

Capital Design and Construction (CDC)

- ◆ Favorable bids for the 30,000 GSF Building Construction Laboratory (BC Lab) opened on October 26, 2006. Martin Brothers Construction Company of Roanoke will be the General Contractor. Construction will begin as soon as the caisson installation is completed which is expected to be in December 2006.



Construction for BC Lab

- ◆ Site grading and foundations are underway on the Surge Building. This 45,000 GSF building will provide on-going swing space for multiple occupants and is to be substantially complete in spring 2007. The first tenant will be the College of Architecture and Urban Studies while Cowgill Hall is undergoing a yearlong renovation.



Site Grading for Surge Building

- ◆ The ICTAS II project was awarded to the architecture firm, Smith Group. The design effort is anticipated to start during December 2006 on this new 77,000 GSF research laboratory building to be located adjacent to

the Virginia Bioinformatics Institute.

- ◆ The Aquatics & Fisheries Research Facility broke ground in late October 2006. A federal grant funded this 2,305 GSF building located near the Virginia Tech airport. Substantial completion is to occur in late March 2007.

Physical Plant Operations (PPO)

- ◆ Customers should continue to be aware of safe floor load ratings before moving heavy equipment (including loaded filing cabinets) into buildings on campus especially when changes of use are considered. This is especially important in older buildings on campus which do



not have adequate structural capacity to carry increased loads. For assistance in checking on acceptable floor loads, please contact Physical Plant Operations.

- ◆ It is the time of year to start planning for inclement weather to avoid problems with the university operations. All members of the university are encouraged to plan for transportation needs and to review the inclement weather



policy and the campus snow emergency routes. Personal vehicles may not be left on snow emergency routes during a declared emergency.

- ◆ PPO is pleased to announce the appointment of Rebecca (Becky) Duncan to the position of Customer Service Representative in the PPO Customer Service Office. Becky comes to PPO from the College of Veterinary Medicine.

Utilities

Virginia Tech Electric Service (VTES)

- ◆ The VT Electric Service completed the installation of the holiday tree lighting on the Mall near Main Street. The tree is considered more of a Town of Blacksburg landmark rather than a decoration for the university. The decorating of the tree requires five linemen for three full workdays and the utilization of the Electric

Service's four high voltage bucket trucks. The tree is visible at many locations throughout the Town of Blacksburg.



Lit Holiday Tree

- ◆ Construction is progressing on the new air-pollution control system for Boiler No. 7. This new equipment should be operational by the middle of February 2007.
- ◆ Plant personnel are preparing the new waste lime removal system for service in conjunction with the start-up of the Boiler No. 7 air pollution control system.



New Waste Lime Conveying System

Mechanical Utilities

- ◆ The winter preventive maintenance program on chiller plants has begun and will proceed through the next few months.
- ◆ Replacement of the sanitary sewer system outside of Lee Hall was completed in November.

Central Steam Plant

- ◆ The Central Steam Plant continues to see increasing demands for steam as we progress toward winter and have cooler temperatures. Boiler No. 7, one of the plant's large coal-fired boilers, is currently operating up to 100% capacity, as the university's steam demand increases. Boiler No. 11 also just came on-line for the heating season.



Boiler No. 7 Controls

Campus Renovation Services (CRS)

- ◆ Renovations are being completed on the Owens Banquet Hall, which will enhance its appearance and create a warm and inviting environment, while still keeping with the university's and the building's "Gothic" architecture. A wood paneling finish was added to the walls along with new chandeliers and fireplaces. The room has variety with smaller, more intimate chair and table groupings. There are also new drop down projection screens and added stage lighting. A separately zoned HVAC system and humidity control provides greater comfort and control for a variety of layouts and configurations within the space. Partitions allow for better and more accommodating use of the space when either subdivided or opened for the maximum space size. Additional renovations include upgraded fire/smoke detection systems, repair of existing structural damage at exterior bearing walls, and the provision of a safe access to the mechanical spaces above the ceiling (i.e. new catwalk).



Newly Renovated Owens Banquet Hall

- ◆ Renovations are nearing completion on the “walk-in” and “reach-in” environmentally controlled growth chambers in Latham Hall. Shown below in the photograph is one of the 20’ x 10’ x 16’ growth chambers which has been installed to grow and study trees, especially loblolly pines. These chambers are custom-made by Conviron. This is one of the largest/tallest growth chambers they have ever made. Due to the height, the designers had to solve unique lighting and temperature control problems. Two-, three-, and four-tier reach-in growth chambers used for plant growth, development and research were also constructed. The College of Agriculture & Life Sciences and the College of Natural Resources will use these growth chambers to perform plant molecular and physiological studies for crop improvements, plant genetics, insect control and soil fertility. A walk-in cooler/freezer combo unit was also constructed. Renovations also managed the installation of three sterilizers. Two lab washers (large commercial size dishwashers) with a RO water unit are being installed.



Growth Chambers in Latham Hall

- ◆ The existing information desk at War Memorial Gym has been removed and a new suite of offices has been constructed to provide additional office space for the Virginia Tech Police Department (VTPD). This substation will enhance community policing efforts by providing a centralized, high-profile location for the police department. In addition, it will increase interaction between the VTPD and the rest of the campus community. The substation also gives bike patrol officers a centralized location for equipment storage and a space for police report preparation.



VT Police Department Substation



Bike/Equipment Storage