

Southwest Clean Air Agency

11815 NE 99th Street, Suite 1294, Vancouver, WA 98682-2322 Voice: (360) 574-3058 Fax: (360) 576-0925

AIR DISCHARGE PERMIT APPLICATION - STAGE II GASOLINE STATIONS AND OTHER GASOLINE DISPENSING FACILITIES

Application Fee \$500 + Review Fee \$700 = \$1,200 (to be submitted with application)
(For combined Stage I and Stage II applications Application Fee \$500 + Review Fee \$800 = \$1,300 - both applications must be submitted)
(Stage I and Stage II requirements do not apply to diesel, natural gas or kerosene storage tanks)

APPLICANT NAME	ADDRESS	PHONE	FAX
OWNER/OPERATOR NAME	ADDRESS	PHONE	FAX
STATION NAME	ADDRESS	PHONE	FAX
STATION ID	TYPE OF INSTALLATION <input type="checkbox"/> New <input type="checkbox"/> Relocate <input type="checkbox"/> Replace <input type="checkbox"/> Expand <input type="checkbox"/> Upgrade <input type="checkbox"/> Other _____		
INSTALLED COST OF EQUIPMENT	ESTIMATED START DATE	ESTIMATED COMPLETION DATE	OPERATING SCHEDULE (circle appropriate days) _____ AM TO _____ PM S M T W T F S

INSTALLATION CONTRACTOR:			
Name	Address	Phone	Fax
Total Storage Capacity _____ gallons	Annual Throughput _____ gallons	Stage I previously installed? <input type="checkbox"/> yes <input type="checkbox"/> no	
Spill / Overfill Protection Provided: <input type="checkbox"/> no <input type="checkbox"/> yes Manufacturer: _____ Model _____ Size _____ gallons			
Dispenser Style: <input type="checkbox"/> Balance Style <input type="checkbox"/> With High Hang, or <input type="checkbox"/> Side Mount <input type="checkbox"/> Balance System <input type="checkbox"/> Vacuum Assist			
DISPENSING EQUIPMENT:			
Manufacturer	Model	Quantity	Notes:
Vapor Recovery System Name: _____	_____	_____	Only CARB certified equipment shall be used as originally tested and certified in the CARB configuration. All swivels are optional; however, if used, they must be approved. Station must not dispense gasoline while breakaway is disconnected. Proper location of hose clamps and retractors must be maintained at all times.
Nozzles: _____	_____	_____	
Hoses: _____	_____	_____	
Splitter: _____	_____	_____	
Dispensers: _____	_____	_____	
Breakaways: _____	_____	_____	
Vacuum Pump: _____	_____	_____	
Swivels/Elbows: _____	_____	_____	
Retractors: _____	_____	_____	
Pressure/Vacuum Valve _____	_____	_____	

I do hereby certify that the information contained in this Air Discharge Permit application is, to the best of my knowledge, accurate and complete.

(Signature) _____ (Title) _____ (Representing) _____ (Date) _____

AUTHORITY USE ONLY	
SWCAA ID #: _____	NOC #: _____
Appl Fee: \$500 Date: _____	SIC #: _____
Review Fee: \$700 Date: _____	Receipt #: _____

AUTHORITY USE ONLY
Date Stamp

1. Submit only one copy of the Stage II application; if Stage I equipment is to be replaced at the time of Stage II upgrade, include a Stage I application with the Stage II application.
2. Indicate if storage tanks are being replaced; if so include a Stage I application. Indicate if dispensers are being replaced; indicate type, manufacturer and model of spill/overflow containers; if none provided, so state. Indicate manufacturer and model of any tank monitoring equipment.
3. Include a description of the project along with one set of drawings, a list of equipment to be installed, and a scope of work.
4. Payment must be made with the application and the application must be complete before the application can be processed.
5. Include with the submittal a completed SEPA determination. If no determination has been made, then submit a completed SEPA checklist.
6. Construction may commence after the final Air Discharge Permit is issued.

EMISSION ESTIMATES FOR FACILITIES EQUIPPED WITH STAGE I AND STAGE II CONTROLS *

Estimated annual gasoline throughput for the facility: _____ gallons (not including diesel, natural gas or kerosene)

FACILITIES WITH NO STAGE I OR STAGE II CONTROLS

EMISSION RATES FOR:

Submerged filling	=	7.3 lb / 1000 gal
Underground tank breathing and emptying	=	1.0 lb / 1000 gal
Vehicle refueling	=	11.0 lb / 1000 gal
Vehicle refueling - spillage	=	0.7 lb / 1000 gal
		=====
		20.0 lb / 1000 gal

Emissions calculations:

$$\frac{20.0 \text{ lb}}{1000 \text{ gal}} \times \frac{\text{_____ gal}}{\text{year}} \times \frac{1 \text{ ton}}{2000 \text{ lb}} = \text{_____ tons/yr}$$

Emissions from stations with Stage I controls are based on 13.0 lb/1000 gal - see Stage I application.

FACILITIES WITH STAGE I AND STAGE II CONTROLS

EMISSION RATES FOR:

Balanced submerged filling	=	0.3 lb / 1000 gal
Underground tank breathing and emptying	=	1.0 lb / 1000 gal
Vehicle refueling	=	1.1 lb / 1000 gal
Vehicle refueling - spillage	=	0.7 lb / 1000 gal
		=====
		3.1 lb / 1000 gal

Emissions calculations:

$$\frac{3.1 \text{ lb}}{1000 \text{ gal}} \times \frac{\text{_____ gal}}{\text{year}} \times \frac{1 \text{ ton}}{2000 \text{ lb}} = \text{_____ tons/yr}$$

* Emission factors are from EPA AP-42, Section 5.2, "Transportation and Marketing of Petroleum Liquids", 1/95