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For office use only:

Reviewed by: \_\_\_\_\_ Date: \_\_\_\_\_

- COMPLETE
- INCOMPLETE
- DOES NOT QUALIFY FOR GENERAL PERMIT-A

## **GPA Application Diesel-Electric Generating Stations**

This is an application for a general operating permit for qualifying Diesel-Electric Generating Stations that contain diesel engines and auxiliary fuel burning equipment that agree to accept a fuel limit to avoid classification as Prevention of Significant Deterioration Major under 18 AAC 50.306.

Alaska law requires an operating permit if the stationary source has a potential to emit greater than 100 tons per year (TPY) of a regulated air contaminant.

Alaska law allows ADEC to issue general operating permits under AS 46.14.210 to similar types of operations. Operators prefer general operating permits because of their relative low cost as compared to stationary source specific permits.

This is an application to obtain or renew a general operating permit for qualifying diesel-electric generating stations. To obtain or renew a general operating permit, you must complete this application and send it to:

**Alaska Department of Environmental Conservation  
Air Permits Program  
General Permit Application  
619 East Ship Creek Avenue, Suite 249, Anchorage, AK 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, you will be sent the general operating permit with your letter of authorization.

Submit **\$TBD<sup>1</sup>** with your permit application for the general operating permit fee. You will be billed an annual compliance fee as set out by 18 AAC 50.400(a)(6). In addition, you are responsible for paying emission fees. The annual emission fee rate is currently set in 18 AAC 50.410(b)(1).

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<sup>1</sup> Permit application fee to be determined (TBD) per 18 AAC 50.400(d).

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## Qualifying Criteria

**You must answer each question by checking “Yes” or “No” next to the question.**

To qualify for this permit, you must be able to answer “yes” to the following questions.

Yes	No	Question
		Is your stationary source described by SIC code 4911 or 4931 and NAICS code 221112?
		Does your stationary source use diesel-fired reciprocating internal combustion engines to produce electricity?
		Is your stationary source capable of emitting 100 TPY or more of NO <sub>x</sub> (burning 330,000 gallons or more in 12 consecutive months)?
		Will your stationary source emit less than 250 TPY of NO <sub>x</sub> (burning 825,000 gallons or less of fuel in any 12 consecutive months)?
		Do you want a limit to restrict your NO <sub>x</sub> emissions to less than 250 TPY of NO <sub>x</sub> ?
		Do all of your engines subject to the requirements of 40 C.F.R. 60 Subpart IIII, other than fire pump engines, comply with the requirements for non-emergency engines?
		Do all of your engines subject to the requirements of 40 C.F.R. 63 Subpart ZZZZ comply with the requirements for non-emergency engines?
		Is the displacement of each of your engines less than 30 liters/cylinder?
		Did you obtain all required air quality control permits before building or modifying your stationary source?
		Does your stationary source comply with the State fuel burning equipment emission standards in the GPA permit?

To qualify for this permit, you must also be able to answer “no” to the following questions.

Yes	No	Question
		Do you currently hold an air quality permit that includes a stationary source-specific requirement? (Contact the Department if you are unsure.)
		Does your stationary source have to limit its fuel type, quality or quantity to comply with ambient air quality standards? (Contact the Department if you are unsure.)
		Was your stationary source built in an SO <sub>2</sub> special protection area after January 18, 1997? (St. Paul or Unalaska areas – See 18 AAC 50.025(c) for details.)

Yes	No	Question
		Is your stationary source in an area that is accessible by the Federal Aid Highway System (FAHS)? (Communities that do not have regular, year-round, drive-on/off ferry service are not considered accessible by the FAHS.)
		Does your stationary source contain a boiler rated at greater than 10 MMBtu/hour heat input and subject to any of 40 C.F.R. 60 Subparts D, Da, or Db?
		Does your stationary source contain a heater or boiler rated at 1.7 MMBtu/hour heat input or more that burns kerosene, No. 1 fuel oil, or No.2 fuel oil?
		Does your stationary source contain a heater or boiler rated at 0.3 MMBtu/hour heat input or more that burns used oil?
		Does your stationary source contain a storage tank subject to 40 C.F.R. 60 Subpart K, Ka, or Kb?
		Does your stationary source contain an emission unit subject to any other federal standard in 40 C.F.R. 60, 61, 62, or 63, other than a reciprocating internal combustion engine, woodstove for space heating, or an asbestos demolition/renovation project?
		Does your stationary source contain a gas turbine?
		Does your stationary source contain an incinerator?
		Does your stationary source use more than 20 percent wood waste as fuel?
		Does your stationary source contain a urea prilling tower in operation before July 1, 1972?
		Does your stationary source contain an asphalt plant?
		Does your stationary source contain a coal preparation plant?
		Does your stationary source contain a Portland Cement Plant?
		Does your stationary source contain a coal-burning boiler?
		Does your stationary source contain a petroleum refinery?

