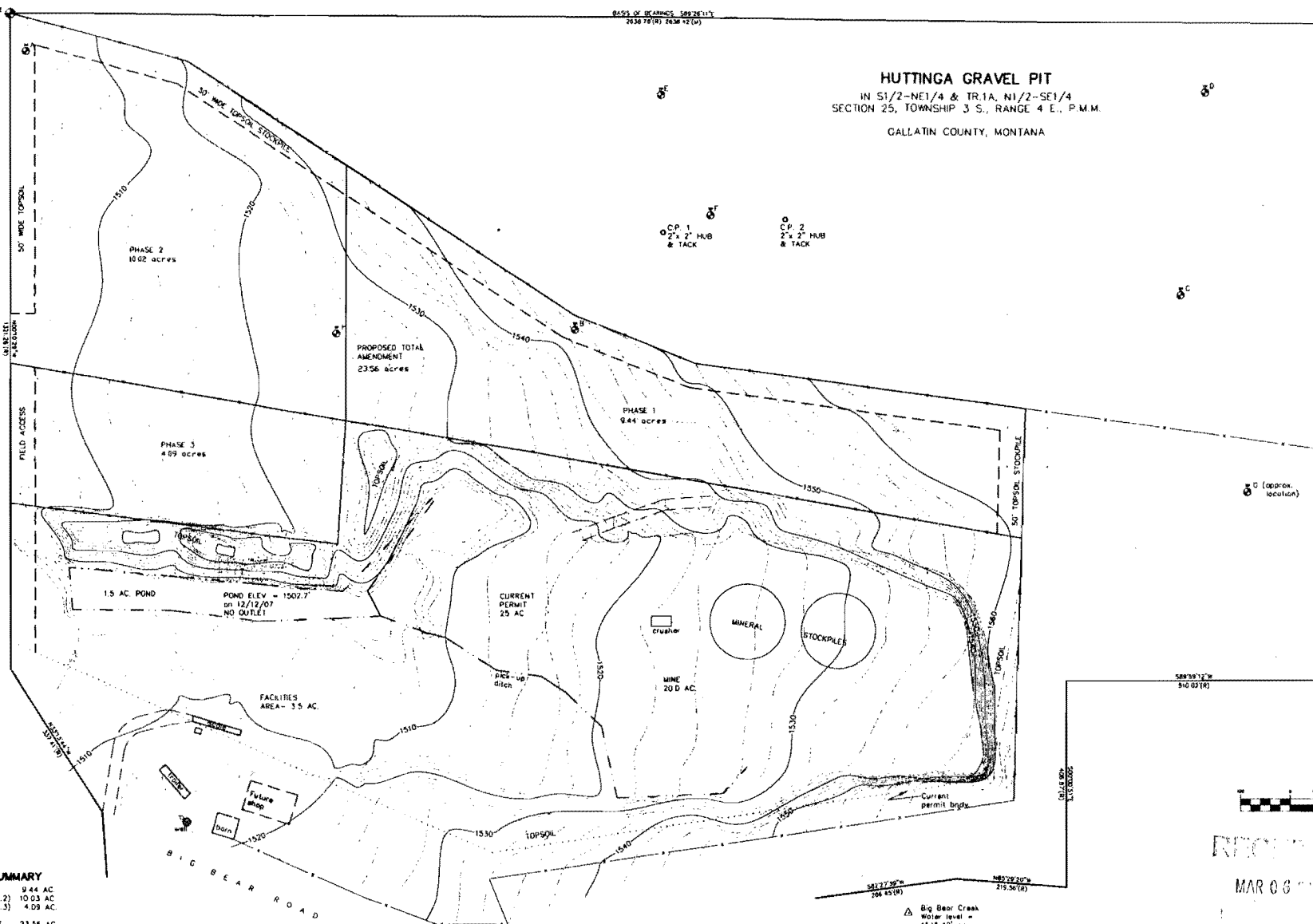
IN SEC. 25, T. 3 S., R. 4 E., P.M.M.

