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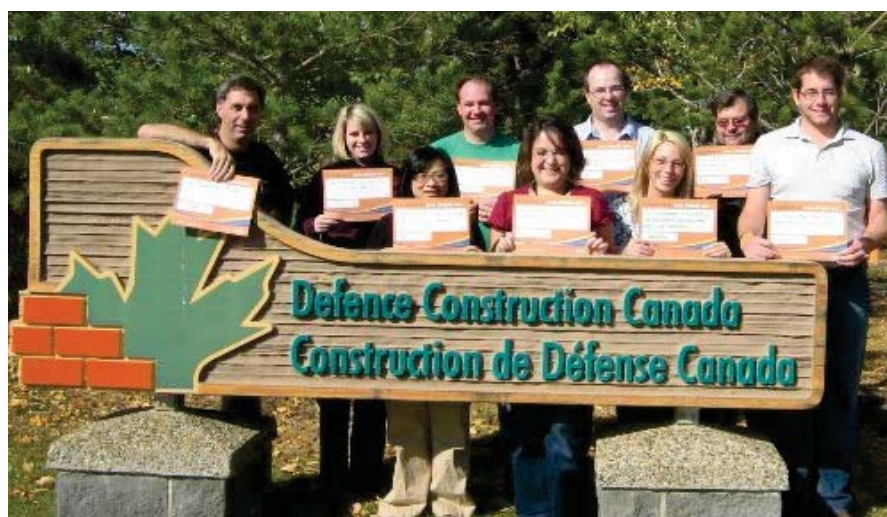
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Energy awareness program in full swing at CFB/ASU Edmonton



DCC employees at CFB/ ASU Edmonton supported Energy Awareness Week by committing to perform "One Simple Act".

Back row, from left: Charles Calvert (Environmental Project Coordinator), Jason Allison (Environmental Project Coordinator) and Dave Harvey (Coordinator, Construction Services).

Front row, from left: Brian Fraser (Manager, Site Operations), Sabrina Rock (Manager, Environmental Services, Western Region), Samantha Dien-Taday (Contract Services Officer), Ana Martinez (Administrative Assistant), Heather Marshall (Assistant Manager, Site Operations), and Graham Anderson (Coordinator, Construction Services).

A plan is underway to make folks at CFB/ASU Edmonton more aware about energy consumption. The base is currently involved in an energy performance contract to save energy with technological upgrades.

DCC has been supporting the contract with energy awareness initiatives. "Natural Resources Canada has done some studies that show if energy awareness is incorporated with technology upgrades, the user can save up to 25 per cent in energy consumption," says Jason Allison, Environmental Project Coordinator. "The energy awareness program is going into its third year now, and this is the first year we were able to address the energy initiatives we wanted to and get everything into full swing."

In 2008 and 2009, DCC was able to implement several programs. Base Utility Officer Randy Boyd and DCC initiated Energy Awareness Week, held from September 22 to 26, 2008. Displays, presentations and a raffle promoted energy conservation throughout the base. In addition, Alberta Environment helped out by presenting a new program called "One Simple Act," through which 145 base personnel committed to reducing energy or waste. As a result of that program, the base:

- diverted 1480 kilograms of waste from landfills, an amount that could fill 1.5 garbage trucks;
- prevented 8757.3 kilograms of carbon dioxide from being emitted into the air, equivalent to the amount that would be emitted by 4.3 car trips from Vancouver B.C., to St. John's, Newfoundland; and
- saved 92,700 litres of water, an amount that could fill 1,030 bathtubs.

Shortly after that campaign, Guthrie School at CFB/ASU Edmonton entered into an poster challenge proposed by Boyd and DCC. The challenge divided the grades into three different utilities—water, electricity and natural gas—and each class produced a poster on how to save energy at home, based on their utility. On January 30, 2009, all the class posters were evaluated, and the best class poster for each utility was awarded an energy-related prize. Allison says, "The posters will be used throughout the base in the 2009/2010 energy awareness program to teach the students' parents [about] energy savings at home and work."

He adds, "The main thing that we focused on was changing habits at home, because many studies have indicated that, if people are energy conscious at home, they will take those habits with them to work."

Another exciting event was the Energy Challenge 2009, held in the Military Fitness Centre for base personnel. Seven teams of eight participants competed to win prizes by generating electricity as they exercised on an elliptical trainer. Boyd and DCC initiated the challenge to make base personnel more aware of the amount of effort needed to generate electricity. Participants exercised for half an hour each, and then the calories they burned were converted into kilowatt-hours. The top electricity generators won prizes to help them save energy at home and at work.

"In 2009/2010, DCC will continue working [with] Randy Boyd on energy awareness throughout CFB/ASU Edmonton," says Allison. New initiatives will include setting up a base energy savings website, developing an energy master plan, and implementing water-saving measures that DCC researched and recommended.