## Identification Information

Stationary Source Name \_\_\_\_\_

Physical Address \_\_\_\_\_

Mailing Address \_\_\_\_\_

UTM Coordinates or \_\_\_\_\_

Latitude/Longitude \_\_\_\_\_

Check the applicant's affiliation with this source:

- Owner
- Operator

Owner \_\_\_\_\_

Mailing Address \_\_\_\_\_

Operator (*if different from owner*) \_\_\_\_\_

Mailing Address \_\_\_\_\_

Stationary Source Contact and affiliation \_\_\_\_\_

Mailing Address \_\_\_\_\_

Telephone Number \_\_\_\_\_

Designated Agent \_\_\_\_\_

Mailing Address \_\_\_\_\_

Telephone Number \_\_\_\_\_

Responsible Official and affiliation \_\_\_\_\_

Mailing Address \_\_\_\_\_

Telephone Number \_\_\_\_\_

Billing Contact and affiliation \_\_\_\_\_

Mailing Address \_\_\_\_\_

Telephone Number \_\_\_\_\_



**Table 2: Emission Unit Inventory for Auxiliary Fuel Burning Equipment <sup>1</sup>**  
**(i.e., heaters and boilers)**

<b>ID Number</b>	<b>Emission Unit Description</b>	<b>Manufacturer</b>	<b>Model Number</b>	<b>Serial Number</b>	<b>Date Installed</b>	<b>Heat Input Rating (MMBtu/hr)</b>	<b>Fuel or Fuels</b>

Notes:

<sup>1</sup> Equipment in Table 2 must be insignificant as defined in 18 AAC 50.326(d)-(i). A heater or boiler is insignificant if it has a heat input rating less than 1.7 MMBtu/hr for burning kerosene, No. 1 fuel oil, or No. 2 fuel oil or has a heat input rating less than 0.3 MMBtu/hr for burning used oil. These insignificant units do not require visible emission or particulate matter observations per Condition 12 of the GPA permit.

**Table 3: Emission Unit Inventory for Fuel Storage Tanks**

<b>Tank ID Number</b>	<b>Capacity</b>	<b>Date Installed</b>	<b>Fuel Stored</b>

## Internal Combustion Engine (ICE) Categories for 40 C.F.R. 60 Subpart III

Under 40 C.F.R. 60.4200, the provisions of NSPS Subpart III are applicable to owners and operators:

- of stationary CI ICE that commence construction after July 11, 2005, where the stationary CI ICE are:
  - Manufactured after April 1, 2006, and are not fire pump engines, or
  - Manufactured as a certified National Fire Protection Association (NFPA) fire pump engine after July 1, 2006.
- of any stationary CI ICE that are modified or reconstructed after July 11, 2005

The provisions of 40 C.F.R. 60.4208 of NSPS Subpart III are applicable to all owners and operators of stationary CI ICE that commence construction after July 11, 2005.

For the purposes of NSPS Subpart III, the date that construction commences is the date the engine is ordered by the owner or operator.

List all engine ID numbers from Table 1 in the appropriate engine category of Table 4 or Table 5 as applicable. If an engine is installed or replaced in an off-permit change under Condition 57 of permit GPA, complete this form for the new engine(s) and submit this form with the required off-permit change notification.

**Table 4: Non-emergency Engines**

Engine ID Numbers	Engine Categories for Stationary Compression Ignition (CI) Internal Combustion Engines (ICE)	Applicable GPA Permit Requirements (Condition Numbers)
	Pre-2007 model year CI ICE with a displacement of less than 10 liters per cylinder	19.1, 19.2, 19.3, 19.5, 19.6 21.1, 21.5 22.2, 22.3, 22.5, 22.6 23.1, 23.2, 23.3
	Pre-2007 model year CI ICE with a displacement of greater than or equal to 10 liters per cylinder and less than 30 liters per cylinder	19.1, 19.2, 19.3, 19.5, 19.6 21.2, 21.5 22.2, 22.3, 22.5, 22.6 23.1, 23.2, 23.3
	2007 model year and later CI ICE with a displacement of less than 30 liters per cylinder	19.1, 19.2, 19.3, 19.5, 19.6 20 21.3, 21.5 22.2, 22.4, 22.5, 22.6 23.1, 23.3

**Table 5: Emergency Engines**

<b>Engine ID Numbers</b>	<b>Engine Categories for Stationary Compression Ignition (CI) Internal Combustion Engines (ICE)</b>	<b>Applicable GPA Permit Requirements (Condition Numbers)</b>
	Fire pump engines with a displacement of less than 30 liters per cylinder	19.1, 19.2, 19.4, 19.6 20 21.4, 21.5 22.1, 22.4, 22.5 23.1, 23.3

## Reciprocating Internal Combustion Engine (RICE) Categories for 40 C.F.R. 63 Subpart ZZZZ

List all engine ID numbers from Table 1 in the appropriate engine category of Table 6. Also list new and reconstructed engines, as defined below, in Table 4 or Table 5 under Internal Combustion Engine (ICE) Categories for 40 C.F.R. 60 Subpart IIII as applicable. If an engine is installed or replaced in an off-permit change under Condition 57 of permit GPA, complete this form for the new engine(s), and the form for 40 C.F.R. 60 Subpart IIII if necessary, and submit the form(s) with the required off-permit change notification.

