

## Construction underway at Joint Nuclear Biological and Chemical Defence facility

Steel columns and joists are up and masonry block walls are under construction as the first dedicated facility for DND's Joint Nuclear Biological Chemical Defence (JNBCD) Company at 8 Wing Trenton begins to take shape. The \$18-million project broke ground in May this year, and is scheduled for completion in June 2008, when the unit will move in.

"The schedule is a challenge for us," says DND project manager Dave Wong. "This is a design-build project — we're completing the design while certain construction takes place. For example, we are building the foundation when we are still designing the mechanical and electrical, so it's a fast track approach. In that way, we usually save some time so that we can meet some very tight schedules."



A view of the construction site for a future Joint Nuclear Biological Chemical Defence (JNBCD) facility at 8 Wing Trenton. The photo was taken on July 23, 2007.

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#### DCC AT WORK

is published every two months.  
Next Issue: October 2007

"We're at about 40 percent complete construction," confirms Deanna O'Leary, DCC Contract Coordinator from her trailer on site, adding that the 30 contractor personnel working at the facility will increase to 75 this fall, when the building is framed in. "A big part of the project to date has been the storm sewer system. There's going to be a lot of buildings springing up in this area that was an undisturbed field, so that's why the site

servicing is quite involved — it's leading the way for future construction as well."

It's a key project to increase quality of life for the 150 personnel of the JNBCD Company, who are currently working out of older, temporary facilities that aren't co-located with needed workshop areas.

"It will mean a lot to them to get everything together in one building," says O'Leary. "It's

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# Project Update – 5 Wing Goose Bay Runway Rehabilitation Project

The final phase of this \$20 million two-phase project is well under way. Phase II involves replacing the asphalt on Runway 08-26 and adding a crown to the runway in order to alleviate prevalent drainage issues.

Milling operations and the majority of electrical work is complete. The contractor is currently placing the surface coarse of asphalt on the runway and landscaping is being done to add the final touches to the project.

Careful coordination between the contractor, DND, Serco (DND's Alternate Service Delivery provider in Goose Bay) and DCC is required in order to minimize the project's impact on 5 Wing and to maintain the airport's operations capability.

Work is progressing very well and the contractor anticipates being able to complete the work well in advance of the October 15, 2007, scheduled completion date.

Adding to this project, a separate \$1.5 million contract to replace the Airfield Lighting Power Centre is being tendered and work should be complete by Spring 2008.



A C-17 Globemaster III makes its approach to a shortened Runway-34.

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[current facilities] not very nice accommodation and it's not very temperature controlled — the new building is a state-of-the-art facility that is designed to LEED silver standard. This means, among many other things, that people get environmental controls right at their workspace, which adds to their comfort.”

The unit reflects a key priority for DND. Formed after the terrorist attacks of September 11, 2001, it focuses on responding both domestically and internationally to a wide range of potential hostilities, including nuclear, biological and chemical threats. To assist it, the unit has its own fleet of vehicles, along with a variety of special equipment.

The multi-purpose building will feature approximately 5,300 square metres of ground floor space that includes storage areas, workshops, vehicle service bays and other areas to meet the unit's unique technical and operational requirements, along with second-floor office space.

DCC has been working with the client since the project's beginning five years ago, assisting with statement of requirement and performance specification drafting — and will stay involved through the current contract management process, including commissioning.

“One of the biggest benefits for the client is just having a local presence on the site,” says O’Leary. “This is a National Defence

Headquarters (NDHQ) project, based in Ottawa, and the users are away for training quite often, so our office provides a point of consistency and continuity for both the users and Ottawa. DCC is here, right on site for them.”

Wong notes that DCC brings to the project a familiarity both with general construction practice and the project specification, thus helping to spot any discrepancies or deviations from the documentation — while keeping the project on schedule.

“This is a very challenging project, and we are very happy to deliver a quality project to our client on time and hopefully on budget,” he says. “We are also happy to work together with DCC to get this project done.”



# CMTC infrastructure at CFB/ASU Wainwright

The Canadian Manoeuvre Training Centre (CMTC) opened at CFB/ASU Wainwright in 2006, but that milestone was just the first in a long series of related projects for DCC.

“It’s more than one project, from a construction point of view,” says Peter Burgess, Manager, Site Operations for DCC at the Alberta base.

