



Clark County Fire Prevention

Mission Statement: "To provide the highest level of fire protection and related services"

105.8.c.10-1

TITLE: CRYOGENIC LIQUID OXYGEN AND GASEOUS OXYGEN

SCOPE: Cryogenic liquid oxygen and gaseous oxygen storage, use or handling, shall be in accordance with this guide and the requirements contained in the 2005 Clark County Fire Code and NFPA 50

PURPOSE: To provide standardized Clark County Fire Department requirements relating to the installation and permitting of cryogenic liquid oxygen and gaseous oxygen.

SPECIFICATIONS AND REQUIREMENTS

At the time of permit application, three (3) sets of plans, drawn to an indicated scale that is legible, must be submitted for review and approval. Permit fees for this type of submittal vary. The standard permit fee is due upon submittal. Please see the **Clark County Fire Department Permit and Service Fee Schedule** for specific information. Please check our website for plan status. Any additional fees will be indicated on the website. Once the plans have been approved and any outstanding fees have been paid, an inspection can be scheduled.

Our website is <http://www.accessclarkcounty.com/fire/firedept.htm>. To check on plan status, click on the "Plan Status" button and follow the instructions. To schedule an inspection, click on "Services" in the teal strip on the top. On the left side under **Inspection** click on "Fire Inspection" and follow the instructions.

Additionally, approval of any of the electrical systems associated with the cryogenic liquid System must be obtained from the Clark County Building Department.

Three submittal packages are required to be submitted to the CCFD Plans check Division. Submitted packages shall include the following:

- 1) A detailed floor plan indicating exit doors, fire extinguishers, ventilation locations, etc.
- 2) A dimensioned overall site plan indicating the exact location of the cryogenic liquid oxygen and gaseous oxygen containers and/or system.
- 3) If containers only:
 - a. The maximum number of containers at any time
 - b. The size and manufacturer of the containers (size for gaseous shall be in cubic feet; cryogenic liquid shall be in gallons)
 - c. Manufacturer literature identifying the container as approved
- 4) If cryogenic liquid system and gaseous oxygen
 - a. Design of system by persons competent in such design
 - b. Equipment and machinery list and manufacturer literature identifying the item as approved
- 5) If both cryogenic liquid and gaseous containers are on site, we will need all of the listed items in numbers 3 & 4 above.

Permits for cryogenic liquid oxygen and gaseous oxygen handling, use or storage are required to be renewed annually. Should you have further questions, please contact the Planscheck office at 455-7100.