**Table 6: All Engines**

Engine ID Numbers	Engine Categories for Stationary Compression Ignition (CI) Internal Combustion Engines (ICE)	Applicable GPA Permit Requirements (Condition Numbers)
	New <sup>1</sup> or reconstructed <sup>2</sup> CI ICE	24 & 25
	Existing <sup>3</sup> CI ICE	24 & 26

Table Notes:

- <sup>1</sup> A stationary RICE located at an area source of HAP emissions is new if you commenced construction of the stationary RICE on or after June 12, 2006.
- <sup>2</sup> A stationary RICE located at an area source of HAP emissions is reconstructed if you meet the definition of reconstruction in §63.2 and reconstruction is commenced on or after June 12, 2006.
- Reconstruction*, unless otherwise defined in a relevant standard, means the replacement of components of an affected or a previously nonaffected source to such an extent that:
- (1) The fixed capital cost of the new components exceeds 50 percent of the fixed capital cost that would be required to construct a comparable new source; and
  - (2) It is technologically and economically feasible for the reconstructed source to meet the relevant standard(s) established by the Administrator (or a State) pursuant to section 112 of the Act. Upon reconstruction, an affected source, or a stationary source that becomes an affected source, is subject to relevant standards for new sources, including compliance dates, irrespective of any change in emissions of hazardous air pollutants from that source.
- <sup>3</sup> For stationary RICE located at an area source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before June 12, 2006.

## Other Required Documents

**In addition to this application please include:**

1. A stationary source layout sketch, drawing or overhead site image photograph that identifies each emission unit (except insignificant emission units) and control device if applicable.
2. A preventative maintenance plan for each diesel engines and auxiliary equipment (except insignificant emission units). The plan could be the manufacturer's recommended maintenance plan for the piece of equipment, or it could be a plan tailored to your individual stationary source.
3. A compliance certification, as attached.

## Compliance Certification

**Specify the compliance status of your stationary source by filing out the following compliance certification (this compliance certification corresponds with terms and conditions of the GPA issued on Month XX, 2015).**

Condition	Compliance Status	Continuous/ Intermittent	Method Used to Determine Compliance
1-4, VE	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not in Compliance <input type="checkbox"/> Not Applicable	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Smoke/No-smoke monitoring plan <input type="checkbox"/> Method 9 visual observation <input type="checkbox"/> Other (attach description & documentation)
5-8, PM	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not in Compliance <input type="checkbox"/> Not Applicable	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Smoke/No-smoke monitoring plan <input type="checkbox"/> Method 5 source test <input type="checkbox"/> Other (attach description & documentation)
9, SO <sub>2</sub>	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not in Compliance <input type="checkbox"/> Not Applicable	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Fuel grade/sulfur content records <input type="checkbox"/> Other (attach description & documentation)
10, used oil	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not in Compliance <input type="checkbox"/> Not Applicable	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Method 5 source test & fuel sulfur content records <input type="checkbox"/> Other (attach description & documentation)
11, used oil	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not in Compliance <input type="checkbox"/> Not Applicable	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Fuel grade/sulfur content records <input type="checkbox"/> Other (attach description & documentation)
12, insignificant units	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not in Compliance <input type="checkbox"/> Not Applicable	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Records kept & reported <input type="checkbox"/> Other (attach description & documentation)
13, NO <sub>x</sub>	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not in Compliance <input type="checkbox"/> Not Applicable	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Fuel Records kept <input type="checkbox"/> Other (attach description & documentation)
14 & 15, NSPS Subpart A	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not in Compliance <input type="checkbox"/> Not Applicable	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Records kept & applicable notifications submitted <input type="checkbox"/> Other (attach description & documentation)
19-23, NSPS Subpart III	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not in Compliance <input type="checkbox"/> Not Applicable	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Records kept & reported <input type="checkbox"/> Other (attach description & documentation)
24-26, NESHAP Subpart ZZZZ	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not in Compliance <input type="checkbox"/> Not Applicable	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Records kept & applicable reports submitted <input type="checkbox"/> Other (attach description & documentation)
30, admin fees	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not in Compliance <input type="checkbox"/> Not Applicable	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Fees paid <input type="checkbox"/> Fees not paid <input type="checkbox"/> Other (attach description & documentation)
31, emission fees	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not in Compliance <input type="checkbox"/> Not Applicable	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Fees paid upon billing <input type="checkbox"/> Fees not paid <input type="checkbox"/> Other (attach description & documentation)
32, emission fees	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not in Compliance <input type="checkbox"/> Not Applicable	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Fee Form Submitted ____/____/____ <input type="checkbox"/> Form Not Submitted <input type="checkbox"/> Other (attach description & documentation)
33, dilution	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not in Compliance <input type="checkbox"/> Not Applicable	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> units do not allow for dilution of exhaust <input type="checkbox"/> units allow for dilution, but dilution not used during compliance tests <input type="checkbox"/> Other (attach description & documentation)

