For office use only:
Reviewed by:_____Date:_____
- ❑ COMPLETE
- ❑ INCOMPLETE
- ❑ DOES NOT QUALIFY FOR GENERAL PERMIT

- ❑ $333 PERMIT ADMINISTRATION FEE ATTACHED

Subpart OOO Crusher General Operating Permit Application

I. Introduction

Alaska law allows ADEC to issue general operating permits to similar types of operations that need air quality operating permits. This is an application to obtain a general operating permit for qualifying rock crushing and grinding equipment.

Alaska law requires operators of non-metallic mineral processing plants (rock crushers and grinders) to obtain air quality operating permits if equipment is subject to 40 C.F.R. 60, Subpart OOO.

You can use this application for crushing and grinding equipment at your facility if
1. Either:
   - You don't need a permit for any other reason; or
   - You get another general or facility-specific operating permit or permits that cover all other equipment requiring a permit; and
2. Your facility does not contain any sources excluded in II. F. of this application form.

Some of the other reasons for needing a permit for a facility that contains a non-metallic mineral processing plant include:
1. Equipment is subject to another federal emission standard;
2. The facility contains an industrial process with a rated capacity of 5 tons per hour or more that needs a control device to comply with state emission standards in 18 AAC 50.055.
3. The facility emits or has the potential to emit 100 tons or more of a regulated air contaminant

See pages 2 – 4 to see if you can use this general permit.

To obtain general operating permit GP9, you must complete this application and send it to:

Alaska Department of Environmental Conservation
Air Permit Program
555 Cordova
Anchorage, Alaska 99501

You will be notified within 60 days after receipt of the application if you qualify and your application is complete. As soon as your application is complete, we will send you the general operating permit.

❁ If you operate an *asphalt plant* or *soil remediation unit*—

Subpart OOO provisions are included in the general permits for asphalt plants and SRUs so that an operator may use only one permit. (See GP3 – GP4.)

II. Subpart OOO General Operating Permit Qualifying Criteria

A. Do you need a permit?

You need a permit for crushing and grinding equipment for non-metallic minerals if 40 C.F.R. 60, Subpart OOO applies to your equipment.

B. Does 40 C.F.R. 60, Subpart OOO apply to your equipment?

40 C.F.R. 60, Subpart OOO applies to any piece of equipment at a non-metallic mineral processing plant if

- Initial crushers have a combined maximum rated capacity larger than
  - ◊ 150 tons per hour for a portable plant,
  - ◊ 25 tons per hour for a fixed plant, or
  - ◊ 10 tons per hour for a common clay plant or pumice plant,
- the piece of equipment was constructed, reconstructed, or modified after August 31, 1983, and is a
  - ❖ crusher
  - ❖ grinding mill
  - ❖ screening operation
  - ❖ bucket elevator
  - ❖ belt conveyor
  - ❖ bagging operation
  - ❖ storage bin, or
  - ❖ enclosed truck or railcar loading station, and
- if the piece of equipment is operated at an asphalt plant or Portland cement plant, the equipment is used with the crushing part of the operation.

An initial crusher is a crusher at your facility that ***can*** receive at least some material that has not first been processed by another crusher. This definition applies whether or not the crusher is actually in use at any particular time.

If Subpart OOO applies to any of your equipment, continue on to C and D.
If not, you don't need this permit. If any equipment is replaced, you must re-evaluate whether the new equipment is subject to Subpart OOO.

C. Can you use this permit?

You can use this permit if

1. Either:
   - The only reason you need a permit is because equipment is subject to Subpart OOO; or
   - You get another general or facility-specific operating permit(s) that cover(s) all <u>other</u> equipment requiring a permit; and
2. Your facility does not contain any of the sources excluded in F.

D. What else would cause you to need a permit?

Other reasons for needing a permit include:

1. Equipment is subject to another federal emission standard
   Examples: some asphalt plants and Portland cement plants

2. The facility contains an industrial process with a rated capacity of 5 tons per hour or more that

needs a control device to comply with state emission standards in 18 AAC 50.055.
Examples: crusher that exhausts emissions to a stack, asphalt plants, soil remediation units, and Portland cement plants

3. The facility emits or has the potential to emit 100 tons or more of a regulated air contaminant
Examples: stationary diesel engines used for power

E. What if you have one of the following sources?

The example source types in this section are listed to help you decide if C and D exclude you from this permit. There may be other reasons another permit is needed.

