Facilities Management

Building Tomorrow’s Duke Today

June 2013

Message from the VP

Facilities Maintenance has enjoyed a little time in the spotlight recently; we won the national sustainability award from APPA, the Association of Higher Education Facilities Officers. We also won the 2013 Award for Outstanding College or University program from the Carolina Recycling Association. The department received a letter from President Brodhead thanking us for a ‘magnificent’ looking campus, and two of our housekeeping staff received a letter of appreciation from our own Duke Police for their quick action.

The work across the department deserves this recognition. In the Facilities world, this sort of recognition is rare. Not because it isn’t deserved, but because we are used to working under the radar. I’m proud of the work you all do every day and I’m happy that it hasn’t gone unnoticed by others.

The safety fair will be held on June 20th at the Washington Duke Inn. Please mark your calendars and plan on attending. Our goal and priority is always to focus on safety.

John J. Noonan
Vice President for Facilities

SANITATION AND RECYCLING WINS AWARD

Sanitation and Recycling, in partnership with Sustainable Duke won the 2013 Award for Outstanding College or University Program, given by the Carolina Recycling Association. Arwen Buchholz, Program Coordinator for Recycling and Waste Reduction accepted the award at the Annual Conference in April. The award honors an outstanding college or university program that promotes sustainable resource use through waste reduction, reuse, and recycling on a college campus. Duke won for the “Waste Free Freshman Picnic”, an event for all freshmen and their families held the first week of school.

Approximately 4,000 people attend the event, which FMD has helped host for six years. Guests are introduced to many of the aspects of sustainability at Duke. Because the picnic uses washable silverware, composes food waste and recycles materials, less than 10% of the waste generated by the event was taken to the landfill. Congratulations to Arwen and Duke Sanitation and Recycling for all their hard work!

HOUSEKEEPING RECOGNIZED BY UNIVERSITY POLICE

Kowaski Pittman, a Utility Worker in Housekeeping, recently interrupted two men removing items from Card Gym. Kowaski asked for their Duke IDs and what they were doing. The two refused to answer and took off running. Kowaski gave chase and caught one by the jacket, but he ran out of it. Kowaski immediately called his supervisor, Yvette Barrow. Yvette called University Police and the two men were quickly apprehended thanks to Kowaski’s detailed description. Police Investigators presented letters of appreciation to both Yvette and Kowaski. James Fickling, an Investigator with Duke Police, says the housekeeping staff plays an essential role in keeping Duke secure. “They are the eyes and ears of our community. We rely on them to call us because they can tell immediately when something is out of place.” Thanks to Kowaski, nothing is out of place at Card Gym.

DUKE UNIVERSITY WINS NATIONAL SUSTAINABILITY AWARD

APPA’s Sustainability Award in Facilities Management is designed to recognize and advance sustainability excellence in educational facilities. The award recognized the facilities management department that has integrated sustainable policies in “Green practices throughout all facets of the organization and embedded them within the educational institution. Duke will be highlighted in an upcoming Facilities Manager and Steve Palumbo, Energy Manager, will travel to Minneapolis in August to receive the award on behalf of the department.

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FMD HIRES SUMMER INTERNS

FMD has hired to following students to push projects along this summer:

Claire Alligood is a senior at Duke majoring in Mechanical Engineering and is working on AutoCad and GIS.

Susan Benson is a junior at University of South Carolina double majoring in Finance and Global Supply Chain and Operations Management and is working on a variety of projects for Business Services.

Graham Biggs is a senior at NC State studying Environmental Technology and is working to compile safety programs for the department.

Chris Bogdan is a senior at Duke majoring in Mechanical Engineering and is working on the Housekeeping inventory project.

Aidan Burdick is a senior in high school and is doing field work inventory for Utilities and Engineering.

Ryan Cowles is a senior at Duke majoring in Mechanical and Aerospace Engineering and is working on the Housekeeping inventory project.

Jason Elliott is a graduate student in the Nicholas School of the Environment and is working on the tree inventory project.

Forrest Etter is a senior at Duke majoring in Mechanical Engineering and is working on the Housekeeping inventory project.

Belle Farish recently received her Master in Architecture at NCSU and is working on Duke’s Design Guidelines.

Hannah Meeler is a recent graduate of UNC-Chapel Hill with a B.S. in Environmental Studies and is working on the tree inventory project.

Ethan Miller is a recent graduate of UNC-Chapel Hill with a B.S. in Environmental Studies and is working on the tree inventory project.

