



# Application for a Permit to Operate an Asphalt Plant

**Pursuant to section 4 of the *Environmental Protection Act* Air  
Quality Regulations**

Personal information on this form is collected under Section 31(c) of the *Environmental Protection Act*, Air Quality Regulations, as it relates directly to and is necessary for an application for a Permit to Operate an Asphalt Plant. If you have any questions about this collection of personal information, you may contact the Department at 11 Kent Street, PO Box 2000, Charlottetown, PE C1A 7N8, (902-368-5830).

## INSTRUCTIONS

Sections should be completed clearly and in as much detail as possible. Some sections do not have to be completed for renewals and/or alterations to an existing operation if the information has not changed since the last application. Any additional information requested should be securely attached to the application form and labelled with respect to the section to which it belongs.

<b>Section 1 – Applicants, Declaration and Contact</b>		
<b>A. Company Information</b>		
Name of Company:		
Contact Person:		
Company Mailing Address:		
Email:	Postal Code:	
Work Phone:	Cell:	Fax:
<b>B. Plant Information</b>		
Plant Location:	Property Tax No.:	
Plant Operator:	Telephone #:	
Permit Type: <input type="checkbox"/> New <input type="checkbox"/> Existing Operation (renewal) <input type="checkbox"/> Alteration to an Existing Operation		
Plant Details:    (i) <input type="checkbox"/> Permanent <input type="checkbox"/> Mobile		
(ii) <input type="checkbox"/> Batch Mix <input type="checkbox"/> Continuous Mix <input type="checkbox"/> Drum Mix		
(iii)    Make: _____ Model: _____ Year: _____		
<b>C. Declaration by Applicant</b>		
Applicant Name (Print):	Title/Position:	
Signature:	Date	

## Section 2 – Site Information (please attach a separate sheet)

### A. Surrounding Area

Attach an 8.5" x 11" map of the area within 500 m of the land on which the asphalt plant is located or is proposed to be located, showing:

- (i) the topography of the area, including land contours;
- (ii) the location and description of existing buildings in the area;
- (iii) the property boundaries of the plant site;
- (iv) land use of the area; and
- (v) the scale of map and direction of north.

- Information attached on separate sheet       Information has not changed since last application (can be skipped if the information is the same as previous application)

### B. Plant Layout

Attach an 8.5" x 11" site plan of the site on which the asphalt plant is located or is proposed to be located, showing:

- (i) the location of the asphalt plant and all material storage;
- (ii) the points or areas of emissions of all contaminants and their elevation;
- (iii) the location and description of all buildings on the site;
- (iv) the location of all air contaminants control equipment; and
- (v) the approximate scale of the drawing and the direction of north (an example of a site plan is provided at the end of the application)

- Information attached on separate sheet       Information has not changed since last application (can be skipped if the information is the same as previous application)

## Section 3 – Process Description

### A. General Description

Submit a brief written description of the process accompanied by a flow diagram showing the major pieces of the processing equipment (an example of a flow diagram is provided at the end of the application).

- Information attached on separate sheet       Information has not changed since last application (can be skipped if the information is the same as previous application)

### B. Production Data

Maximum Plant Processing Capacity (include units of measure, e.g. US tons /hour): \_\_\_\_\_

List the raw materials, chemicals, or other processing materials that are to be used:

Materials	Use/description
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

**C. Operation Schedule**

Season Begins (date):	Season Ends (date):	
Daily Start (hour):	Daily End (hour):	Weekly Operation (e.g. Mon-Fri):

**D. Water Supply and Waste Water**

Source of Water:  Not Required  
 Water Source Details (well size/average demand): \_\_\_\_\_

Settling Pond:  Dimensions (width/length/depth): \_\_\_\_\_  Same as Last Application

**E. Waste Disposal**

Describe wastes and methods proposed for disposal (e.g. pond sludge, waste oil, contaminated soil, etc.):