❖ ***Asphalt Plants.*** *If you sometimes operate your crushing equipment at an asphalt plant, use permit GP3. It includes Subpart OOO provisions. You can use GP3 even when you operate your crusher at a different location from your asphalt plant.*

❖ ***Portland Cement Plants.*** *If you operate your crushing equipment at a Portland cement plant, you may need a facility-specific permit (See 18 AAC 50.325-350.)*

❖ ***Fuel Storage Tanks.*** *You* ***can*** *use this permit if your facility has Subpart Kb fuel storage tanks subject only to 40 C.F.R. 60.116b(a) and (b). 116b(a) and (b) are only record keeping requirements for tanks that store low-volatility fuels. You* ***can not*** *use this permit for any tank subject to actual emission limitations in Subparts Ka or Kb.*

A stationary fuel storage tank is subject only to 40 C.F.R. 60.116b(a) and (b) if it:

- Is constructed, reconstructed, or modified after July 23, 1984; and
- Has a capacity:
  - Between 10,000 and 20,000 gallons;
  - Between 20,000 and 40,000 gallons and stores fuels that exert an equilibrium partial vapor pressure less than 2.2 psia; or
  - Greater than 40,000 gallons and stores fuels that exert an equilibrium partial vapor pressure less than 0.5 psia.

Stationary means the tank is not attached to a mobile vehicle.

You can not use GP9 for tanks and fuels above those thresholds.

❖ ***Diesel Engines.*** *If your facility has* ***stationary*** *diesel engines with a combined rating of 1,100 horsepower or more, you must either*

- *Get a Pre-approved Limit or Owner Requested Limit to reduce the potential to emit (See 18 AAC 50.225-230), or*
- *Get a facility-specific permit under 18 AAC 50.325-350.*

You can use GP9 if you get a Pre-Approved Limit or Owner Requested Limit, or all sources except those subject to Subpart OOO are governed by the facility-specific permit.

Stationary diesel engines that provide power to non-metallic mineral processing plants may have a potential to emit 100 tons per year or more of NO_x. In the warmer parts of the state, non-metallic mineral processing plants can operate 8 months of the year. Based on continuous operation for 8 months, *stationary* diesel engines with a combined rating of 1,100 horsepower have a potential to emit 100 tons per year. Engines with a combined potential to emit less than 100 tons per year do not exclude an operator from using this general permit.

❖ *If your facility has **stationary** diesel engines with a combined rating of less than 1,100 horsepower you may use these engines under this general permit if they burn less than 330,000 gallons of diesel fuel per year.*

Stationary engines are engines that either remain or will remain in one location for 12 months, or that operate seasonally in the same location for more than one year. (An engine that replaces another used for the same purpose counts toward the same 12 months or seasonal operation.)

F. Excluded Sources.

You cannot use this permit if your facility contains any of the following sources.

❖ ***Rock Crushers with Exhaust Stacks.*** *If you exhaust emissions from your rock crushing plant to a stack, you need a facility specific permit. (See 18 AAC 50.325-350.)*

A rock crushing plant with emissions exhausted to a stack is subject to additional requirements not in this permit. It is subject to particulate matter emission limits and source testing requirements of Subpart OOO. It also would be an industrial process needing a control device to comply with state emission standards of 18 AAC 50.055. This causes all sources at the facility to be subject to the permit, not just the equipment subject to Subpart OOO. Most rock crushers do not exhaust emissions through a stack. If this applies to your facility, you will need a facility-specific permit issued through 18 AAC 50.325-350.

❖ ***Other Sources Subject to Standards Not in This Permit.*** *If any source at your facility will be subject to any of the following standards during the life of the permit, you cannot use this permit:*

- Open burning – 18 AAC 50.065,
- Asbestos demolition or renovation – 40 C.F.R. 61.145
- Servicing of refrigeration equipment containing Class I or Class II substances – 40 C.F.R. 82.

G. Location

The location condition from the crusher general permit is reproduced in its entirety here. The crusher operation must comply with conditions a through d below or the crusher may not operate under this general permit.

a. The permittee may not operate the facility under this permit at a location less than 400 feet from the nearest residence.

b. The permittee may move to and operate the facility under this permit at a location between 400 and 1000 feet of the nearest residence for a period of not more than two construction seasons during the effective period of this permit

If the facility was moved to such a location before the effective date of this permit and after January 1, 2002, the permittee may operate the facility for a period of not more than one construction season under this permit at that location.

c. The operator shall

1. provide notice to the department at least 10 days in advance of the move of any crusher operation by using the application amendment form (Location) in attachment 5 of this permit.
2. give adequate consideration to siting issues as described in condition Gd when operating or changing locations of a crusher permitted to operate under this permit.

d. If the operator selects a location near residences or other occupied structures and this location selection results in complaints concerning the air emissions, the department will investigate the complaints. These investigations could result in