CMTC provides a final 28-day training phase to task forces about to be deployed. That training includes time in the state-of-the-art Weapons Effect Simulation (WES) facility, where soldiers polish their skills in responding to guerrilla gunfire and other threats. In all, four groups of 1300 soldiers each are expected to go through CMTC training each year.

The initial stage of the CMTC project involved constructing a headquarters, an exercise control building to house WES equipment and several mock villages to be used in training exercises.

Now DCC is working on a variety of other jobs, such as a \$30-million extension to the vehicle maintenance facility. “The training centre uses so many vehicles that they’ve actually tripled the size of the fleet here,” Burgess explains. To aid in the design of this building, DCC is drawing on its specialized knowledge of fire codes and fuel spill containment structures.

Another \$30-million project currently in the design phase is an expansion to the kitting facility, where equipment and vehicles used in CMTC exercises will be stored. As part of this job, DCC is taking measures to protect a nearby wetland.

In addition, DCC is working on a \$15-million operational facility to store apparel, vehicles and equipment used by “opposing forces”—DND soldiers who play the role of enemy fighters in exercises.

Due to CMTC, the base’s permanent population has soared from 250 military personnel in 2003 to 700 soldiers today, along with their families.



The finishing touches are being put on this \$20 million, 60-unit rental housing project at CFB Wainwright.

As a result, DCC is working on several projects outside CMTC itself.

For instance, it is putting the final touches on a \$20-million, 60-unit rental housing project on the base. In summer 2007, DCC also began building a \$20-million light armoured vehicle storage facility, due to be finished in spring 2008.

Burgess’s team is assisting DND in developing plans for a new base community centre, and looking at ideas for renovating the fitness facility and the base headquarters. Many Wainwright buildings, dating back to the base’s roots in the Second World War, are old, small and insufficient for current needs.

DCC, along with DND and the contractor, is striving to achieve Leadership in Energy and Environmental Design (LEED) Silver certification for most of the new buildings. To do so, it is

incorporating “green” elements, such as systems to collect rainwater.

All in all, DCC expects to be working on some \$200 million in projects at Wainwright over the next decade. “It just gives you an idea of how big the base is growing, and how fast,” says Burgess. Traffic has already increased to the point that DCC is building a new road on the base.

DCC’s site office is growing along with the base. In 2003, it had just three employees. By mid-summer 2007, it had 12, with plans to hire two more.

# Project Update – 12 Wing refit

With the “first concrete” of the 12 Wing Common Support Facility being poured in mid-July, work on the largest contract DCC ever awarded has begun and is progressing well.

DCC is overseeing the construction of three new in-service support facilities: the 423 Maritime Helicopter Squadron Facility, the 12 Air Maintenance Squadron Facility and the 12 Wing Common Support Facility.

These in-service buildings are only a small part of the multi-phase refit the base is undergoing in preparation for the arrival of the new CH-148 Cyclone Helicopters, scheduled to begin in January 2009. Municipal services upgrades, the construction of a training facility and Shearwater Helicopter Conversion Project are also being conducted.

The \$13 million Heliport project includes updating the airfield infrastructure (including the landing area, taxiway, approach lighting and transit areas) to support both current Sea King operations and future Cyclone operations. Work began in June 2007 and should be completed in November.



The “first concrete” of the 12 Wing Common Support Facility was poured in mid-July.

## Regional Award Winners

### Atlantic Region

The Regional Director’s Award went to Jean-Frédéric Lalonde, Project Support Officer, and Danny Dobblessteyn, Contract Coordinator, received the Employee Appreciation Award. Both winners work at the Gagetown Site Office.

### Ontario Region

The Regional Director’s Award went to Bill Geick, Contract Coordinator, and Ryan Lawson, Assistant Manager, Site Operations, received the

Employee Appreciation Award. Both winners work at the Petawawa Site Office.

Merits Awards were also presented to Vern Haggerty, Manager Site Operations, Trenton Site Office; Ron Bachelder, Contract Coordinator, Kingston Site Office; Susan Girling, Administrative Assistant, London Site Office; Steve Chinnatamby, Project Support Officer, Trenton Site Office; Neelima Deshmukh, Contract Coordinator, Toronto Site Office; and, Dan Bérubé, Environmental Coordinator, North Bay Site Office.

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Defence Construction Canada (DCC) is a Crown corporation with a mandate to provide contracting, construction contract management and related services to the Department of National Defence (DND).