BUILDING ADMINISTRATION REPORT

Bob Kiss
NSLS Building Manager

Organization and Mission
The NSLS Building Manager, Bob Kiss, coordinates the activities of BNL Plant Engineering departments involved in operating and maintaining the building to ensure that the integration and execution of facility work is efficiently and effectively managed and controlled, providing a safe, comfortable and hazard free environment for the NSLS staff and users. He is supported by Plant Engineering Trades Staff Supervisors in the maintenance and housekeeping of the NSLS Complex.

The Mission of the Building Administration consists of multiple disciplines:

- To maintain the housekeeping and ES&H of the facilities in a showcase condition
- To ensure the general maintenance of all building systems
- To oversee the construction and installation of new equipment or facilities
- To ensure the maintenance and function of all security systems
- To promote energy awareness and conservation
- To function as the Work Control Coordinator for all building systems
- To comply with the Emergency Preparedness Program

2006 Activities

Change of Building Managers
2006 has been more than a busy and positive "business-as-usual" year for the NSLS. With the NSLS-II project in the spotlight, the NSLS has seen many changes in staff. Many of our valued staff members are now doing double duty, continuing to provide support to our current facility while giving their expertise to the new and bright future of the NSLS-II. Several buildings were acquired for the NSLS-II to accommodate the transfer of staff into a central, convenient location. Gerry Van Derlaske has stepped up and become the Facility Manager for the NSLS-II and as such has played a major role in setting up the new facilities. During the past year, this had taken up the majority of Gerry's time, leaving the day-to-day care of the NSLS to me, first as the Alternate Building Manager and then as the permanent Building Manager when Gerry officially became the NSLS-II Facility Manager at the end of 2006. We thank Gerry for his many years of leadership in this position and wish him well.

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Work Planning and Controls
With the emphasis on safety and work planning by DOE and OSHA, the NSLS has become an excellent example of Work Planning and Controls. Al Boerner, the NSLS Work Control Manager, has continued to ensure that all work is completed in a safe and complete manner. Under Al's guidance, the number of work permits for tasks completed at the NSLS has grown to about 65 Work Permits for 2006. These permits range in complexity from a simple permit to ensure the safety of a contract vendor repairing a copy machine, to a complex permit coordinating the tasks of many BNL trades and NSLS staff for the installation of RF Cavities. With attention to safety, work planning and work controls, we have maintained our safety record of no lost workdays for more than three years.

Machine Shop Operations
Machine Shop Safety was an area that received extensive attention during 2006. BNL issued a new SBMS, detailing the updated requirements for the training, safe operation, maintenance, and inspections of all machine shops. As the NSLS User Machine Shop Manager, I was a member of the SBMS review committee and was able to provide NSLS Machine Shop Program policies for the SBMS. This resulted in the review and changes of the training requirements for anyone authorized to use the NSLS User Machine Shop and the NSLS Tech Shops. Major changes include required periodic retraining and review of all authorized users, monthly and yearly inspections of the shop by the shop manager, and restricting access to all machines to only those individuals fully trained for the

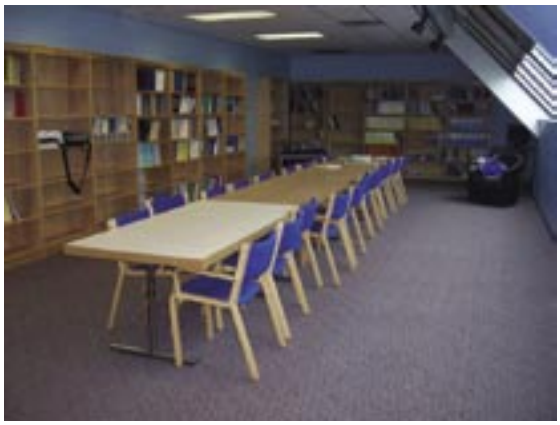
particular machine. The NSLS User Machine Shop was referred to as a prime example of a well-run and maintained facility. This past year has seen a change in management of the User Machine Shop. Since becoming a member of the NSLS in 2000, I had been the Shop Manager. With the many staffing changes at the NSLS, the responsibility of the NSLS User Machine has now been turned over to Dennis Carlson. Dennis has many years of machine shop experience, having been a member of the NSLS Beamline Development and Support group for many years. His experience and knowledge of the workings of the NSLS beamlines is a very valuable asset for the users of the machine shop.

