



FOR OFFICE USE ONLY
Permit #(s) _____
Date: _____

**MONROE FIRE DEPARTMENT**

163 Village Court • Monroe, WA 98272  
Phone: (360) 794-7666 • Fax: (360) 794-0959  
[www.monroefire.org](http://www.monroefire.org)

**SUBMIT TO: CITY OF MONROE PERMIT DEPARTMENT**

806 West Main Street • Monroe, WA 98272  
Phone: (360) 794-7400 • Fax: (360) 794-4007  
[www.ci.monroe.wa.us](http://www.ci.monroe.wa.us)

**INDUSTRIAL OVENS 105.6.24**  
**OPERATIONAL PERMIT APPLICATION**

An operational permit is required for operation of industrial ovens regulated by Chapter 21.  
(See page 3 for applicable ovens)

**Permit Submittal Hours Monday through Friday:**

Building, Fire & Land Use permits: 9:00 am – 12:00 pm & 2:00 pm – 4:00 pm  
**Verify Current Fee Schedule with Permit Staff Before Submitting Application**  
[http://www.monroefire.org/fire\\_marshall/forms/permit/fire\\_fee\\_schedule.pdf](http://www.monroefire.org/fire_marshall/forms/permit/fire_fee_schedule.pdf)

**THIS APPLICATION WILL NOT BE ACCEPTED WITHOUT COMPLETED SUBMITTAL REQUIREMENTS (SEE PAGE 2)**

Site Address or Property Location: \_\_\_\_\_

Size of site (acre/square feet): \_\_\_\_\_

Assessor's Tax Parcel Number (14 digits): \_\_\_\_\_

Applicant: \_\_\_\_\_ Phone # (\_\_\_\_) \_\_\_\_\_

\*Signature: \_\_\_\_\_ Printed Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_ Fax # (\_\_\_\_) \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ E-mail \_\_\_\_\_

Property Owner: \_\_\_\_\_ Phone # (\_\_\_\_) \_\_\_\_\_

\*\*Signature: \_\_\_\_\_ Printed Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_ Fax # (\_\_\_\_) \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ E-mail \_\_\_\_\_

**ATTACH A SEPARATE SHEET FOR ADDITIONAL PROPERTY OWNERS/ADDITIONAL ADDRESSES**

\*Applicant: By your signature above, you hereby certify that the information submitted is true and correct and that you are authorized by the property owner(s) to act on their behalf.\*\*Property Owner(s): By your signature above, you hereby certify that you have authorized the above Applicant to make application on your behalf for this application.

Is this application a **Renewal of an Existing Operational Permit?**

**Yes - Complete this Page Only**

**No - Continue to Page 3 for Submittal Requirements**

**RENEWAL SECTION (Complete this section only if this application is a renewal of an existing operational permit)**

Permit # of Previous Operational Permit: \_\_\_\_\_

Describe all changes in the operations or hazards covered under this permit since this Operational Permit was last issued.

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No Changes since Permit was last issued

**Do not complete or attach other pages. Submit pages 1 and 2 of this application as your RENEWAL application, along with current permit fees (contact Permit Department for a fee estimate). A fire inspector will contact you at your place of business to conduct an inspection of the operations or hazards covered under this permit. After a satisfactory inspection of these operations your Operational Permit will be renewed.**

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Plan Check Fee: \$ _____	Permit Fee: \$ _____
Fire Plan Check Fee: \$ _____	State Fee: \$ _____

# **SUBMITTAL REQUIREMENTS**

## **OPERATIONAL PERMIT – IFC 105.6.24**

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### **APPLICABLE INDUSTRIAL OVENS AND FURNACES:**

**FURNACE CLASS A.** An oven or furnace that has heat utilization equipment operating at approximately atmospheric pressure wherein there is a potential explosion or fire hazard that could be occasioned by the presence of flammable volatiles or combustible materials processed or heated in the furnace.

**Note:** Such flammable volatiles or combustible materials can, for instance, originate from the following:

1. Paints, powders, inks, and adhesives from finishing processes, such as dipped, coated sprayed and impregnated materials.
2. The substrate material.
3. Wood, paper and plastic pallets, spacers or packaging materials.
4. Polymerization or other molecular rearrangements.

Potentially flammable materials, such as quench oil, water-borne finishes, cooling oil or cooking oils that present a hazard are ventilated according to Class A standards.

**FURNACE CLASS B.** An oven or furnace that has heat utilization equipment operating at approximately atmospheric pressure wherein there are no flammable volatiles or combustible materials being heated.

**FURNACE CLASS C.** An oven or furnace that has a potential hazard due to a flammable or other special atmosphere being used for treatment of material in process. This type of furnace can use any type of heating system and includes a special atmosphere supply system. Also included in the Class C classification are integral quench furnaces and molten salt bath furnaces.

**FURNACE CLASS D.** An oven or furnace that operates at temperatures from above ambient to over 5,000°F (2760°C) and at pressures normally below atmospheric using any type of heating system. These furnaces can include the use of special processing atmospheres.

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- a. Verify that the manual fuel shutoff valve is accessible and operable.
- b. Verify that the interlocks shut down the conveyors and sources of flammable and combustible materials when either the exhaust or recirculation air supply fails.
- c. Verify that the furnace's system information is legible and intact. An approved, clearly worded, and prominently displayed safety design data form or manufacturer's nameplate shall be provided stating the safe operating condition for which the furnace system was designed, built, altered or extended.
- d. Verify that the oven nameplate is legible and intact. Safety data for Class A solvent atmosphere ovens shall be furnished on the manufacturer's nameplate. The nameplate shall provide the following design data:
  - a. The solvent used.

- b. The number of gallons (liters) used per batch or per hour of solvent entering the oven.
- c. The required purge time.
- d. The oven operating temperature.
- e. The exhaust blower rating for the number of gallons (liters) of solvent per hour or batch at the maximum operating temperature.

**Exception: For low-oxygen ovens, the maximum allowable oxygen concentration shall be included in place of the exhaust blower ratings.**

- e. Verify that all Fire Alarm systems have been tested / inspected within the last calendar year. The Fire Alarm test/inspection is good for a year from the tested date.
- f. Verify that the Fire sprinkler system(s) have been tested / inspected within the last calendar year. The Fire Sprinkler System test/inspection is good for a year from the tested date.
- g. Verify that fire extinguishers are not closer than 15 feet or a maximum of 50 feet from the oven or furnace. Check fire extinguishers to be sure that they have been inspected and tagged by a qualified person. Certification good for one year from tagged date.

**NOTE: A FIELD INSPECTION WILL BE PERFORMED TO DETERMINE ANY ADDITIONAL REQUIREMENTS.**