



Clark County Department of Building & Fire Prevention

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FIRE PREVENTION: PERMIT GUIDE

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FLAMMABLE/COMBUSTIBLE LIQUIDS

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This guide is to assist in the process of obtaining an annual renewable operational permit Flammable/Combustible(F/C) liquid operations, storage or use. A permit is required per sections 105.6.16 and 105.7.9 of the IFC for continued operation and construction respectively. These are for:

- Operation of a pipeline within a facility.
- Operation of F/C equipment, i.e. tanks, plants, fuel stations, distilleries, refineries.
- Storage and Use.

A permit is required for storage of F/C liquids when the amount in storage exceeds the following:

- Flammable Liquid (flashpoint < 100 °F): 5 gallons indoors / 10 gallons outdoors
- Combustible Liquid (flashpoint > 100 °F): 25 gallons indoors / 60 gallons outdoors

APPLICABLE CODES:

The following codes and standard apply to this permit.

- *International Fire Code*, 2018 edition (IFC)
- *Clark County Fire Code Amendments*, 2018 edition (CCFC)
- *Flammable and Combustible Liquids Code*, 2018 edition NFPA 30

Link to CCFC: See the amendments to codes using the link below:

https://cms8.revize.com/revize/clarknv/Building%20&%20Fire%20Prevention/Codes/ClarkCounty_FireCodeAmendments2018.pdf?t=1598331770575&t=1598331770575

SUBMITTAL REQUIREMENT CHECKLIST:

The listed requirements in this guide are not intended to be all inclusive, nor do they entail a limit to the extent of the information, etc., which may be necessary to properly evaluate the submitted plans and documents. Not all items may apply to your project.

Construction Documents: The submittal shall include all information per CCFC section 5001.5.2.

Provide all applicable information that pertains to your permit;

1. Project name, address, and APN (Assessor's Parcel Number).
2. Contractor's/Owner's contact information.
3. Hazardous Materials Inventory Statement (HMIS) or /MSDS for all liquids. Ensure the quantities, types of F/C liquids and their flashpoints are provided.
4. Overall Site Plan showing the location of the operation or tanks on the property, distance between storage tank(s), nearest habitable structure, property line, and public ways.
5. List of vessels, piping, valves and equipment that will use, store, process, or transport F/C liquids. Note which engineering design criteria has been used for vessels, piping, valves or equipment design (i.e. UL 143, API 650, ASME B31.3, etc.)
6. Diagram of the location, size and height above grade of the normal tank vents.
7. List or diagram of bonding/grounding devices.

8. Manufacture's data of information sheets proving appropriate UL listing of tanks, piping, and valves. Example: data sheets proving that the equipment is listed for petroleum fuels with alcohol additives.
9. Diagram of the method, location and volume of secondary containment as required when MAQ is exceeded.
10. A diagram of the type and location of vehicle impact protection.
11. Buoyancy calculations for underground storage tanks proving gravity force exceeding buoyant force by a safety margin of 20%.

PLEASE NOTE:

When F/C liquids are being dispensed into motor vehicle tanks from a remote pump, an additional separate Motor Fuel Dispensing Permit must be obtained. Flammable fuels (Class I; such as gasoline) must be stored in tank listed per the *Standard for Safety UL-2085* and Combustible Fuels (Class II; such as diesel) must be stored in a tank listed per the *Standard for Safety UL-142*.

PERMIT DURATION:

Flammable/Combustible Liquid Storage are Operational Permits and are limited to a duration of 1 year and shall be renewed annually. If any changes are made to the storage arrangement; revisions will need to be submitted.

HOW TO SUBMIT:

Plans are to be submitted electronically. Paper plans are no longer accepted. Files should be uploaded via the Clark County Citizen Access Portal:

<https://citizenaccess.clarkcountynv.gov/CitizenAccess/Default.aspx>

Upload separate **consolidated** .PDF files with all the documents that apply to your project.

COMMUNICATION:

Once your plans are submitted you will receive a permit number (example= FP20-00000). Plan status can be viewed by logging into your account in the Customer Portal and typing in your fire permit number. <https://citizenaccess.clarkcountynv.gov/CitizenAccess/Default.aspx>

CONTACT PERSON ON APPLICATION: Ensure the correct contact person is provided on the application as this will be the correspondent who receives all the email updates on the permit status once plan is submitted.

ADDITIONAL INFORMATION NEEDED: If you receive this request Fire Annual/Operational In-take has reviewed your submittal and there is additional action needed for the plan to be placed back in the Review Queue.

PLANS APPROVED: Once plans are approved, and fees are verified; an email will be sent to the contact person. In order for inspections to be scheduled any outstanding **fees** will need to be paid.

PLANS- CORRECTIONS REQUESTED: Once corrections are issued an email will be sent to the contact person indicating the additional changes needed for an approval. Customer will log in to customer portal and download Redlined plans for comment.

FIRE PLAN REVIEW STAFF CONTACT LINK:

<https://cms8.revize.com/revize/clarknv/Building%20&%20Fire%20Prevention/Phone/Fire%20Prevention%20Contact%20LIST.pdf?t=1598331557874&t=1598331557874>

RE-SUBMITTALS, REVISIONS AND RENEWAL:

CORRECTIONS: Corrections will be submitted using the Accela On-Portal. A letter describing the changes shall be provided with your revised submittal. **Please Note:** The Redlined plans are already in the file and do not need to be uploaded again.

REVISIONS: If plans are revised after approval; revisions will need to be submitted and approved prior to **FINAL** sign off. Revisions will be submitted the same way as the original (See Ways to Submit above). All changes should be **clouded and keyed** to Plan Revision# (FP20-00000-R001). A Revision Letter shall also be provided indicating what changes were made and where they occur.

RENEWAL: After approval of your initial permit; the permit will be set up on an automatic reminder. Approximately 30-60days prior to the expiration of your permit, a renewal notice will be emailed to you with instructions for the renewal.

SUBMITTAL SERVICE LEVEL OPTIONS/FEE SCHEDULE:

https://www.clarkcountynv.gov/government/departments/building_fire_prevention/permit_issuance/fees.php

INSPECTION OPTIONS/INSPECTION SCHEDULING:

Use the following link for scheduling permits for construction.

https://www.clarkcountynv.gov/government/departments/building_fire_prevention/inspection/schedule_an_inspection.php

Annual Renewable Permits will be tentatively scheduled upon approval by Fire Prevention Plans Check and payment of all fees. A Clark County Fire Prevention Inspector will contact you.