Waste	Disposal Method
_____	_____
_____	_____
_____	_____
_____	_____

## Section 4 – Emission Related Information

### A. Dryer Particulate Emissions

Primary Control Devices (course particles):

- Expansion chamber       Skinners  
 Cyclone  
 Other: \_\_\_\_\_

Estimated reduction efficiency % (if known): \_\_\_\_\_      Manufacturer's projected emission rate: \_\_\_\_\_

Secondary Control Devices (fine particulates):

- Centrifugal Scrubbers (make/model/year): \_\_\_\_\_  
 Orifice Scrubbers (make/model/year): \_\_\_\_\_  
 Venturi Scrubbers (make/model/year): \_\_\_\_\_  
 Fabric Filter (make/model/year): \_\_\_\_\_  
 Other (make/model/year): \_\_\_\_\_

Estimated Reduction Efficiency % (if known): \_\_\_\_\_      Manufacturer's Projected Emission Rate: \_\_\_\_\_

Stack Dimensions:

- (i) Height Above Grade: \_\_\_\_\_  
(ii) Diameter: \_\_\_\_\_

### B. Fugitive Emissions

- (i) Referring to the flow diagram examples at the end of the application, identify and describe all possible sources of fugitive emissions (i.e. those that do not emanate through a stack, e.g. liquid asphalt tanks, hot mix asphalt concrete conveyor/discharge system).

Source	Description
_____	_____
_____	_____
_____	_____
_____	_____

(ii) Describe the preventative measures (if any) that are taken to reduce the fugitive emissions identified immediately above:

Source	Preventative Measure
_____	_____
_____	_____
_____	_____
_____	_____

**C. Burner Emissions**

Burner Details:

- (i) Make: \_\_\_\_\_ Model: \_\_\_\_\_ Year: \_\_\_\_\_
- (ii)  Draft, Noise Control: \_\_\_\_\_  Forced Draft
- (iii)  Combustion Chamber Type  Chamber-less Type
- (iv) Fuel Type: \_\_\_\_\_ Maximum Rate of Consumption (amount per unit of time): \_\_\_\_\_