1. *the operator being required to prove, by air quality dispersion modeling or other means, that emissions from the plant are not harmful to the neighbors by conducting an ambient air quality investigation under 18 AAC 50.201.*
2. *the requirement to reduce emissions or implement another control strategy to reduce the ambient impact of those emissions as necessary to ensure that the concentration of air contaminants in the ambient air does not exceed the ambient air quality standards, maximum allowable ambient concentrations or the limitations of 18 AAC 50.110.*
3. *Air quality monitoring investigations; or*
4. *The requirement to obtain a site specific permit with requirements tailored to the exact operation contemplated.; and*
5. *Operators must be aware that if additional dispersion modeling, an investigation under 18 AAC 50.201 or a site specific permit is needed, these requirements could result in significant delays and expenses.*

[18AAC50.110, 5/26/72; 18AAC50.201, 1/18/97]

If you are not excluded from this permit by C - G, continue to page 6.

III. Source Information

Information to determine what requirements apply

1. What is the combined rated capacity of your initial crushers? _____ tons per hour

An initial crusher is any crusher that ***can*** *receive material that has not been processed by another crusher first.*

2. Is your facility transportable?
   ❝ Yes ❝ No

3. Was your facility constructed, reconstructed[1], or modified after August 31, 1983?
   ❝ Yes ❝ No

4. Are any conveyor transfer points or other sources of particulate matter emissions enclosed in a building?
   ❝ Yes ❝ No

5. Does any structure have mechanically induced air flow to exhaust particulate emissions?
   ❝ Yes ❝ No

6. Is any equipment in your processing plant exhausted to a baghouse, cyclone, or wet scrubber?
   ❝ Yes ❝ No

If you answered yes to 5 or 6 you do not qualify for this permit. You need to apply for a facility-specific permit.

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1 "Reconstruction" means replacing components of an existing

crusher	belt conveyor
grinding mill	bagging operation
screening operation	storage bin,
bucket elevator, or	enclosed truck or railcar loading station

so that the cost of replacement is 50% or more of the cost of a comparable new unit. In computing the cost of replacement and of a comparable new unit, do not include the cost of ore contact surfaces: crushing surfaces; screen meshes, bars, and plates; conveyor belts; and elevator buckets. Costs are limited to any 2 year period.

Please see 40 C.F.R. 60.15, and 40 C.F.R. 60.673.

Source List

Please identify any equipment at your facility subject to Subpart OOO by placing an "x" in the box, and filling in any requested information.

❝ Initial crushers *(list all initial crushers regardless of size or age)*

Equipment Id: _____ Rated capacity: _____ tons per hr. Date built: _____
Equipment Id: _____ Rated capacity: _____ tons per hr. Date built: _____
Equipment Id: _____ Rated capacity: _____ tons per hr. Date built: _____
Equipment Id: _____ Rated capacity: _____ tons per hr. Date built: _____
Equipment Id: _____ Rated capacity; _____ tons per hr. Date built: _____
Equipment Id: _____ Rated capacity; _____ tons per hr. Date built: _____

For the remainder of the source list, you only need to show equipment built, reconstructed, or modified after August 31, 1983.

❝ Other crushers

Equipment Id: _____ Rated capacity: _____ tons per hr. Date built: _____
Equipment Id: _____ Rated capacity: _____ tons per hr. Date built: _____
Equipment Id: _____ Rated capacity: _____ tons per hr. Date built: _____
Equipment Id: _____ Rated capacity: _____ tons per hr. Date built: _____
Equipment Id: _____ Rated capacity; _____ tons per hr. Date built: _____
Equipment Id: _____ Rated capacity; _____ tons per hr. Date built: _____

❝ Other Grinding Mills

Equipment Id: _____ Date built: _____
Equipment Id: _____ Date built: _____
Equipment Id: _____ Date built: _____
Equipment Id: _____ Date built: _____
Equipment Id: _____ Date built: _____

❝ Screening Operations

Equipment Id: _____ Date built: _____
Equipment Id: _____ Date built: _____
Equipment Id: _____ Date built: _____
Equipment Id: _____ Date built: _____
Equipment Id: _____ Date built: _____
Equipment Id: _____ Date built: _____

❝ Belt Conveyors

Equipment Id: _____ Date built: _____
Equipment Id: _____ Date built: _____
Equipment Id: _____ Date built: _____
Equipment Id: _____ Date built: _____
Equipment Id: _____ Date built: _____
Equipment Id: _____ Date built: _____
Equipment Id: _____ Date built: _____

