Checklist Application for Natural Gas Fired Power Plant Approvals Between 1 and 10 MW

This application form outlines the information requirements for obtaining an approval under the *Environmental Protection and Enhancement Act* (EPEA) and the Approvals and Registrations Procedure Regulation for natural gas fired power plants that have a rated production output of between 1 and 10 megawatts.

Fully completing all sections of the form below, including all required attachments, and submitting the applicable application fee constitutes an administratively complete application. However, pursuant to section 5 of the Approvals and Registrations Procedure Regulation, the Director may request additional information or supporting documentation to complete the technical review. The Director shall not review an application for the purpose of making a decision until the application is complete. Once the form has been filled out, email the signed form and attachments to epa.epeaapplications@gov.ab.ca.

The person signing the application, in the capacity indicated in Section 10 – Authorization of Application for Approval by Owner or Agent, must confirm that they have personally reviewed all information included and referenced in the application. By signing, the individual affirms that, to the best of their knowledge, the information provided is accurate, reflects the company's existing records, is complete, complies with Environment and Protected Areas' requirements, and is not false or misleading in any material respect.

1. Applicant Information

Name of Person Responsible

Name of Company

Name of Project/Plant

Address of Person Responsible

Phone Number

Email Address

2. Activity Confirmation

a. Confirm that the Activity is a Power Plant between 1 MW and 10 MW.

☐ Yes, confirmed

3. Project Location, Size and Description

a. Location (Legal Land Description - LSD-Sec-Twp-Rge-W#M)

c. Capacity of the Power Plant (in MW)

b. Municipality

d. Area of the Power Plant Site (in m^2)

e. Make and Model of Generating Unit(s)

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f. Number of Generating Units

g. Confirm that the generating units are fueled by natural gas.

☐ Yes, confirmed

h. Confirm that the equipment data sheet(s) for each generating unit is attached.

☐ Yes, confirmed

i. Confirm that a diagram(s) (to scale) of the site, generating units, stacks, and surrounding landuse is attached.

☐ Yes, confirmed

j. Confirm the AUC decision for this power plant has been obtained, and is attached to this application.

☐ Yes, confirmed

k. Confirm that an Environmental Impact Assessment was not required for the project.

☐ Yes, confirmed

l. Confirm that no other EPEA approvals or registrations were issued to the applicant in respect of the activity.

☐ Yes, confirmed

m. What is the proposed (or actual) construction commencement date? DD-MM-YYYY

n. What is the anticipated duration (in number of years) of the operation of the power plant?

o. What is the proposed (or actual) operations commencement date? DD-MM-YYYY

4. Substance Release Information

a. List the substances and amount of each substance that will be released to the environment for each generator. If more than one make/model of generator is proposed, see last page for additional tables.

Title:

Air Emission Substance	Emission Intensity (kg/MW-hr)	Emission Rate (kg/hr) from each stack
NO_x		
CO		
$PM_{2.5}$		
H_2S		
SO_2		
Other:		
Other:		
Other:		

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b. Confirm that the NO_x emissions are below the Emission Intensity Limits.
(see Guidance for Managing Nitrogen Oxide Emissions from Reciprocating Engines Used for Electricity Generation, 2025, as amended)

☐ Yes, confirmed

c. Confirm that the air quality assessment report was completed in accordance with the Air Quality Modelling Guidelines.
(see Air Quality Modelling Guideline, 2021, as amended)

☐ Yes, confirmed

d. Confirm that the input and output model control files are attached.

☐ Yes, confirmed

e. Confirm that the model results show that there are no predicted exceedances of the AAAQO&Gs.
(see Alberta Ambient Air Quality Objectives and Guidelines, 2024, as amended)

☐ Yes, confirmed

f. Describe the method(s) used to reduce the amount of substances released, including any post-combustion pollution abatement.

g. How is the release of these substances to the environment justified? (e.g. benefits from the project that balance the associated substance release)

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5. Waste Management and Minimization

a. How will waste be minimized?

b. Confirm that a list of the wastes that will or may be produced, the approximate quantities, their waste classification, method of storage, and the method of final disposition is attached. (Refer to Hazardous Waste Storage Guidelines, Alberta Environment,1988)

☐ Yes, confirmed

6. Conservation and Reclamation

a. Describe any impact, including surface disturbance, that will or may occur as a result of the power plant.

b. Identify the person or corporation that will be responsible for the conservation and reclamation of the site.

(i) If answer above is the same as applicant, confirm that a conservation and reclamation plan is attached.

☐ Yes, confirmed, OR

(ii) If answer above is a third party, confirm relevant documentation regarding these obligations are attached.

☐ Yes, confirmed

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7. Unplanned Events

a. Confirm that emergency response plans have been filed with the local authority, as may be required.

☐ Yes, confirmed

b. Confirm that there is a contingency plan for unforeseen sudden or gradual releases to the environment.

☐ Yes, confirmed

8. Public Consultation

a. Describe any public consultation undertaken or proposed.

b. Confirm that the Aboriginal Consultation Office's Pre-Consultation Assessment Recommendation is attached.

☐ Yes, confirmed

9. Other Information

a. Provide any other information you think is relevant to the project and should be considered by the Director.

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10. Authorization of Application for Approval by Owner or Agent

This application must be submitted in accordance with the *Environmental Protection and Enhancement Act*.

An application for an Approval shall not be deemed to be filed until all the information, documents and authorizations referenced in the application, and the appropriate fee, has been received by Environment and Protected Areas.

The application must be complete before review and processing of the application takes place.

The application must be signed by the owner, or agent for the owner, using the signature block below.

Name

Title

Company

Date of Application (mm/dd/year)

Signature

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Title:

Air Emission Substance	Emission Intensity (kg/MW-hr)	Emission Rate (kg/hr) from each stack
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CO		
$PM_{2.5}$		
H_2S		
SO_2		
Other:		
Other:		
Other:		

Title:

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Other:		
Other:		

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