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Milestone reached in 12 Wing Shearwater upgrade



DCC has officially announced the completion of the Common Support Facility at 12 Wing Shearwater in Nova Scotia. This building's unveiling marks another significant milestone in the massive upgrade currently underway at one of Canada's oldest airfields.

The three-storey Common Support Facility is the first of three structures to be completed at 12 Wing Shearwater. In May 2007, DCC awarded Bird Construction a \$98.3-million contract for the construction of three in-service support facilities. It remains the largest single contract ever awarded in DCC's history. The facilities are essential in order to upgrade existing hangars at 12 Wing that no longer meet operational requirements or existing codes.

Modern buildings and upgraded infrastructure will also be necessary to accommodate the Canadian Forces' new CH-148 Cyclone helicopters when they arrive to replace the CH-124 Sea Kings. Personnel at Shearwater must be prepared to continue safe Sea King operations while supporting the incoming Cyclone fleet. For a transition period, both types of helicopters will be in the air at the same time, resulting in mirror flying and maintenance requirements. In addition, the Cyclones will require different tools and systems than the old Sea Kings.

Construction Program Manager Marc Brophy says the 12 Wing Common Support Facility was a challenging yet highly rewarding project to spearhead. The most intricate of the three structures, it required a great deal of interior work. Strategically, the contractor enclosed the building before the first winter arrived. This approach allowed the plumbers, electricians and other interior trades people to continue working throughout the harsh winter months.

According to Brophy, the new building was finished ahead of schedule. Construction

commenced in November 2007 when Colonel J.B. Ploughman, Wing Commander at 12 Wing Shearwater, laid the ceremonial first brick.

The completed project is large and extremely impressive. The utilitarian design consists of a structural steel frame with tilt-up components, brick/aluminum panel cladding and a modified bitumen roof. The main floor is 5,393 gross square metres, the second floor is 3,472 and the third level is 3,333.

The Common Support Facility will accommodate the Maritime Helicopter Project contractor's warehouse operation and field office. The building will also eventually house 12 Wing Shearwater Operations staff, and the Helicopter Test and Evaluation Facility, as well as aircrew flight planning and support functions. The DND tenants are scheduled to start moving in throughout the late summer and early fall of this year.

Meanwhile, work will continue at 12 Wing Shearwater. Brophy says the main focus is now on completing the two other buildings; they should be substantially finished this summer. The 423 Maritime Helicopter Squadron Facility is a huge hangar that will accommodate the front-line maintenance and servicing functions of 423 Maritime Helicopter Squadron and 406 Maritime Operational Training Squadron. The second structure will fulfill the needs of 12 Air Maintenance Squadron, which currently operates out of four obsolete hangars that do not meet current operational demands.

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DCC helps protect Okanagan residents

Since 2005, DND has spearheaded a project to reduce public safety risks posed by unexploded explosive ordnance (UXO). Called the DND UXO and Legacy Sites Program, its primary aim is to identify and catalogue locations across Canada where UXO is present.

DCC is currently engaged in UXO clearance operations as well as public education campaigns near five legacy sites in south-central British Columbia: Madelaine Lake/Glenemma, Goose Lake Range, the Commonage, Coldstream and the Cosens Bay area. According to Stephanie Culleton, DCC's Environmental Project Coordinator for the Regional District of North Okanagan, the stakeholders are many and varied. "The federal, provincial and municipal governments, as well as private landowners—everybody has a stake," she says.



A helicopter searching for unexploded ordnance in the Vernon, British Columbia area.

Culleton explains that the focus is on five distinct pieces of land. All are properties formerly owned, leased or used by DND that contain UXO from past military operations. Before World War I, DND established a military camp near Vernon. Later, during the World War II and Cold War eras, military maneuvers occurred throughout the region. A number of Okanagan locations were used for live-fire exercises involving artillery, mortars, tanks and anti-tank weapons.

Today, much of the land is used for private farming. Tourists and local residents frequent a provincial park southeast of Vernon. On the Okanagan Indian Band Reserve, inhabitants have long had some concerns about the dangers of UXO from decades past. Ordnance known to have been used on ranges and training fields in the Vernon area includes pyrotechnics (thunder flashes and smoke grenades), small arms ammunition and mortars. "The most common types of UXO found are two- and three-inch mortars, primarily World War II era," says Culleton of the Vernon legacy sites.

Since the end of World War II, there have been eight UXO-related fatalities in the Vernon area. In the spring of 1948, three men were killed while loading topsoil into a truck. In March 1963, two Boy Scouts were killed and one was injured when the youths discovered an unexploded mortar. In April 1973, two children were killed and two others wounded by an explosion possibly caused by a two-inch mortar located close to their trailer park.

