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| Alaska Department of Environmental ConservationAir Quality Control Minor Permit Application |  |

**MINOR PERMIT APPLICATION – EMISSION UNIT INFORMATION**

*FOR A NEW STATIONARY SOURCE: Complete this form for all emissions units.*

*FOR A MODIFICATION TO AN EXISTING STATIONARY SOURCE:*

*IF YOU HAVE A TITLE V PERMIT: Complete this form for each emissions unit that is new or that is affected by a physical change or change in the
 method of operation.*

*IF YOU DO NOT HAVE A TITLE V PERMIT or APPLICATION CLASSIFIED UNDER 18 AAC 50.508(5): Complete this form for all emissions units.*

 **Section 1 Stationary Source Information**

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| Stationary Source Name:      |

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| **Section 2 Emissions Unit (EU) Identification (ID) and Description***Note: Do not use this section for emission units associated with asphalt plants, soil remediation, and rock crushers. Use the Supplementary Forms for these units.* |
| EU ID No. | Description | Construction Date | Make / Model | Serial No. | Requested Limit\* (specify units) | Max. Rated Capacity (kW, MMBtu), Horsepower (hp) or. Design Throughput |
|       |       |       |       |       |       |       |       |
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*\*If no annual limit is applicable (e.g., hours, fuel), then specify not applicable (N/A).*

*Please use additional copies of this sheet if necessary.*

***Have you identified each emission unit (if you do not have a Title V permit), or each new or affected emission unit (if you have an existing Title V permit) in Section 2 above?* [ ]** Yes **[ ]** No
If not, please explain:

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| **Section 3 Emissions Unit Use** |
| EU ID No. | Is unit portable? | Is the unit: | Is this unit a: | If limited operation, is the unit: |
| *[List same EUs as in Section 2.]* | Yes No |  a nonroad engine?Yes No | an intermittently used oil field support equipment per [Policy 04.02.105](http://dec.alaska.gov/air/ap/docs/Policy%20Guidance%2004%2002%20105%2011-20-06.pdf)?Yes No | an oil field construction unit per [Policy 04.02.104](http://dec.alaska.gov/air/ap/docs/Policy%20guidance%2004%2002%20104%2011-20-06.pdf)?Yes No | primary (base load) unit? | or limited operation unit? | emergency or black start unit? | subject to a permit limit? | or other (specify)? |
|       | [ ]  [ ]  | [ ]  [ ]  | [ ]  [ ]  | [ ]  [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]        |
|       | [ ]  [ ]  | [ ]  [ ]  | [ ]  [ ]  | [ ]  [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]        |
|       | [ ]  [ ]  | [ ]  [ ]  | [ ]  [ ]  | [ ]  [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]        |
|       | [ ]  [ ]  | [ ]  [ ]  | [ ]  [ ]  | [ ]  [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]        |
|       | [ ]  [ ]  | [ ]  [ ]  | [ ]  [ ]  | [ ]  [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]        |
|       | [ ]  [ ]  | [ ]  [ ]  | [ ]  [ ]  | [ ]  [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]        |
|       | [ ]  [ ]  | [ ]  [ ]  | [ ]  [ ]  | [ ]  [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]        |
|       | [ ]  [ ]  | [ ]  [ ]  | [ ]  [ ]  | [ ]  [ ]  | [ ]  | [ ]  | [ ]  | [ ]  | [ ]        |
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*Please use additional copies of this sheet if necessary.*

***Have you specified the use of each emission unit in Section 3 above?* [ ]** Yes **[ ]** No
If not, please explain:

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| **Section 4 Fuel Information** *Complete Section 4a or 4b for each emissions unit, as appropriate.* **Section 4a Fuel Burning Equipment not Including Flares** |
| EU ID No. | Fuel type(s) | Maximum fuel sulfur content | Fuel density (lb/gal)(if liquid fuel) | Higher heating value\* | Maximum fuel consumption rate (gallons/hour or MMscf/hour) |
|       |       |       [ ]  wt. % S [ ]  ppmv H2S |       |       [ ]  Btu/gal [ ]  Btu/dscf      Other |       |
|       |       |       [ ]  wt. % S [ ]  ppmv H2S |       |       [ ]  Btu/gal [ ]  Btu/dscf      Other |       |
|       |       |       [ ]  wt. % S [ ]  ppmv H2S |       |       [ ]  Btu/gal [ ]  Btu/dscf      Other |       |
|       |       |       [ ]  wt. % S [ ]  ppmv H2S |       |       [ ]  Btu/gal [ ]  Btu/dscf      Other |       |
|       |       |       [ ]  wt. % S [ ]  ppmv H2S |       |       [ ]  Btu/gal [ ]  Btu/dscf      Other |       |
|       |       |       [ ]  wt. % S [ ]  ppmv H2S |       |       [ ]  Btu/gal [ ]  Btu/dscf      Other |       |
|       |       |       [ ]  wt. % S [ ]  ppmv H2S |       |       [ ]  Btu/gal [ ]  Btu/dscf      Other |       |
|       |       |       [ ]  wt. % S [ ]  ppmv H2S |       |       [ ]  Btu/gal [ ]  Btu/dscf      Other |       |
|       |       |       [ ]  wt. % S [ ]  ppmv H2S |       |       [ ]  Btu/gal [ ]  Btu/dscf      Other |       |
|       |       |       [ ]  wt. % S [ ]  ppmv H2S |       |       [ ]  Btu/gal [ ]  Btu/dscf      Other |       |
|       |       |       [ ]  wt. % S [ ]  ppmv H2S |       |       [ ]  Btu/gal [ ]  Btu/dscf      Other |       |