Condition	Compliance Status	Continuous/ Intermittent	Method Used to Determine Compliance
34, fugitive dust	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not in Compliance <input type="checkbox"/> Not Applicable	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Records kept <input type="checkbox"/> Other (attach description & documentation)
35, stack injection	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not in Compliance <input type="checkbox"/> Not Applicable	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Records kept <input type="checkbox"/> Other (attach description & documentation)
36, air pollution	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not in Compliance <input type="checkbox"/> Not Applicable	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Records kept & reported <input type="checkbox"/> Other (attach description & documentation)
37, asbestos	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not in Compliance <input type="checkbox"/> Not Applicable	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Records kept and Reported <input type="checkbox"/> No asbestos demolition/renovation done <input type="checkbox"/> Other (attach description & documentation)
38, open burning	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not in Compliance <input type="checkbox"/> Not Applicable	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> No burning conducted <input type="checkbox"/> Other (attach description & documentation)
39, requested tests	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not in Compliance <input type="checkbox"/> Not Applicable	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Test not requested <input type="checkbox"/> Test requested and conducted <input type="checkbox"/> Other (attach description & documentation)
40-42, source tests	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not in Compliance <input type="checkbox"/> Not Applicable	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Test not conducted <input type="checkbox"/> Test conducted and records kept <input type="checkbox"/> Other (attach description & documentation)
43-47, source tests	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not in Compliance <input type="checkbox"/> Not Applicable	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Test not conducted <input type="checkbox"/> Test conducted and reported <input type="checkbox"/> Other (attach description & documentation)
48, records kept	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not in Compliance <input type="checkbox"/> Not Applicable	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Records kept <input type="checkbox"/> Records not kept <input type="checkbox"/> Other (attach description & documentation)
49, certification	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not in Compliance <input type="checkbox"/> Not Applicable	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> reports are certified <input type="checkbox"/> reports are not certified <input type="checkbox"/> Other (attach description & documentation)
50, submittals	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not in Compliance <input type="checkbox"/> Not Applicable	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> reports are submitted as directed <input type="checkbox"/> reports are not submitted as directed <input type="checkbox"/> Other (attach description & documentation)
51, information requests	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not in Compliance <input type="checkbox"/> Not Applicable	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> No information requests <input type="checkbox"/> Information provided timely <input type="checkbox"/> Other (attach description & documentation)
52, excess emissions	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not in Compliance <input type="checkbox"/> Not Applicable	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> No excess emissions or deviations generated <input type="checkbox"/> Excess emissions and deviation reports filed
53, operating reports	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not in Compliance <input type="checkbox"/> Not Applicable	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> January through June Report submitted timely <input type="checkbox"/> July through December Report submitted timely
54, annual compliance	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not in Compliance <input type="checkbox"/> Not Applicable	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Compliance Certification submitted to EPA and ADEC timely <input type="checkbox"/> Compliance Certification not submitted to EPA and ADEC timely
55, emission inventory	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not in Compliance <input type="checkbox"/> Not Applicable	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Emission inventory submitted <input type="checkbox"/> Other (attach description & documentation)

Condition	Compliance Status	Continuous/ Intermittent	Method Used to Determine Compliance
57, off permit change	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not in Compliance <input type="checkbox"/> Not Applicable	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Records kept & written notice provided <input type="checkbox"/> Other (attach description & documentation)
58, operational flexibility	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not in Compliance <input type="checkbox"/> Not Applicable	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Notification provided <input type="checkbox"/> Other (attach description & documentation)
61, permit renewal	<input type="checkbox"/> In Compliance <input type="checkbox"/> Not in Compliance <input type="checkbox"/> Not Applicable	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	<input type="checkbox"/> Renewal submitted <input type="checkbox"/> Other (attach description & documentation)

### Certification:

**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.**

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Responsible Official Signature: \_\_\_\_\_ Date: \_\_\_\_\_