KENAL ENGINEERING, INC.
BOX 457, GALLATIN GATEWAY, MT

DATE: FEB. 2008
REV

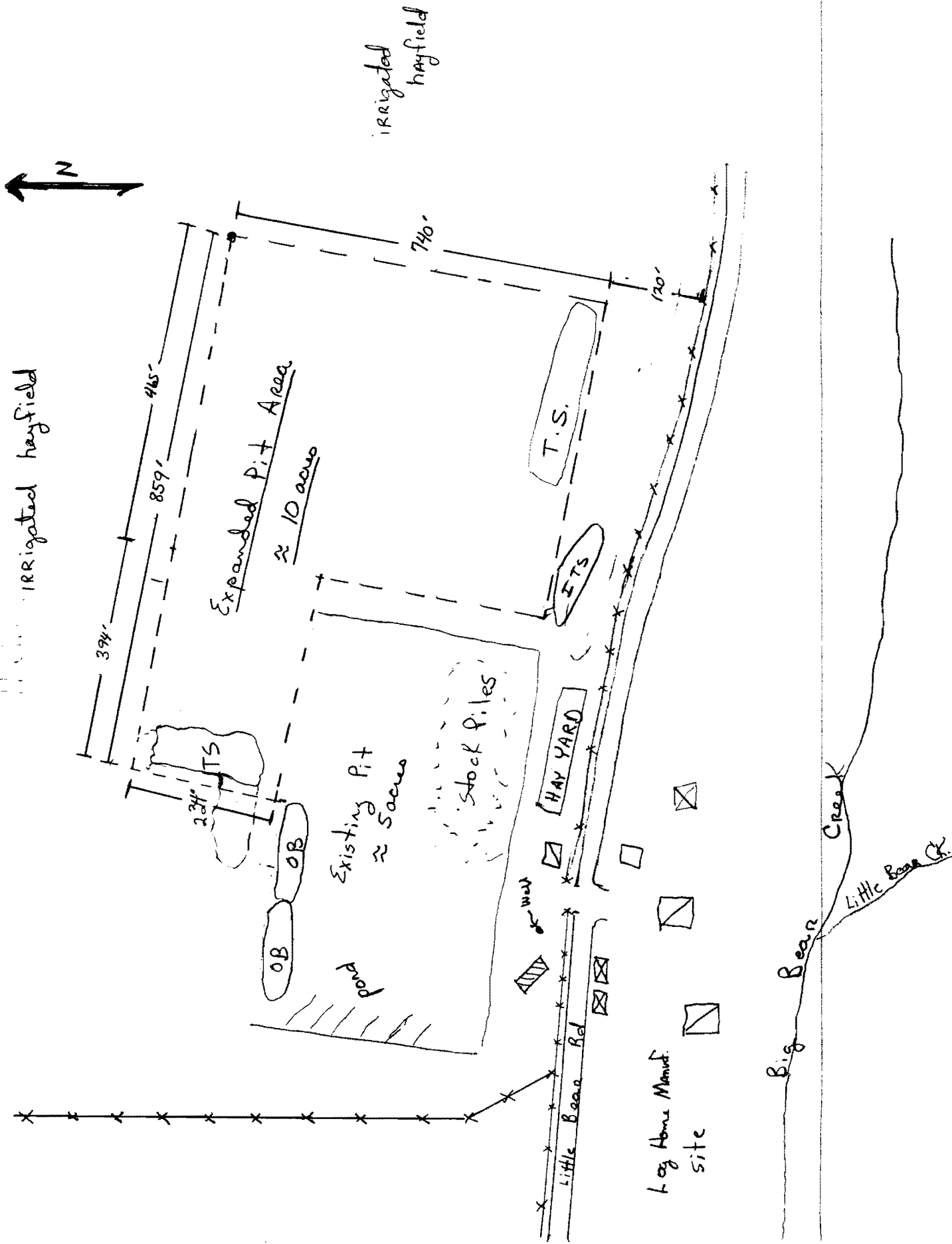
ACREAGE SUMMARY

MINE (PH.1) 9.44 AC
ASSOC DIST (PH.2) 10.03 AC
ASSOC DIST (PH.3) 4.09 AC
TOTAL AMENDMENT 23.56 AC
NEW TOTAL PERMIT 48.56 AC