*\*Use British thermal unit (Btu) per gallon (gal) for liquid fuels. Use Btu per dry standard cubic foot (dscf) for gaseous fuels.
Please use additional copies of this sheet if necessary.*

***Have you provided the fuel details for each fuel-burning emission unit (excluding flares) in Section 4a above?* [ ]** Yes **[ ]** No
If not, please explain:

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| **Section 4b Flares***Complete this section if the project/stationary source contains a flare.* *Do you own or operate a flare?* **[ ]** Yes **[ ]** No *(If not skip this section)* |
| EU ID No: | Heat release rate for pilot / purge operation (MMBtu/hr) | Maximum heat release rate (MMBtu/hr) | Flare gas heat content (Btu/scf) | Flare gas H2S content (ppmv) |
|       |       |       |       |       |
|       |       |       |       |       |
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*Please use additional copies of this sheet if necessary*

*Include additional notes as warranted.*

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***Have you provided the fuel use details for all flares in Section 4b above?* [ ]** Yes **[ ]** No
If not, please explain:

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##### Section 5 Materials Processed and Methods of Operation

*Complete this section if the project/stationary source contains a materials-handling process.*

|  |  |  |  |
| --- | --- | --- | --- |
| EU ID No. | Materials processed | Maximum material processing rate | Describe method of operation |
|       |       |       |       |
|       |       |       |       |
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*Please use additional copies of this sheet if necessary*

*Include additional notes as warranted.*

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***Have you specified the material processing details in Section 5 above?* [ ]** Yes **[ ]** No
If not, please explain:

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| **Section 6 Emission Control Information** (if applicable)*Complete this section if the project/stationary source contains emission control equipment.* *Do you own or operate emission control equipment?* **[ ]** Yes **[ ]** No *(If not, note below and skip this section.)* |
| EU ID No. | Control equipment | Pollutant(s) controlled: | Description of the control equipment | Description of significant operating parameters and set points for the control equipment | The control equipment is necessary: |
| To comply with an emission standard | To avoid a project classification | Other – give purpose of control equipment |
|       |       |       |       |       | [ ]  | [ ]  |       |
|       |       |       |       |       | [ ]  | [ ]  |       |
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|       |       |       |       |       | [ ]  | [ ]  |       |
|       |       |       |       |       | [ ]  | [ ]  |       |
|       |       |       |       |       | [ ]  | [ ]  |       |
|       |       |       |       |       | [ ]  | [ ]  |       |
|       |       |       |       |       | [ ]  | [ ]  |       |
|       |       |       |       |       | [ ]  | [ ]  |       |
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*Please use additional copies of this sheet if necessary*

*Include additional notes as warranted.*

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***Have you specified the details of any emission controls in Section 6 above?* [ ]** Yes **[ ]** No
If not, please explain:

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| **Section 7 Emission Factors** *Give exact citations of emission factor sources.*

|  |  |
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| **EU ID No.** | **Emission Factors** |
| **NOx** | **CO** | **PM-2.5** | **PM-10** | **PM** | **SO2** | **VOC** | **HAPs** | **Lead** |
|       |       |       |       |       |       |       |       |       |       |
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| **EU ID No.** | **Sources and References for Emission Factors** |
| **NOx** | **CO** | **PM-2.5** | **PM-10** | **PM** | **SO2** | **VOC** | **HAPs** | **Lead** |
|       |       |       |       |       |       |       |       |       |       |
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*Please use additional copies of this sheet if necessary.**Include additional notes as warranted.*

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***Have you specified all emission factors and reference sources in Section 7 above?* [ ]** Yes **[ ]** No If not, please explain: |

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| **Section 8 Applicable State Emission Limits (listed in 18 AAC 50.050 through 18 AAC 50.090)***Complete this section for emissions units that are new or are affected by the physical change or change in operation.* |  |
| **EU ID No.** | **Emission Limit or Standard** | **Regulation Citation** | **Compliance Method** |
|       |       |       |       |
|       |       |       |       |
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*Please use additional copies of this sheet if necessary.*

***Have you specified all applicable state emission limits in Section 8 above?* [ ]** Yes **[ ]** No
***Have you specified a demonstration of compliance for each emission limit or standard?* [ ]** Yes **[ ]** No

If you answered “no” to either question, please explain:

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| **Section 9 Incinerators** *Complete this section if the project/stationary source contains an incinerator. Do you own or operate an incinerator?* **[ ]** Yes **[ ]** No *(If not, skip this section.)* |
|  |  |  |
| **EU ID No.** | Fuels Burned (type and consumption rate) | Rated capacity in pounds per hour | Type of waste burned |
|       |       |       |       |
|       |       |       |       |
|       |       |       |       |
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*Please use additional copies of this sheet if necessary*

*Include additional notes as warranted.*

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***Have you specified the details of all incinerators in Section 9 above?* [ ]** Yes **[ ]** No
If not, please explain:

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