Michelle Peltier is a recent graduate of NCSU with a B.S. in Environmental Design in Architecture and is working on the Housekeeping inventory project.

Cesar Perez is a senior at Duke majoring in Civil and Environmental Engineering and is working on CAD projects.

Matt Racher is a junior at UNC-Charlotte majoring in Construction Management and is working on CAD projects.

John Shepherd recently earned a Master of Environmental Management from the Nicholas School of the Environment and is working on a single stream recycling study.

Alex Stevens is a senior at Duke majoring in Mechanical Engineering and is creating prints of sprinkler cutoff valve locations in campus buildings across cam to provide a quick reference in the event of a fire.

Meron Wolde-Tensae is a junior at Duke majoring in Civil and Environmental Engineering and is doing field work inventory for Utilities and Engineering.

ANDY CURRIN WORKS DAY AND NIGHT TO MAKE DUKE BETTER PLACE

By day, Andy Currin, is a Horticultural Specialist in Grounds, by night, he is an instructor at Duke Gardens, teaching novices and master gardeners alike about gardening in many different forms.

When he started working for Grounds three years ago, he often worked in Duke Gardens, giving the lawn special turf treatments. He learned that the Garden staff was looking for instructors and he stepped up to help out. The class tuition goes to help with the upkeep of the gardens. His classes, which include topics such as how to grow organic vegetables in a raised beds and how to raise your own Shiitake mushrooms, are limited to 15 students. This helps promote class participation and allows for a hands on environment. The classes all take place in the evening or on Saturdays and are open to anyone in the community.

Before Andy came to Duke he worked for himself running a landscaping business, responsible for the care of over 350 acres. Now that he works for Duke, he has more time to spend on his hobbies. Besides the classes at the Gardens, Andy and his wife also run a non-profit, whose mission is to teach home-school students a class on beginning bee keeping. The home-schoolers get a science credit for taking the class. Andy also sells his produce at the Waverly Place farmer’s market in Cary on Saturdays.

Andy really enjoys his job at Duke - both of them. “In Grounds I get pulled to do lots of special projects and I get to see the results of that work. I see my role in making Duke a better place, most recently doing some specialty pruning on the Davison lawn. I also enjoy teaching at Duke Gardens. I am helping to promote sustainability through Duke Gardens while at the same time helping to raise money for the gardens, and

Fun Fact:

Last fall during a press conference Coach Cutcliff spent so much time talking about the terrific condition of the turf in Wallace Wade that a ESPN reporter tracked down Scott Thompson to ask him how the Grounds crew was able to do it, especially so late in the season. Scott was interviewed on the sidelines during the game against Clemson.
DUKE QUARRY OPENS FOR BUSINESS FOR FIRST TIME IN TEN YEARS

Duke is known for its Gothic architecture and it is the stone itself that makes Duke architecture so appealing. Duke has owned the quarry where all the Duke stone comes from since 1925. A rail spur was built so that trains pulled right into what is now the West Campus Quad to deliver the stone. Fifteen to twenty carloads of stone arrived each day during construction of campus.

In the late 1970s, it appeared that the quarry was running out of Duke stone. During that time, the buildings used stone chips embedded in concrete panels instead of slate bricks. Gross Hall, The Bryan Center, and Edens Quad were built during that time.

Luckily a new vein of slate was discovered and concrete panels are a thing of the past. Duke stone is only quarried when needed and for the first time in ten years, the quarry was operational this spring. Paul Manning determined how much stone Duke needed over the next 10 years and put in an order for 5,000 tons of stone to be quarried for use in future buildings.

The last time the quarry was operational the rough trimming was done by the crew operating the quarry, not by masons. This time around, the quarry crew is only responsible for getting it out of the ground. Masons do all the rough and finish work. This change has meant that we now get 17 to 18 square feet per ton as opposed to 12 square feet per ton.

It took six months to get enough stone to last the upcoming 10 years. Some of the newly quarried stone has already been used on the Events Pavilion and is ready and waiting for the renovation of West Campus Union.

CONGRATULATIONS TO THE MAY EMPLOYEES OF THE MONTH

Robert Autry, Licensed Locksmith, Building Maintenance. Robert worked on re-keying the Bryan Center in the midst of different groups moving in and out and meeting all of the deadlines for the relocations. He always leaves his customers with 'if there is anything I can do, just give me a call' and his customers thoroughly enjoy working with him.