Huttinga Gravel Pit

scale: 1" = 200'



Huttinga Gravel Pit

scale: 1" = 200'

Legend

- ☐ - Huttinga Farm house
- ☐ - Shop
- ☒ - Trailer House
- ☒ - Farm Machinery Storage Sheds
- solid line boundary of original pit
- - - dashed line new pit area
- (TS) - topsoil stockpiles
- (OB) - overburden stockpiles
- (ITS) - Imported topsoil Stockpile from construction sites
- ☒ - farm outbuildings

Montana Topographic Map Finder

The map is 0.91 miles wide.

Choose Image Type

2005 Color Photo

Photo Date = 08/15/2005



Select a Map Control,
then click on the map

Map Controls

☒ ZoomIn Zoom Factor
☐ ZoomOut 2
☐ New Center State View

Map Center Coordinates at Red +

Datum: NAD83 ☒ NAD27 ☐

Decimal Degrees

Lat 45.5482 Long -111.17387

State Plane

E 469332 N 145677

UTM Zone 12

E 486428 N 5043866

US National Grid

12T VR 86428 43866

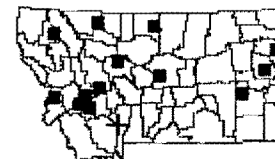
TRS T3S R4E S25

Hydrologic Unit 10020008
Gallatin River

Download Orthophoto: Title
3135

Download 100K
quadrangle: Bozeman

Click the small map to move the main
map center.



Green squares show areas where 2004
hi-resolution color photos are
available.

[Legend](#) | [Help](#)