Equipment Id: _____ Date built: _____
Equipment Id: _____ Date built: _____

- Bucket Elevators
  Equipment Id: _____ Date built: _____
  Equipment Id: _____ Date built: _____
  Equipment Id: _____ Date built: _____
  Equipment Id: _____ Date built: _____
  Equipment Id: _____ Date built: _____

- Bagging Operations
  Equipment Id: _____ Date built: _____
  Equipment Id: _____ Date built: _____

- Storage bins
  Equipment Id: _____ Date built: _____
  Equipment Id: _____ Date built: _____
  Equipment Id: _____ Date built: _____
  Equipment Id: _____ Date built: _____
  Equipment Id: _____ Date built: _____
  Equipment Id: _____ Date built: _____
  Equipment Id: _____ Date built: _____

- Enclosed Truck or Railcar Loading Stations
  Equipment Id: _____ Date built: _____
  Equipment Id: _____ Date built: _____

- Stationary fuel storage tanks
  Date Installed_____ Capacity_____(gallons) Fuel Stored_____
  Date Installed_____ Capacity_____(gallons) Fuel Stored_____
  Date Installed_____ Capacity_____(gallons) Fuel Stored_____

IV. Identification Information

Facility Name _____
Facility Contact Person _____
Telephone Number _____

Physical Address _____
Mailing Address _____
UTM Coordinates or _____
Latitude/Longitude _____

Legal Owner _____
Mailing Address _____
Telephone Number _____

Operator (*if different from owner*) _____
Mailing Address _____
Telephone Number _____

Billing Contact Person _____
Mailing Address _____
Telephone Number _____

Individuals in Your Company
Authorized to Incur Fees _____

SIC Codes:

Sand and gravel
- Construction – 1442
- Industrial – 1446

Asphalt paving
- Heavy construction – 1629
- Roads – 1611
- Driveways & parking lots - 1771

Portland cement plant – 3241
Other (describe activity)
- _____ – _____

Instructions for Page 9.

Provide the following information. Where applicable please provide fax numbers and e-mail addresses.

Facility Name – the name of the facility that is applying for this permit.
Facility Contact Person – the name of the individual responsible for the facility's day-to-day operations.
Telephone Number – the contact person's telephone number.

Physical Address - the facility's address. This should include a street number or legal description of the property. For a portable facility operating at a location without an address, describe the location to the nearest landmark.
Mailing Address – if different from the physical address, the address where the facility receives mail.
UTM Coordinates – the facility's Universal Transverse Mercator (UTM) coordinates.
Latitude/Longitude – the facility's Latitude and Longitude coordinates. Provide either the UTM or the Latitude/Longitude coordinates of the facility.

Legal Owner – the facility's legal owner. The legal owner could be either a person or a separate company.
Mailing Address – the owner's mailing address.
Telephone Number – the owner's telephone number.

Operator – if different from the owner, the operator's name. The operator could be either a person or a separate company.
Mailing Address – the operator's mailing address.
Telephone Number – the operator's telephone number.

Billing Contact – the billing contact's name.
Mailing Address - the billing contact's mailing.
Telephone Number – the billing contact's telephone number.

Individuals Authorized to Incur Fees – List any individual in your organization that you authorize to incur department fees. Please include consultants if applicable.

Fees

Permit Administration Fees
18 AAC 50.400(g) requires a $333 permit administration fee.

Include with this application the $333 permit administration fee.

You will be billed an annual compliance fee as set out by 18 AAC 50.400(h). Any additional permit fees are due within 60 days of the billing date.

Additional Documents

Attach the following documents with your application.

All Facilities

- Fill out and attach the compliance certification form—Attachment A.
- Include the $333 permit administration fee.
- Include a fugitive dust control plan as described in condition 20 of the permit if located within 2000 feet of the nearest residence or other inhabited structure.

V. Certification

Based on information and belief formed after reasonable inquiry, I certify that the facility meets the qualifying criteria and that the statements and information in and attached to this document are true, accurate, and complete.

_____
Signature

_____
Printed Name

_____
Title

State of Alaska, City of _____, Borough of _____

On this _____ day of _____, 20__ before me personally appeared _____, whose identity was proved to me on the basis of satisfactory evidence to be the person whose name is subscribed t this instrument, and acknowledged that he (she) executed the same.

_____ Notary Public

My Commission Expires on _____

Addresses

Please send the completed application to:
ADEC
Air Permit Program
555 Cordova Street
Anchorage, AK 99501

And

USEPA
1200 6th Avenue
Mail Stop OAQ-107
Seattle, WA 98101

Attachment A.