As Canada's population increases, it is inevitable that people will come into more frequent

contact with UXO on properties that were once remote. That is certainly the situation in the Okanagan, where the need to reassess UXO hazards has been highlighted in recent years by commercial and residential land development. Culleton notes that the area is thriving economically and expanding at a rapid pace. Residential subdivisions with million-dollar homes are being constructed in the region.

In 2007, a wide area assessment of the Vernon legacy sites was conducted. However, the area was discovered to contain heavily magnetized rock and the results of the survey were not specific due to magnetic interference. DCC is now using different technology and an innovative approach to maximize the output of usable data. In 2008, DCC began working closely with the City of Vernon and its surrounding areas to help minimize the risk to local citizens, especially construction workers.

DCC's strategy for 2009 involves increasing public awareness. Culleton says there are plans to visit schools in the region to let children know what they should do if they discover a suspicious-looking object. Determining whether something is UXO can be difficult, even for an expert. After it has been lying around for decades, the ordnance usually loses its original shape, paint and markings. It may look more like a piece of old pipe, a pop can, an old car muffler or bits of rusty metal. Culleton expects that DCC will have a role to play at the Vernon-area legacy sites for years to come, especially in educating the public and raising awareness of the risk.



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DCC employee inducted into Klaus Woerner Hall of Fame

Vern Haggerty, a 30-year DCC veteran, was inducted into the prestigious Klaus Woerner Skilled Trades Hall of Fame, last month. The Klaus Woerner Skilled Trades Hall of Fame Awards in recognition of individuals who have made significant contributions to the advancement of skilled trades and technologies. These awards have been presented since 2006, in memory of Klaus Woerner, founder and CEO of Automation Tooling Systems (ATS) and a pioneer for the skilled trades.

"Humbled by the award," Haggerty says, he owes his thriving career to his tertiary education and to hands-on training in the industry. "A diploma or degree actually shows you have the ability to learn, and it shows that you can start something and finish something, which helps you get your foot in the door."

Haggerty has held many progressive positions at DCC since his strenuous job in the trenches. Currently the manager of 8 Wing Trenton's Capital Construction Program, he is overseeing a six-year construction program at CFB Trenton, valued at \$600 million. He also actively supports college and university students through co-op work placement opportunities and summer employment. "We need to give more employment opportunities to youth," he advises. "I will always be thankful to the person who gave me that chance."

Vern's leadership work at DCC is making important contributions to our communities, says Maureen Piercy, President of Loyalist College. "His emphasis on respectful and effective work processes sets a commendable example for the college and university students who have the opportunity to gain experience there. It was our privilege to nominate Vern."



Vern Haggerty (centre) with Gene Stodolak (left), Past President of the Ontario Association of Certified Engineering Technicians and Technologists, and Maureen Piercy, President of Loyalist College in Belleville.

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Profile – John Blasko, Manager, Contract Services

Tight deadlines and the stringent operational demands of the Canadian Forces make working in Contract Services at DCC very challenging. But for John Blasko, Manager, Contract Services, the environment has proven to be a good fit for his high-performance work ethic.

"I love it! It's fascinating, and every day is different," says John. "There are no precedents in contracting, and every project is uniquely challenging. No two contracts are the same." This desire to try new things has driven him throughout his career.

John first joined DCC in the early 1980s as a student Project Inspector at the Kingston Site Office. Then in 1986, with university behind him, he took on a full-time position as a Project Inspector at the Ottawa Site Office. He remained in that position until 1989, when he decided to explore other aspects of the business by taking on a job with DND. He later moved into the private sector and eventually started his own contracting consulting business.



In 2002, a member of the Senior Management Team approached him and offered him the position of Manager, Site Operations, at the Ottawa Site Office. Eager to return to his DCC roots, he accepted the offer. Four years later, he accepted yet another challenge by taking on the role of National Health and Safety Coordinator.

Curiosity and desire to learn more about DCC contracting processes motivated him to take on his current role. "It was one part of the organization that I had some exposure to, but that I didn't know the inner workings of. Contracting is the hub of the Corporation. It is what DCC is about."

The move proved to be a good fit for him. "I came here by choice and I have no regrets," says John. "The team is amazing and it never gets boring. I highly recommend this line of work to anybody who enjoys breaking down and analyzing complex ideas, who wants to be involved in interesting projects and who likes the thrill of deadlines."

Serving DND throughout Canada and overseas, DCC Contract Services issues more than 1,500 contracts a year for professional services, construction, goods and other infrastructure-related work. With in-depth knowledge of the construction business, DCC Contracting experts can meet both the tough operational demands of the Canadian Forces and the high standards of the federal procurement policy.

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DCC at Work is our Corporate Services newsletter, delivered bi-monthly to our public- and private-sector partners and the public at large. The articles in *DCC at Work* focus on service-delivery success stories, from the most complex projects to innovative ideas that save time and money.

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Look for the next issue of *DCC at Work* in June 2009.



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