



# DCC At Work

The Client Services Newsletter of Defence Construction Canada

## DND Water Treatment Solutions

DND has asked DCC to handle the contract for a new re-locatable wastewater treatment plant. If it goes well, it could open up the possibility of DCC going into benign theatres to augment DND's own staff.

"CF Logistics Officers in the field tend to have a lot of experience with finance but not as much with contracting," says Blake Lines, the section head for General Support Equipment in the Directorate of Field Support and Common Equipment Program Management. "We normally go through PWGSC for equipment purchases, but here we're using DCC because of their expertise to oversee testing and the potential construction component upon installation."

Wastewater is a particular problem. "We're driven by the requirement to meet Canadian environmental regulations for treating wastewater," says Lines. "As well, the wastewater treatment system must fit

into standard 20 ft. ISO containers so it can be moved anywhere in the world. To date, this has not been done successfully with a system that can be redeployed."

For Louis LeMay, an environmental engineer now working in contract management for DCC, these are familiar issues. "I had done a design on a similar system for a rural school, so it gave me a certain technical ability to understand issues involved in the contract."

LeMay will manage the contract with Zenon, a company that had provided the tactical water purification system used by Canadian troops in Afghanistan and will provide the new re-locatable waste-water treatment plant. The Zenon system itself uses membranes in combination with a bioreactor to produce a higher quality effluent than conventional wastewater treatment.

Now that the Zenon system has been picked, Le May will oversee the testing of the system. "I'm making sure it performs," he says.

First, Zenon will provide a prototype, which will be sent to a National Research Council of Canada lab. The NRC will do "impact tests," meaning that the wastewater system will be mounted on railcars that will be crashed together to test for possible structural damage.

Then, the unit will be shipped to Gagetown, in which it will endure three hard seasons of Canadian weather. At least once, the whole system will be decommissioned, taken apart and moved to a new site, to see how it performs after being moved.

If the unit survives under pressure, DND will make greater use of the Zenon system. And the same probably applies to DCC!

## Joint Achievement



Last issue reported on an award given for an environmental project that was recognized by the US government as a "compliance project of the year." This picture, taken at the

annual conference of the Strategic Environmental Research and Development Program (SERDP), shows the winners.

**Back row (left to right):** Dr. Guy Ampleman, DRDC, Valcartier; Dr. Judy Pennington, US Army Engineer R&D Center, Vicksburg; Dr. Sonia Thiboutot, DRDC, Valcartier; Dr. Tom Jenkins, US Army Engineer R&D Center, Vicksburg; Hans Mooij, DCC Western

Regional Office **Front row (left to right):** Mr. Drew Craig, 4 Wing Env O, Cold Lake; Mr. Jeff Lewis, DRDC, Valcartier; two unknown persons.

## Community Service

As a cold snap swept through Ottawa, DCC staff cleaned out their closets to find warm clothes for Mission House ([www.ottawamission.com](http://www.ottawamission.com)), a local organization that helps the city's poor and homeless. Mission House put out a special call for men's clothing.

## PMI Courses Offered

DCC is encouraging as many DCC personnel as possible to obtain their "Project Management Professional" certificates. Potential candidates must have 4500 hours of project management experience and a bachelor's degree or 7500 hours experience without a degree. After attending an exam preparation course and completing 50 to 100 hours of self-directed study, candidates then write a four-hour exam set out by the Project Management Institute (PMI).

The DCC National Operations Group has a license from PMI and a qualified instructor conducts the courses in-house. DCC plans to offer courses for base personnel in each region over the next few months.

For more information, contact Hans Gartner, Special Projects, NOG at 613-293-5210 or [gartneha@dcc-cdc.gc.ca](mailto:gartneha@dcc-cdc.gc.ca).

Minister of Defence John McCallum was on hand to dedicate the DeWolf Centre, a new expansion to the Canadian Forces College in Toronto. Also in attendance at the December 6 event were LCol Bellerose (team leader of the project managers) and Maj Nagleisen (project director) as well as Sia Salehi (project manager). Representing DCC were site supervisor Alan Dunn and contract co-ordinator Tommy Young. DCC handled contract management and commissioning, and in his remarks, the college's Chief of Staff thanked DCC for its "excellent work."

In December, DCC mid-level managers gathered in Cornwall for a three-day program to build their management skills. The session worked within an overall framework of accountability, risk management and value-added service, so that the managers will have a better handle on the skills they will need as they are promoted within DCC. Attendees gained tips on how to translate corporate priorities and performance objectives into small group goals and individual performance goals, using business development techniques, as well as tips on how to be aware of the connection between quality and value-added client service.

Bill Deveau has been named the new Senior Contracts Manager (613-998-9550) at the National Operations Group (NOG). Bill joined DCC in 1980 and has worked at many site and regional offices, as well as for Head Office. In his new position, he will be accountable for the Ottawa Site Office and for such contract management functions as the work involved in the Dew Line Clean Up. He will also support other NOG sections, notably Environment Services and Infrastructure Support.

On January 16 and 17, Tony Ambrosio went to a session on teambuilding, held for his base engineering clients at CFB Suffield. The session, held in Medicine Hat, Alberta, included a dozen DND staff, including all branch heads. For Ambrosio, the session was an opportunity to better understand the client's perspective and the inner workings of how base engineering works at Suffield.

**What's New at DCC**

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## Integrating Service Lines

Just as DCC's clients are spread across the country, so is DCC. And just as clients need a lot of different kinds of expertise at once, DCC can blend the right team of experts to provide exactly the services DND needs. As a result, DCC is able to offer experts that integrate across service lines. Among its offerings are environmental services, technical support services, project management support and facilities management services.

These service lines in turn offer integrated, multi-disciplinary expertise. At environmental services, for example, DCC maintains a core staff of environmental

experts who help DND clients implement sustainable development strategies and other environmental initiatives. Personnel include environmental engineers, biologists, and other scientists and specialists, each of whom brings specific knowledge to a project.

At CFB Shilo, for example, the manager of the Western Region had to characterize a firing range 25 km east of Brandon, Manitoba. This required a multi-disciplinary team that could determine the environmental condition of the soil, groundwater and plants. This work won an award at the annual conference of the Strategic Environmental

Research and Development Program (SERDP), a part of the US Department of Defense. (See picture on page 1).

Another project, the ongoing demolition of private married quarters (PMQs), involves both environmental services and project management. Jan Brodeur (613-995-7844) works with DND and co-ordinates the work of environmental specialists and other consultants across the country. These are the people who do the environmental assessments, hazardous-materials surveys and waste audits of the sites. This project is in its third year, and so far, roughly 700 PMQs have been demolished.

### *A national plan for integrating environmental services*

In Winnipeg, from November 25 to 27, the environmental services group met for the first time to discuss a national service plan that assembles talent from across the country to better meet DND needs.

The conference brought together 35 DCC environmental services staff, as well as regional directors and DND personnel.

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