

Old Dominion University
Technology Policies, Standards, Procedures and Guidelines

Compliance Procedure

Title: Effective Environmental Controls
Reference Number: 7.2.5

Purpose

The purpose of this procedure is to define those characteristics of OCCS facilities that are in place to ensure that appropriate environmental controls are in place to adequately support IT systems, data and staff.

Although stated in more detail in the Disaster Recovery document, it is restated here.

Procedures & Related Information

OCCS is located on the 4th floor of the E&CS Building. This building was built in 2003 and is a designated "Green" building.

The building has a backup diesel generator that supports the entire building. This generator has a fuel tank that will provide power for up to 18 days without a fuel refill.

The data center has a battery based UPS that will carry the entire server room load for 50 minutes without dropping the power load.

The data center has an FM200 system for fire suppression as well as a water sprinkler system.

The data center also has 90 tons of air conditioning to maintain appropriate temperatures within the server room.

The server room has a raised floor with a water detection system throughout the under floor system.

The server room is equipped with a copper grounding system that is tied to each computer cabinet.

The data center is equipped with surge protection equipment and a closed transfer switch for the generator thus preventing power spikes and surges from entering any equipment residing in the server room.

The entire building has lightning rods on the roof top to attract lightning strikes and channel them to the ground.

With such equipment and systems above, OCCS staff, equipment and data are positioned to best be protected from environmental problems.

The data center has been classified as a "7" on the 1 – 10 standard scale used to rate data centers for their electrical, cooling, redundant facilities and physical features.

Last Review Date: February 27, 2007