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| **Alaska Department of Environmental Conservation**Air Quality Control Minor Permit Application |  |

**EMISSIONS SUMMARY FORM**

**Modification of an Existing Stationary Source**

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| **Section 1 Stationary Source Information** |
| Stationary Source Name:       |

**Section 2 Existing Potential to Emit (PTE) for the Entire Stationary Source BEFORE the Modification**

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| **EU ID No.** | *Does project affect the emissions unit?* | **PTE (tpy)** |  |
| **CO**  | **NOx4** | **PM-2.51** | **PM-101** | **PM** | **SO2** | **VOC2** | **Fugitive VOC3** | **Fugitive PM3** |
|       | [ ]  Yes [ ]  No |       |       |       |       |       |       |       |       |       |
|       | [ ]  Yes [ ]  No |       |       |       |       |       |       |       |       |       |
|       | [ ]  Yes [ ]  No |       |       |       |       |       |       |       |       |       |
|       | [ ]  Yes [ ]  No |       |       |       |       |       |       |       |       |       |
|       | [ ]  Yes [ ]  No |       |       |       |       |       |       |       |       |       |
|       | [ ]  Yes [ ]  No |       |       |       |       |       |       |       |       |       |
|       | [ ]  Yes [ ]  No |       |       |       |       |       |       |       |       |       |
| **Total tons per year (tpy)** |  |  |  |  |  |  |  |  |       |

**[ ]** Detailed Excel spreadsheet emissions calculations are attached. *These must be attached in order for your application to be complete.*

*Include multiple copies of this page if more space is required.*

[ ]  *Check this box if fugitive emissions are included in permit applicability under 18 AAC 50.502(i).*

*Brief description of why fugitive emissions are included in permit applicability:*

Notes:

1 Include condensable particulate matter for PM-10 and PM-2.5.

2 If total PTE for volatile organic compounds (VOCs) is at least 10 tpy, include a separate Excel spreadsheet that shows the HAP emissions.

3 Fugitive VOC and PM emissions are included as assessable emissions regardless of permit applicability.

4 Fugitive NOx emissions from blasting should be included in the PTE column for NOx.

***Have you completed Section 2 above?* [ ]** Yes **[ ]** No
If not, please explain:

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S**ection 3 Change in Emissions**

*Show ONLY existing emissions units that are affected by the project. Show EITHER the change in actual emissions (Sections 3a and 3b)*

*OR the change in potential emissions (Sections 2 and 3c).*

**Section 3a Actual Emissions – NOx, CO, PM-2.5, PM-10, PM, SO2 (18 AAC 50.502(c)(3)(B) or 18 AAC 50.508(5))**

*If an existing emissions unit is being removed, enter zero for “projected actual emissions” for that unit.*

*See 18 AAC 50.502 for directions on calculating “baseline actual emissions” and “projected actual emissions.”*

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| **EU ID No.** | **Type of Modification** | **Baseline Actual Emissions (tpy)** | **Projected Actual Emissions (tpy)** |
| Modified EU | Removed EU | **CO** | **NOX** | **PM-2.51** | **PM-101** | **SO2** | **CO** | **NOX** | **PM-2.51** | **PM-101** | **SO2** |
|  | [ ]  | [ ]  |  |  |  |  |  |  |  |  |  |  |
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| **Total**  |  |  |  |  |  |  |  |  |  |  |

*Use this table only if the project does not include new emission units. See 18 AAC 50.502(e) and (h)(4)*

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| **[ ]** Detailed Excel spreadsheets emissions calculations are attached. *These must be attached in order for your application to be complete. You may give an example calculation where the method of calculation is identical for multiple emissions units.* |

Notes:

1 Include condensable particulate matter for PM-10 and PM-2.5.

**Section 3b Change in Actual Emissions (18 AAC 50.502(c)(3)(B) or 18 AAC 50.502(c)(4)(B))**

*If you choose actual emissions as your basis, complete Sections 3a and 3b for each emissions unit for which you answered “YES” in Section 2.*

*Change in actual emissions = “projected actual emissions” minus “baseline actual emissions” from Section 3a.*

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| **EU ID No.** | **Change in Actual Emissions (tpy)** |
| **CO** | **NOx** | **PM-2.51** | **PM-101** | **SO2** |
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| Total |       |       |       |       |       |

*Use this table only if the project does not include new emission units. See 18 AAC 50.502(e) and (h)(4)*

**1** Include condensable particulate matter for PM-10 and PM-2.5.

***Have you completed Section 3a and 3b above?* [ ]** Yes **[ ]** No
If not, please explain:

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**Section 3c Change in Potential to Emit (PTE) (18 AAC 50.502(c)(3)(A) or 18 AAC 50.502(c)(4)(A))**

*If you choose PTE as your basis for calculation, complete this section for each emissions unit that is new and for each emissions unit for which you answered “YES” in Section 2.*

*Under “PTE AFTER the Modification”, enter zero if you are removing the emissions unit.*

*Under “Change in PTE”:
For each EXISTING emissions unit, subtract the amount of PTE BEFORE Modification in Section 2 from the “PTE AFTER the Modification”*

*For each NEW emissions unit, enter the amount from “PTE AFTER the Modification.”*

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| **EU ID No.** | **PTE - AFTER the Modification (tpy)**[only from modified and new emissions units. Do not list emission units for which you answered “NO” in Section 2.] | **Change in PTE (tpy)** |
| **CO** | **NOX** | **PM-2.51** | **PM-101** | **PM** | **SO2** | **VOC** | **HAPs2** | **CO** | **NOX** | **PM-2.51** | **PM-101** | **PM** | **SO2** | **VOC** | **HAPs** |
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| **Total** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Source-Wide** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| *Include multiple copies of this page if more space is required.* |
| **[ ]** Detailed Excel spreadsheet emissions calculations are attached. *These must be attached for your application to be complete.* |

Notes:

1 Include condensable particulate matter for PM-10 and PM-2.5

2 If the total PTE for hazardous air pollutants (HAPs) for the entire stationary source is at least 10 tpy, include a separate Excel spreadsheet that shows the HAP emissions.

***Have you completed all portions of Section 3c above?* [ ]** Yes **[ ]** No
If not, please explain:

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