



Brock University

Facilities Management Operating Procedures

Subject: REFRIGERATION LEAKS IN THE CHILLER ROOM Number: FMOP 3-1

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REFRIGERATION LEAKS IN THE CHILLER ROOM

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1.0 Background. The installation of a new chiller in the Central Utilities Building (CUB) in the autumn of 2001 included a detection system to provide CUB staff with a warning should there be a refrigeration leak in the Chiller Room. The leak detection system senses Freon gas leaks from the chillers and provides an audible and visible warning to evacuate the building and immediate area. Six lights and buzzers are located in the CUB at various doorways leading to the Chiller Room and will activate in the event of a Freon leak. The sign associated with each light and buzzer clearly instructs personnel to immediately evacuate the CUB when the alarm is activated.

2.0 Special Circumstances. The electric door at the south-east (SE) corner of the Chiller Room is now equipped to be operated from outside the building by key. This door can be opened in the event of an alarm to ventilate the Chiller Room without entering the building.

3.0 Action to be Taken. Personnel are to evacuate when the detection system has been activated. Re-entry is to be only on the all-clear by a Supervisor, the Brock Emergency Site Manager, or from the municipal Emergency Management Services.

4.0 Reporting. The leak or spill is to be reported to the Provincial Spill Action Centre 1-800-268-6060, <http://www.ene.gov.on.ca/spills.htm>.



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6.0 **References.** Brock University, *Emergency Management Protocol Brock University Main Campus*, December 2005

7.0 **Not Allocated.**