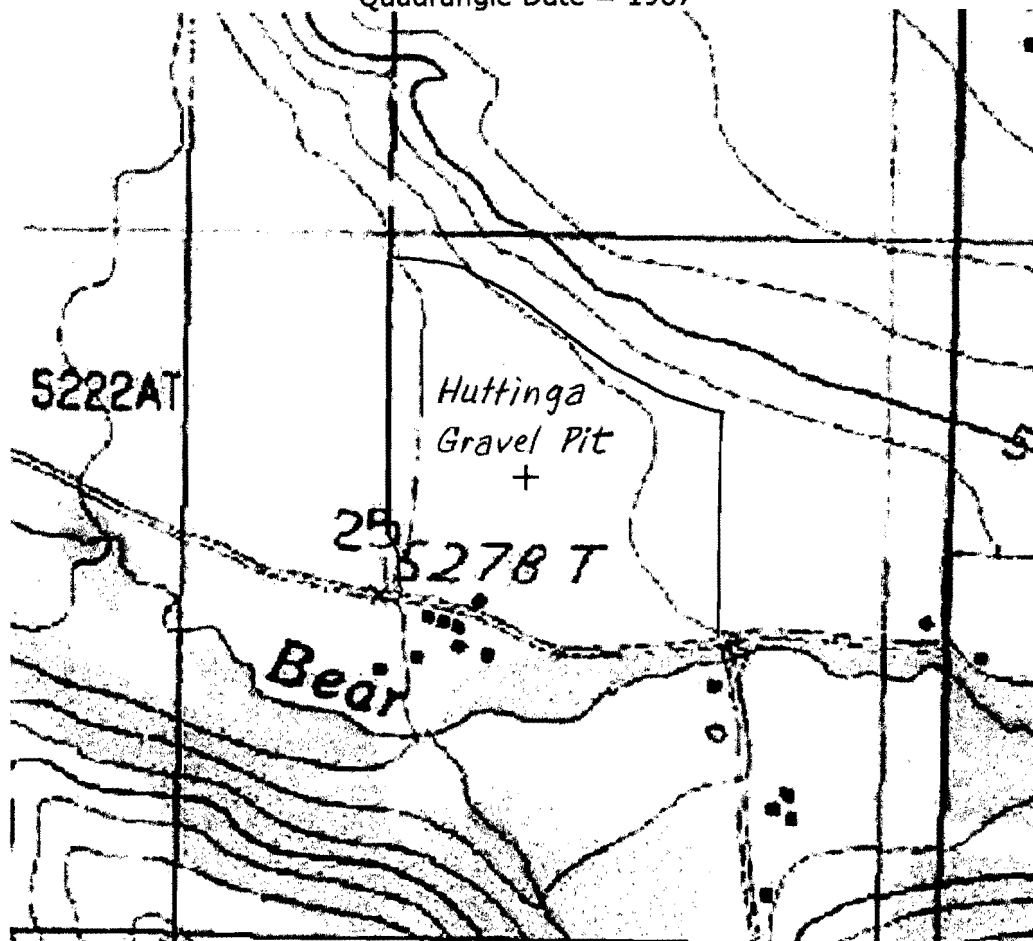
Montana Topographic Map Finder

The map is 0.91 miles wide.

Choose Image Type

Topographic Map

Quadrangle Date = 1987



Select a Map Control,
then click on the map

Map Controls

☒ ZoomIn Zoom Factor
☐ ZoomOut
☐ New Center

Map Center Coordinates
at Red +

Datum: NAD83 ☒ NAD27 ☐

Decimal Degrees

Lat 45.5482 Long -111.17387

State Plane

E 469333 N 145677

UTM Zone 12

E 486428 N 5043866

US National Grid

12T VR 86428 43866

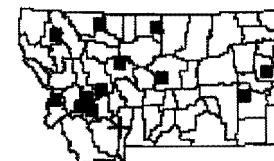
TRS T3S R4E S25

Hydrologic Unit 10020008
Gallatin River

Download 24K [Gallatin](#)
quadrangle: [Gateway](#)

Download 100K [Bozeman](#)
quadrangle:

