

Water Leak on FCCC2

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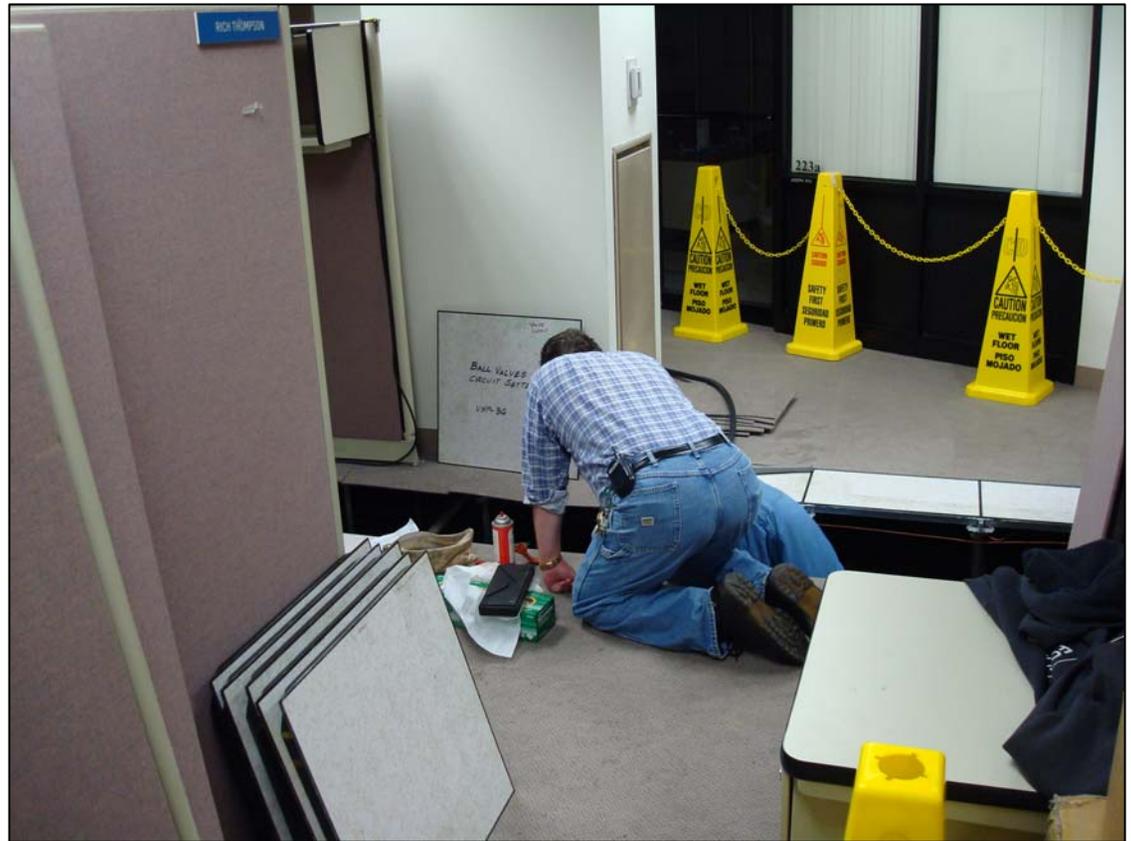
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Near Miss Water Leak

- The water leak originated on the 2nd floor of Feynman Computing Center cubicle office area and flowed down to a FCC1 utility area
- Early AM on Wednesday, 01/30/08 the water on FCC1 was noticed by electrical workers
- Water leak was able to be isolated from computer room, but did have potential to affect environmental heating/cooling to FCC2 offices

Office Area on FCC2

Office partitions
had to be
removed



Source of the Water Leak

- 3" Victaulic schedule 10 steel pipe where a saddle was installed to feed a Heat Pump



Water on FCC1 – ground floor

- Water on floor in the FCC1 utility area



Preparations

- The leak became worse on Thursday and required a short term solution (next slide)
- FESS collected measurements and information to gather required supplies to make the repair on Saturday (off hours) or sooner if the leak became worse



A rubber gasket's primary purpose is to create a constant tight seal. It was noted that over time this gasket was dried out and had lost its elasticity

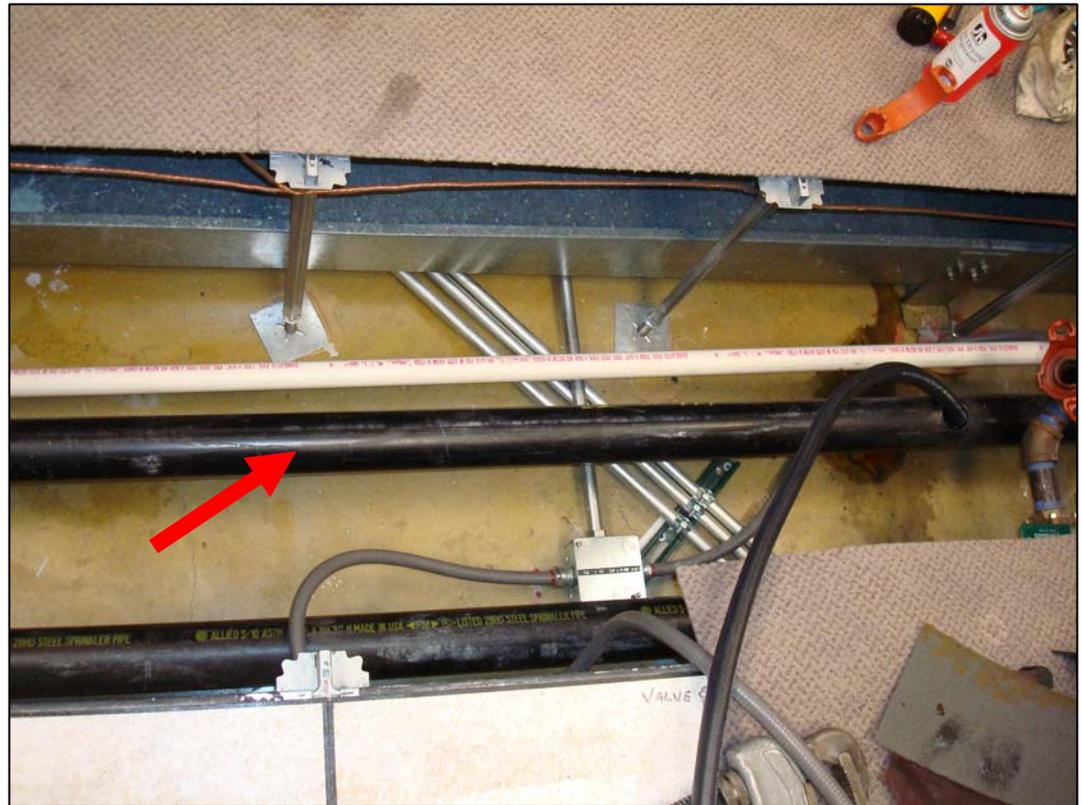
Short Term Solution

- Metal trough connected to pipe with tie-raps drains to a collection tank with a pump to move the water to a drain several yards away



Work on Saturday

- The localized area in the water distribution system had to be drained to replace a 10 foot section of pipe. It was determined that the pipe had a small hole.





Summary - Near Miss Water Leak

- ❑ Source of water was a hole in the pipe
- ❑ No damage to electrical infrastructure or computing and networking – this time
- ❑ Inconvenience to employee in the office
- ❑ Work was performed off hours to minimize disruption to employees