



THE CITY OF SEATTLE
FIRE DEPARTMENT
Fire Marshal's Office
220 Third Ave South
Seattle, WA 98104-2608
(206) 386-1450

PERMIT

7-90277

PERMIT INFORMATION

Expiration Date: 04/01/2009

Permit Issue Date: 05/05/2008
Event Date: N/A
Sta. # / Occ. #: 17, NOT GIVEN
Unit No.: N/A
Contact Person: GARY PEDERSEN
Contact Phone: 206-685-2081
Inspector: SHOE CRAFT

**UW CHEMISTRY DEPT
BOX 351700
SEATTLE, WA 98195
GARY PEDERSEN**

PERMIT CODE(S): 7501
PERMIT TITLE: Non-Flammable Cryogenic Fluids
JOB SITE: 3790 OKANOGAN LN NE-CHEMISTRY BLDG

OPERATIONS PERMITTED: Store and use "Non-Flammable Cryogenic Fluids" at the noted operation address in accordance with applicable provisions of the Seattle Fire Code and the attached conditions.

PERMIT CONDITION(S): *** SEE ATTACHED PERMIT CONDITIONS ***

REMARKS: Change in location, quantity, material or process voids this permit and requires reinspection.

TYPE OF MATERIAL	AMOUNT OF MATERIAL	MATERIAL LOCATION
Liquid Nitrogen	1500 gallons	Chemistry Building Loading Dock.

THIS PERMIT MUST BE POSTED IN A CONSPICUOUS PLACE ON THE PREMISES.

THIS PERMIT MUST BE KEPT TOGETHER WITH ANY ATTACHMENTS ISSUED WITH IT TO BE VALID.

Permission is hereby granted, subject to the provisions of the Seattle Fire Code, to conduct the operations described herein at the location(s) specified in this permit, in accordance with the conditions set forth in this permit or attached hereto.

VIOLATION OF ANY PERMIT CONDITION OR ANY APPLICABLE PART OF THE SEATTLE FIRE CODE SHALL BE GROUNDS FOR REVOCATION OF THIS PERMIT. CONDUCTING OPERATIONS WITHOUT A VALID PERMIT MAY RESULT IN CRIMINAL PROSECUTION.

This permit is not transferable. Any change in ownership or operation address requires a new permit.

STANDARD PERMIT CONDITIONS
PERMIT CODE 7501
CRYOGENIC FLUIDS

1. Containers shall be provided with pressure-relief devices. [1997 SFC Sec. 7501.5.2]
Exception: Portable containers in open use.
2. Such devices shall be readily accessible for inspection and repair. [1997 SFC Sec. 7501.5.2 and 7501.5.5]
3. Visible hazard identification signs shall be provided at entrances to buildings or areas in which cryogenic fluids are stored, handled or used. [1997 SFC Sec. 7501.7.2]
4. Portable containers shall be conspicuously marked or labeled in accordance with nationally recognized standards. Stationary aboveground containers shall be placarded and the contents identified by the attachment of a nameplate in an accessible place. [1997 SFC Sec. 7501.7.3 and 7501.7.4]
5. Containers shall be secured against accidental dislodgment and access by unauthorized personnel. [1997 SFC Sec. 7501.8.1]
6. Containers, piping, valves, pressure-relief devices, regulating equipment and other appurtenances shall be protected against physical damage and tampering. [1997 SFC Sec. 7501.8.5]
7. Portable containers shall be separated from exposure hazards in accordance with the following [1997 SFC Sec. 7501.9.3]:

Exposure Hazard	Minimum separation distance (feet)
Building means of egress	10
Wall openings	1
Air intakes	10
Property lines	5
Room or area means of egress	3
Combustible materials such as paper, leaves, weeds, dry grass	15

8. Containers shall be placed on surfaces that are compatible with the fluid in the container. [1997 SFC Sec. 7501.9.3.1]
9. Leaking, damaged or corroded containers shall be replaced, repaired or removed from service. [1997 SFC Sec. 7501.13]
10. The area surrounding portable containers shall be provided with a means to prevent accidental discharge of fluids from endangering adjacent containers, buildings, equipment or adjoining property. [1997 SFC Sec. 7502.3.2.2]

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11. Aboveground containers shall be provided with substantial concrete or masonry foundations, or structural steel supports on firm concrete or masonry foundations. [1997 SFC Sec. 7501.4.4]
12. Containers shall be supported to prevent the concentration of excessive loads on the supporting portion of the shell. Portions of containers in contact with foundations or saddles shall be protected against corrosion. [1997 SFC Sec. 7501.4.4 and 7501.4.4.2]
13. Shut off valves shall be provided on all container connections except for pressure-relief devices. Shutoff valves shall be located as close as practical to the container. [1997 SFC Sec. 7503.1.3.4.1]