High Sensitivity Smoke Detector (HSSD)
In early 2006, at the end of last year's winter maintenance period, the new HSSD was fine-tuned and tested. Having met and passed all the expected requirements and tests, the system was placed into full service. The testing of the system included simulation of various possible maintenance tasks that may trigger the alarms. These tasks included the bake-out of a cavity, soldering of large pipes, and the idling of a truck outside the area roll-up door. The system consists of a system of special PVC piping and nozzles located directly above the critical equipment in the NSLS power supply area. It is a continuous sampling system that pulls air samples through the nozzles and piping to a computer analyzer, providing early detection of any smoke or fire in the area well before it becomes a major issue. This early detection provides the operations coordinators with valuable extra time to investigate and shut down any equipment necessary to prevent a major incident.

X9-X3 Transfer
The x-ray experimental floor received a major change with groups working together to "Green Field" the X3 beamline in 2005. With that portion of the project completed, the next phase of the project was to modify and relocate the X9 experimental end station enclosure (EESE) to X3. This was a major undertaking since the original EESE was too tall to fit at X3. The lead-lined panels were transported to the Central Fabrication Facility to be modified and then transported back and re-assembled in place at the X3 beamline. All the X9 beamline components were painstakingly removed and re-assembled at the new X3 location.

Green Field of X9
With the completion of the X9 to X3 beamline, preparations for the new X9 beamline were begun. The most visible aspect of this task was to "Green Field" the area beginning with the removal and disposal of the old EESE. With the help of Plant Engineering Carpenter and Riggers, and thorough work planning using the BNL Work Permit program, the removal of the EESE was completed quickly and safely. Once the EESE was removed, work continued to remove all remaining excess equipment, clean, and make necessary repairs to the floor to prepare for the planning and installation of the new line later this year.

Library Renovations
After many years of use, the NSLS Chasman-Green Library was remodeled. With the assistance of Plant Engineering, the old carpet and platform was removed and new carpets installed. New ceiling tiles were installed and the walls received a fresh coat of paint. Bookcases were rearranged, excess file cabinets removed, old periodicals were



The renovated Green-Chasman Library

scanned to computer files, and many volumes of reference books were placed into storage until the renovations were complete.

In 2007, the reference books will be sorted and arranged for easy access and plans for new furniture will be finalized. Plans also include the installation of a retractable projection screen in the ceiling to allow the library to be used as a conference room. A small area will be set up and equipped with a computer station, and a fax/copy machine for use by visiting users. These renovations will result in a warm, quiet, and friendly atmosphere to gather and relax or just get away from the busy life of running an experiment.

Behind-the-Scenes Accomplishments
Many times during the year there are tasks and jobs completed that go unnoticed by the majority of staff and users. Most times these are tasks that do not affect the everyday workings of the NSLS, but once completed, they make life a little safer or comfortable for everyone. Most of these do not take much effort on the part of the NSLS, but require much coordination between building management, Plant Engineering, contractors and other BNL departments. Some of this year's behind-the-scenes accomplishments include for following:

- Parking lots outside the east side of the build-

ing were cleaned, repaired, and painted.

- A ramp was installed outside the east roll-up door entrance to eliminate the curb to the bicycle rack storage area. This also allows an electric vehicle to be parked under the over hang and charged overnight. This was completed with funding from the BNL Safety Solutions (S2) project.
- The NSLS User Administration Office, along with several other offices and the Chasman-Green Library received new carpets.
- The LEGS Helium trailer was removed to create space for an LN2 to N2 heat exchanger. Removal of the trailer eliminated the need to install another concrete pad to the system.
- The XLS trailer was emptied and disconnected in preparation for removal.

Conclusion

Year after year, thousands of people come to the NSLS, some to use the facility for research, some to attend research conferences and training courses, and others to tour our facility just to find out “what do they do there.” Whoever they are, no matter where they come from, it is wonderful to know that they leave with a better understanding and appreciation of science. A large part of their appreciation must go to the talented support staff that keeps the NSLS facility up and running, and showcases the research community.