Sarah Hall, Recycler, Sanitation & Recycling. Sarah was crucial to this year’s commencement. She took the lead to learn when and where all the 100+ events were located served as the point person for the weekend. The Recycling crew knew the needs and timing of each event due to Sarah’s excellent work.

Kevin Matamoro, Utility Worker, Housekeeping. Kevin is a team player, shown by his willingness to perform any task that is delegated to him. He has assisted in refinishing floors in a building that is not assigned to him. He saw it as a challenge. He proved himself a leader by successfully pulling a group of his colleagues together to achieve a great result.

Bryan Taylor, Network Coordinator, DUES. Bryan successfully (and quickly) fulfilled the needs of 12 summer interns while juggling his current responsibilities. He was also instrumental in making the first two phases of the mobile device upgrade project a success. Bryan is dedicated and dependable; always willing to work through issues to keep our employees productive.

Dudley Willis, Project Manager, Project Management. In February, Dudley moved to China for a one year assignment to oversee the construction of Duke Kunshan University. He was responsible for successfully negotiating the Duke Kunshan University construction and lease agreement.
Safety Zone
(Reprinted from the Working@Duke section of Duke Today, June 10, 2013)

With National Safety Awareness Month in June, Duke faculty and staff have an easy way to get into the swing of things June 20.

Duke’s Facilities Management Department and the Occupational and Environmental Safety Office will host its seventh annual Safety Fair from 8 a.m. to noon in the Presidential Ballroom at the Washington Duke Inn. The event will feature 32 vendors showcasing products and information on how to create and maintain a safer work environment.

The event is open to all Duke employees and will also feature demonstrations by groups like Mothers Against Drunk Driving, American Red Cross, Duke University Police Department and LIVE FOR LIFE, Duke’s employee wellness program.

“The National Safety Council’s theme for National Safety Awareness Month is ‘Safety Starts with Me,’ and we want to remind people that safety is something that starts at every level,” said Mike Snyder, safety manager for Facilities Management. “We’re all responsible for personal safety and helping to create an ideal safety culture at Duke.”

To help bring that idea to the forefront, vendors like Grainger Industrial Supply, Dillon Supply Company and Fastenal Tools will offer demonstrations and information on products such as safety gear and cleaning and construction materials. Other groups, like Mothers Against Drunk Driving, Eye Care Associates and American Red Cross will provide safety tips. As June also marks the beginning of hurricane season, Duke employees will be encouraged to review emergency preparedness information on the DukeALERT website.

At the LIVE FOR LIFE table, staff will conduct several health-measurements, including blood pressure checks and measurements of body fat and flexibility. Safety Fair visitors can also learn about LIVE FOR LIFE programs like free fitness consultations.

“Part of our goal is to bring health and wellness directly to Duke employees, so this is a good opportunity to showcase what we do and how faculty and staff can be safer through better health,” said Liz Grabosky, fitness manager with LIVE FOR LIFE. “When your mind and body are in good health, you have a smaller risk for accidents.”

Snyder noted that attendees of the fair will receive a free tote bag to carry vendor giveaways, which can act as a tangible reminder of safety.

“It’s about getting it engrained in our mind that safety really is job number one,” Snyder said.

Injuries and Resulting Days Away Restricted Time (DART) Update

By the time you read this, the second quarter of 2013 will almost be over with. As of this writing (11 June), there have been 7 Days Away Restricted Time (DART) injuries in FMD during 2013 that OESO has accounted for; five in the 1st quarter and two thusfar in the 2nd quarter. As a result, the FMD DART is currently at 3.2 (see chart). The breakout is:

Strains/Sprains:
- Back strain from overexertion during the lifting of materials over a week;
- Wrist strain caused by a fall;
- Shoulder strain while lifting trash;
- Hand sprain while using a hand to push repeatedly on a tool;
- Shoulder sprain while bracing a fall;
- Shoulder strain from an on-the-job vehicle accident.

Other:
- Swelling/bruising (hemotoma) caused when finger got caught in door;

Remember, over the last 4 years, Sprains/Strains have accounted for over 75% of our DART injuries! Do you your part to avoid being a statistic by being more observant of where you are walking, knowing your limitations, and asking for help when needed. In most cases the key is to SLOW DOWN. We will continue to emphasize that work should be performed SAFE, RIGHT, and FAST....in that order.

Our Mission: To be stewards of Duke University by providing excellence in planning, design, construction, cleanliness, operations and maintenance for facilities, grounds and utilities in a customer-focused, efficient and sustainable manner.