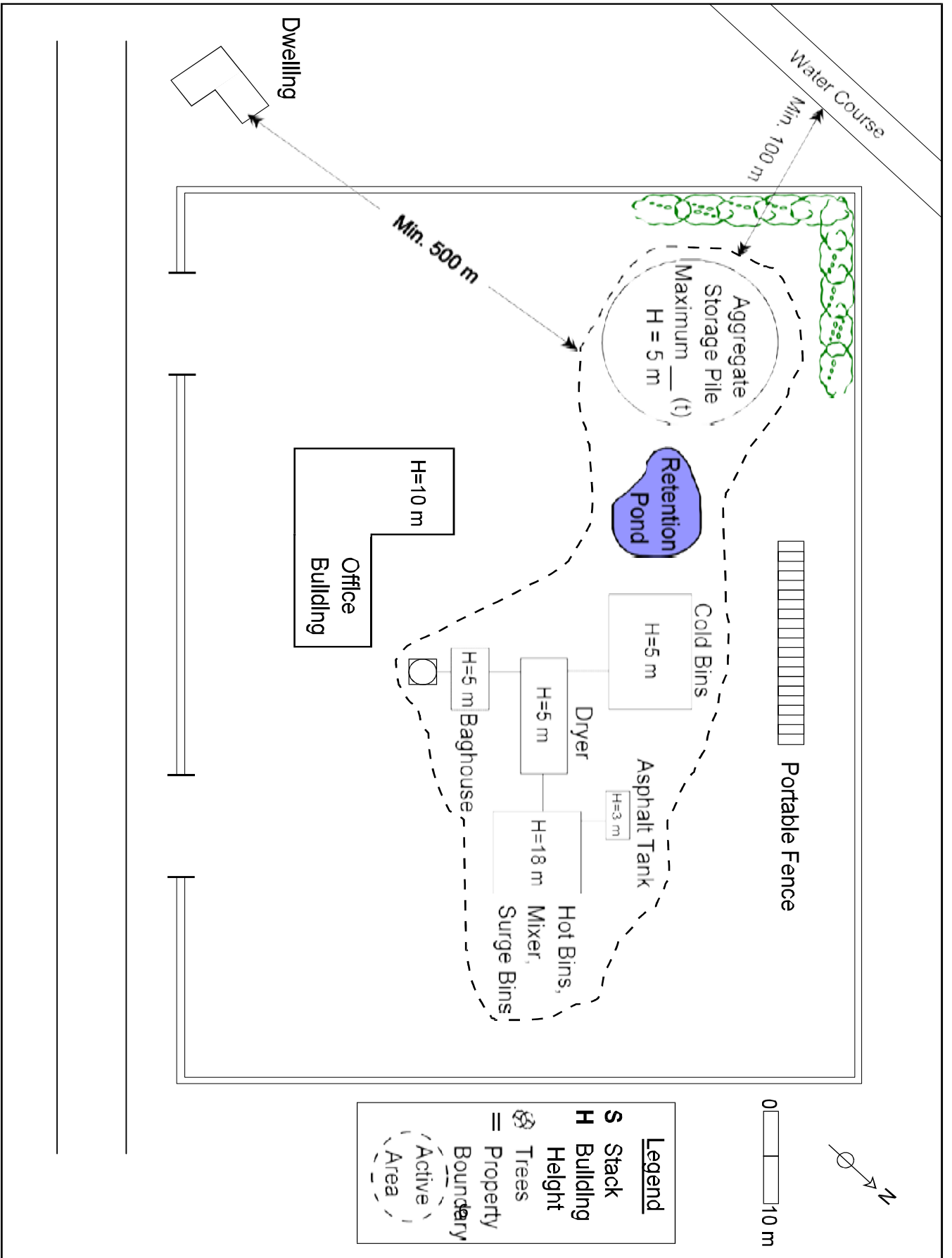
**D. Monitoring Equipment**

Describe any equipment designed to monitor the asphalt production process or the release of emissions (e.g. temperature, opacity meter, etc.):

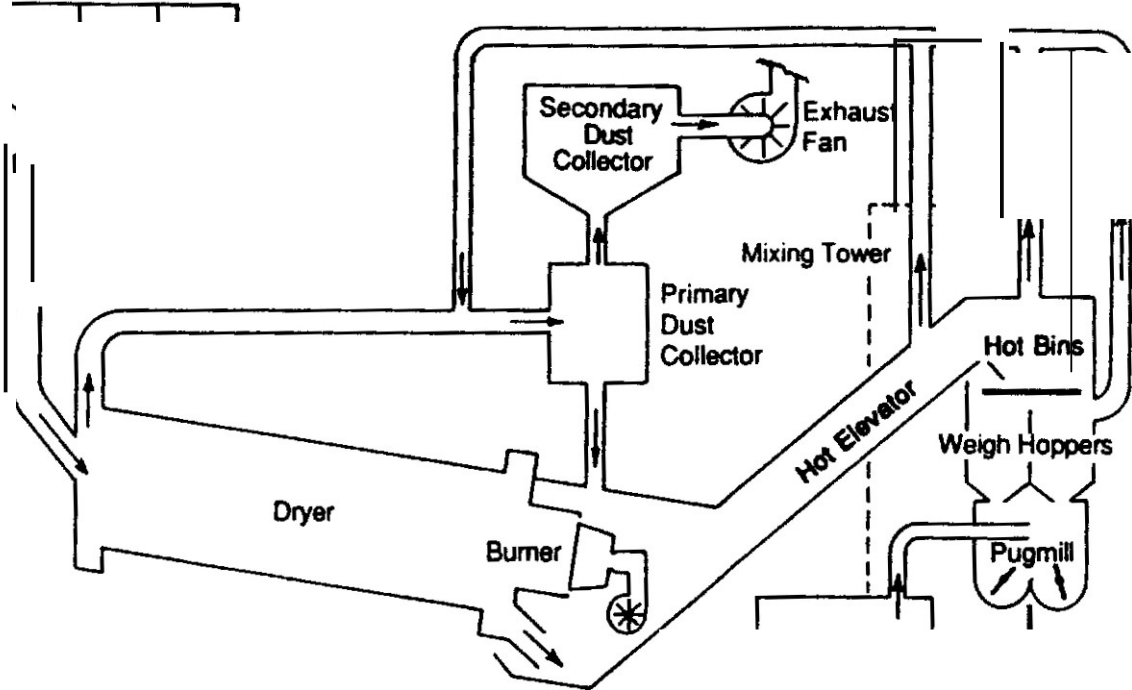
**Completed applications, accompanied by the appropriate fee, can be submitted to:**