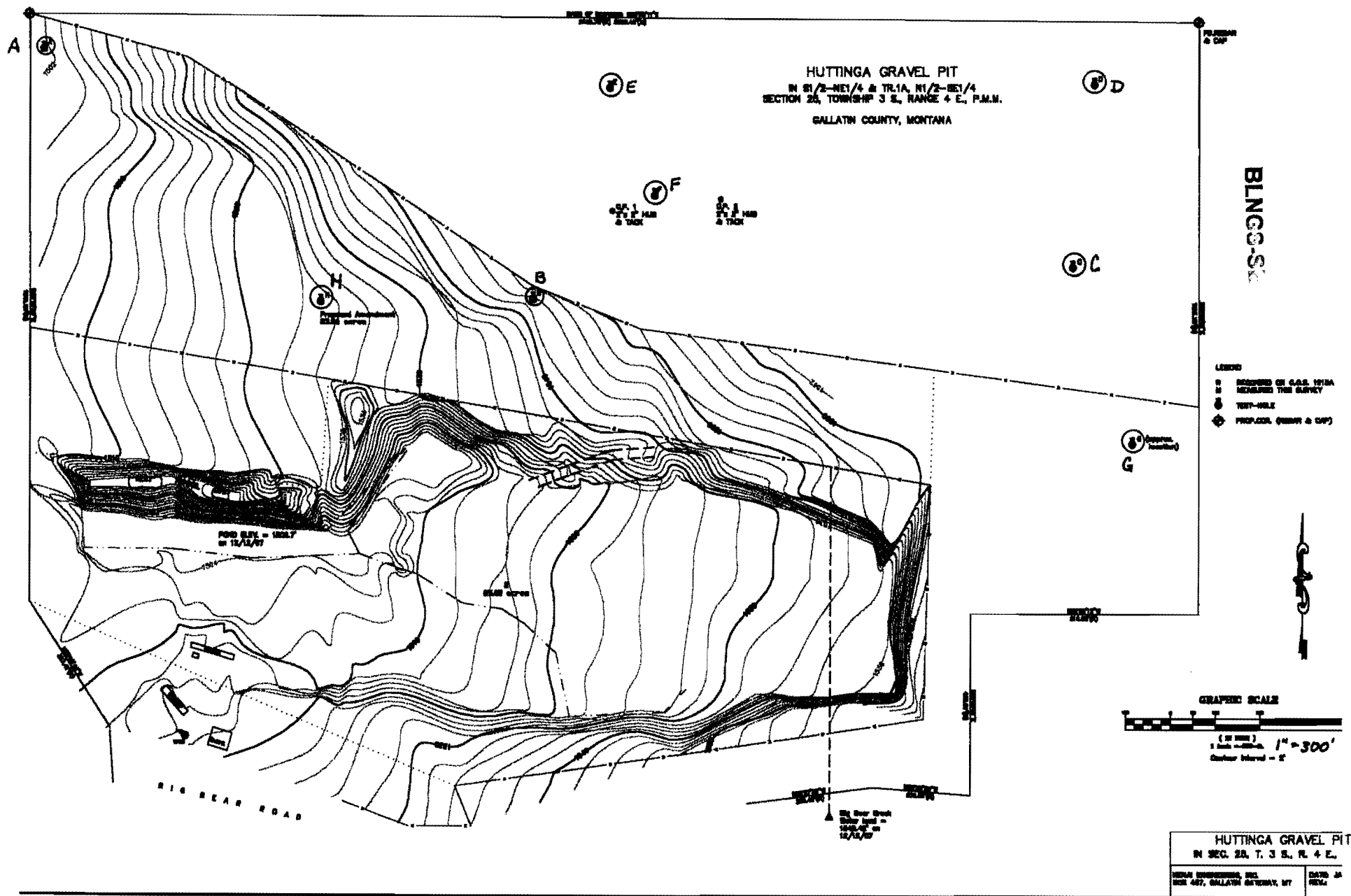
Click the small map to move the main
map center.



Green squares show areas where 2004
hi-resolution color photos are
available.

[Legend](#) | [Help](#)

NAME OF PERSONS REPORTING:
[REDACTED]



Am #3

BLNGS-SE

Test-holes at Huttinga Gravel Pit
12/11/07

<u>Test-hole</u>	<u>Depth</u>	<u>Material</u>
A	0-2.2'	topsoil
	2.2-5.4'	overburden (clayey)
	5.4-13.9'	gravel with rock to 14"
B	0-1.7'	topsoil
	1.7-5.0'	overburden
	5.0-12.7'	clayey gravel with rock to 12"
C	0-1.7'	topsoil
	1.7-1.9'	overburden
	1.9-15.0'	gravel with rock to 16"-24"
D	0-1.0'	topsoil
	1.0-12.1'	overburden
	12.1-14.5'	silty gravel with rock to 6"
E	0-1.0'	topsoil
	1.0-2.4'	overburden
	2.4-4.3'	white-colored overburden
	4.3-13.2'	overburden with <u>no</u> rock
F	0-1.1'	topsoil
	1.1-3.0'	ashy-looking overburden
	3.0-5.0'	overburden
	5.0-11.6'	gravel with rock to 24"
	11.6-13.8'	silt with <u>no</u> rock
G	0-3.6'	topsoil
	3.6-7.0'	overburden
	7.0-9.5'	clayey gravel with rock to 10"
H	0-1.0'	topsoil
	1.0-2.4'	overburden
	2.4-4.0'+	gravel with rock to 10" (like current pit)