Initial Compliance Certification for Non-Metallic Mineral Processing

Permittee: _____
Facility Name: _____
Certification Period: _____

Condition Number And Description	Compliance Status	Continuous/ Intermittent	Method to determine compliance
STANDARD PERMIT CONDITIONS			
1. – 6.	**These conditions place no certification obligation on permittee.**		
7. inspector access provided on request	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable (attach explanation**	☐ **Continuous** ☐ **Intermittent**	☐ **Dates access granted or not requested** ☐ **Other (attach description & documentation)**
8. furnishing records	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable (attach explanation**	☐ **Continuous** ☐ **Intermittent**	☐ **Dates submitted** ☐ **Other (attach description & documentation)**
9. certifying reports	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable (attach explanation**	☐ **Continuous** ☐ **Intermittent**	☐ **All reports/ documents certified** ☐ **Other (attach description & documentation**
10. – 14. source test requirements	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable (attach explanation**	☐ **Continuous** ☐ **Intermittent**	☐ **source tests performed** ☐ **plans submitted** ☐ **reports submitted** ☐ **Other (attach description)**

GENERAL PERMIT CONDITIONS FOR GRINDING & CRUSHING			
15.1 grinding or crushing opacity	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable (attach explanation**	☐ **Continuous** ☐ **Intermittent**	☐ **visible emissions testing records kept** ☐ **visible emissions did not exceed 15% opacity** ☐ **Other (attach description & documentation)**
15.2 conveyor opacity requirements	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable (attach explanation**	☐ **Continuous** ☐ **Intermittent**	☐ **visible emissions testing records kept** ☐ **visible emissions did not exceed 10% opacity** ☐ **Other (attach description & documentation)**
15.3 marking requirements	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable (attach explanation**	☐ **Continuous** ☐ **Intermittent**	☐ **all photographic records kept** ☐ **all NSPS equipment marked properly** ☐ **Other (attach description & documentation)**
16. Visible emissions observations Subpart OOO equipment	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable (attach explanation**	☐ **Continuous** ☐ **Intermittent**	☐ **observations made with Ref Method 9** ☐ **records kept and provided with semi annual operating reports**
17. replacement of grinding, crushing or conveying equipment	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable (attach explanation**	☐ **Continuous** ☐ **Intermittent**	☐ **all records kept and notifications made** ☐ **no equipment replaced** ☐ **Other (attach description & documentation)**
18 Initial Opacity Observations	☐ **In Compliance** ☐ **Not In Compliance**	☐ **Continuous**	☐ **observations made with Ref Method 9** ☐ **records kept and**

	☐ **Not applicable (attach explanation**	☐ **Intermittent**	**provided with semi annual operating reports**
19. fuel storage tank requirements	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable (attach explanation**	☐ **Continuous** ☐ **Intermittent**	☐ **all records of tank dimensions and capacities kept** ☐ **tanks are too small or too old to require record keeping** ☐ **Other (attach description & documentation)**
GENERAL REQUIREMENTS FOR THE FACILITY			
20. fugitive dust requirements	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable (attach explanation**	☐ **Continuous** ☐ **Intermittent**	☐ **all reasonable precautions taken** ☐ **fugitive dust plan complied with** ☐ **Other (attach description & documentation)**
21. & 22. air pollution prohibited	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable (attach explanation**	☐ **Continuous** ☐ **Intermittent**	☐ **records of complaints kept** ☐ **complaints investigated and corrective action taken as necessary** ☐ **Other (attach description & documentation)**
23. coastal zone management	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable (attach explanation**	☐ **Continuous** ☐ **Intermittent**	☐ **all records and correspondence kept** ☐ **did not operate in AWCRSA** ☐ **Other (attach description)**
24. fees	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable (attach explanation**	☐ **Continuous** ☐ **Intermittent**	☐ **all invoices paid within 60 days** ☐ **Other (attach description & documentation)**

25. Location considerations	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable (attach explanation**	☐ **Continuous** ☐ **Intermittent**	☐ **any equipment moves reported 30 days in advance** ☐ **Other equipment not moved**
26. Excess Emission Reports	☐ **In Compliance** ☐ **Not In Compliance** ☐ **Not applicable (attach explanation**	☐ **Continuous** ☐ **Intermittent**	☐ **excess emissions reported on time** ☐ **records kept and provided with semi annual operating reports**

Based on information and belief formed after reasonable inquiry, I certify that the statements and information in and attached to this document are true, accurate and complete.

_____
Signature

_____ _____
Printed Name Title

State of Alaska, City of _____ , Borough of _____

On this _____day of _____, 20____ before me personally appeared _____

Whose identity was proved to me on the basis of satisfactory evidence to be the person
Whose name is subscribed to this instrument, and acknowledged that he (she) executed the same.

_____
Notary Public My Commission Expires _____