Department of Environment, Water and Climate Change  
Water and Air Monitoring Section  
11 Kent Street, PO Box 2000  
Charlottetown, PEI C1A 7N8  
Phone: (902) 368-5014  
Fax: (902) 368-5830  
E-mail: [seledgerwood@gov.pe.ca](mailto:seledgerwood@gov.pe.ca)

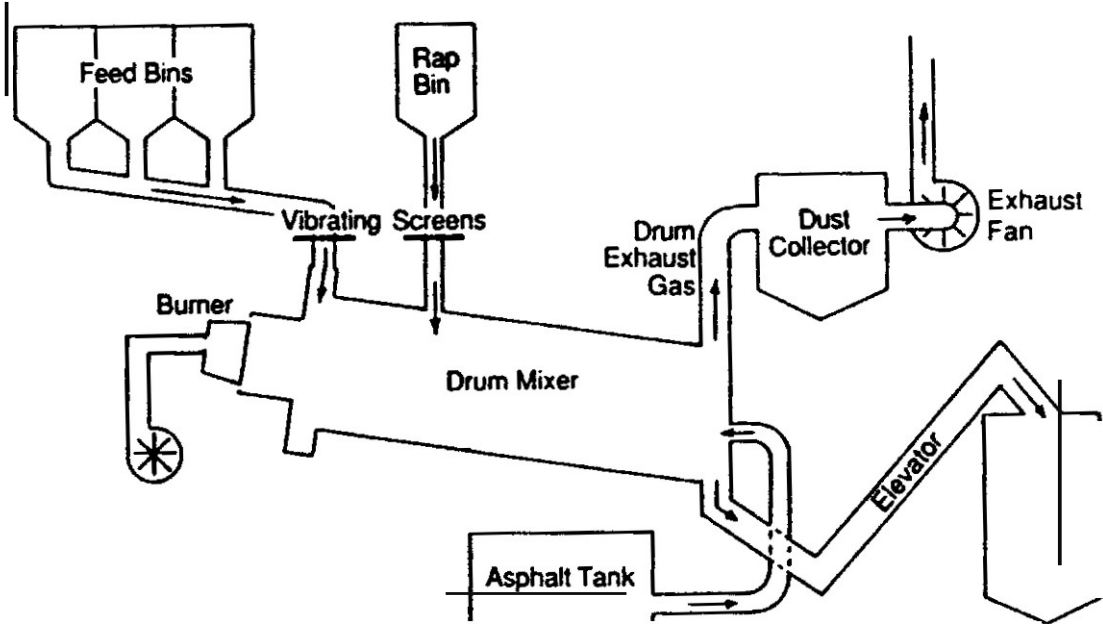
# SITE PLAN EXAMPLE



# FLOW DIAGRAM EXAMPLES



Batch Mix Process Facility



Parallel-Flow Mix Process Facility