CRYOGENIC LIQUIDS
FIRE INSTALLATION PERMIT – SUBMITTAL CHECKLIST

Building Permit #_____ Fire Permit #_____

Project Name/Tenant: _____

Site Address: _____ Bldg/Unit/Suite: _____

Applicant: _____ Phone: _____

An IFC Fire Installation Permit is required to install all new cryogenic storage tanks and piping that are used on systems exceeding the following amounts form 2006 IFC Table 105.6.10:

Permit Amounts for Cryogenic Liquids

Type of Cryogenic Fluid	Inside Building (gallons)	Outside Building (gallons)
Flammable	More than 1	60
Inert	60	500
Oxidizing (includes Oxygen)	10	50
Physical or health Hazard not indicated above	Any Amount	Any Amount

The following information is required at time of application for the Fire Installation Permit:

Permitting Requirements:

- ❑ Completed Fire Installation Permit Application & Submittal Checklist
- ❑ Submit (2) copies of plans and manufactures information, or "cut", sheets for review by the Redmond Fire Prevention Division

Plans:

The following is a list of information required on all plan submittals for review of a lead-acid battery system installation for compliance with the 2006 IFC. The plan shall be drawn to 1/8" scale minimum. The applicant is required to submit all of this information so an accurate and timely review may be done:

- ❑ Site plan indicating the location of the proposed tank(s), piping system
- ❑ Type and use of container, equipment or device
- ❑ Material to be stored, used or transported
- ❑ Description showing dimensions and materials used in construction
- ❑ Design pressure, maximum operating pressure and test pressure
- ❑ Type, size, setting and location of pressure relief devices, vent and emergency shutoff locations
- ❑ Details to show proper construction of the foundation supporting the tank

General Requirements:

- ❑ Pressure relief devices and vents shall be arranged so escaping gas will discharge to the open air and not impinge on personnel, containers, equipment and adjacent structures or enter enclosed spaces.
- ❑ Buildings, rooms, containers and piping systems containing cryogenic liquids shall be labeled in accordance with 2006 IFC 3203.4, NFPA 704 and ASME A13.1.
- ❑ Cryogenic containers shall be secured against accidental dislodgement and unauthorized access in accordance with 2006 IFC 3205.
- ❑ Cryogenic containers and systems in storage or use shall be separated from materials and conditions which pose exposure hazards in accordance with 2006 IFC 3203.6