



Defence Construction Canada

2009 Remediation Technologies Symposium

Ross Welsman

Director – Atlantic Region

National Service Line Leader – Environmental Services

October, 2009

Canada

Agenda

1. Introduction to Defence Construction Canada
2. Environmental Services in DCC
3. DND Environmental Projects
 - Goose Bay Remediation Project
 - MARLANT Contaminated Sites Program
 - MARPAC Contaminated Sites Program
 - Valcartier TCE Clean Up Project
 - Dew Line Clean up Project
 - Pine Tree Park Remediation Project
4. Doing Business with DCC

1. Introduction to Defence Construction Canada (DCC)

- Crown Corporation
- Incorporated under the Defence Production Act
- Defence Construction (1951) Ltd.
- DCC's mission, operational activities and culture are focused on providing services to support the Department of National Defence and the Canadian Forces.
- DCC is the principle provider of infrastructure, environmental and project management support services to DND.
- DCC is Contracting Authority for DND Infrastructure and Environmental Projects.
- DCC has site offices at all bases and wings where our staff work closely with DND Engineering and Environmental staff.

2. Environmental Services in DCC

- Environmental Services is an important Service line in DCC
- There are 120 environmental professionals in DCC, distributed across the country
- DCC has 5 Practice areas in Environmental Services
 - Environmental Assessments
 - Environmental Management Systems
 - Hazardous Materials
 - Contaminated Sites
 - Unexploded explosive ordnance
 - Biological Services
- Some environmental work is done in house while the majority is contracted to industry

3. DND Environmental Projects

- **Goose Bay Remediation Project**
 - Air Force Base built during WW2
 - Large quantities of jet fuel stored
 - Low flying jet fighter pilot training
 - Contamination resulting from base operations

Goose Bay Remediation Project



Goose Bay Remediation Project



Goose Bay Remediation Project



Goose Bay Remediation Project



3. DND Environmental Projects

- **Marlant Contaminated Sites Program**
 - Maritime Atlantic, East Coast Navy
 - Largest Military Base in Canada
 - Contamination resulting from Base Operations

Marlant Contaminated Sites Program



Marlant Contaminated Sites Program



Marlant Contaminated Sites Program



3. DND Environmental Projects

- **Marpac Contaminated Sites Program**
 - Maritime Pacific, West Coast Navy
 - Contamination resulting from Base Operations

Marpac Contaminated Sites Program



Marpac Contaminated Sites Program



Marpac Contaminated Sites Program

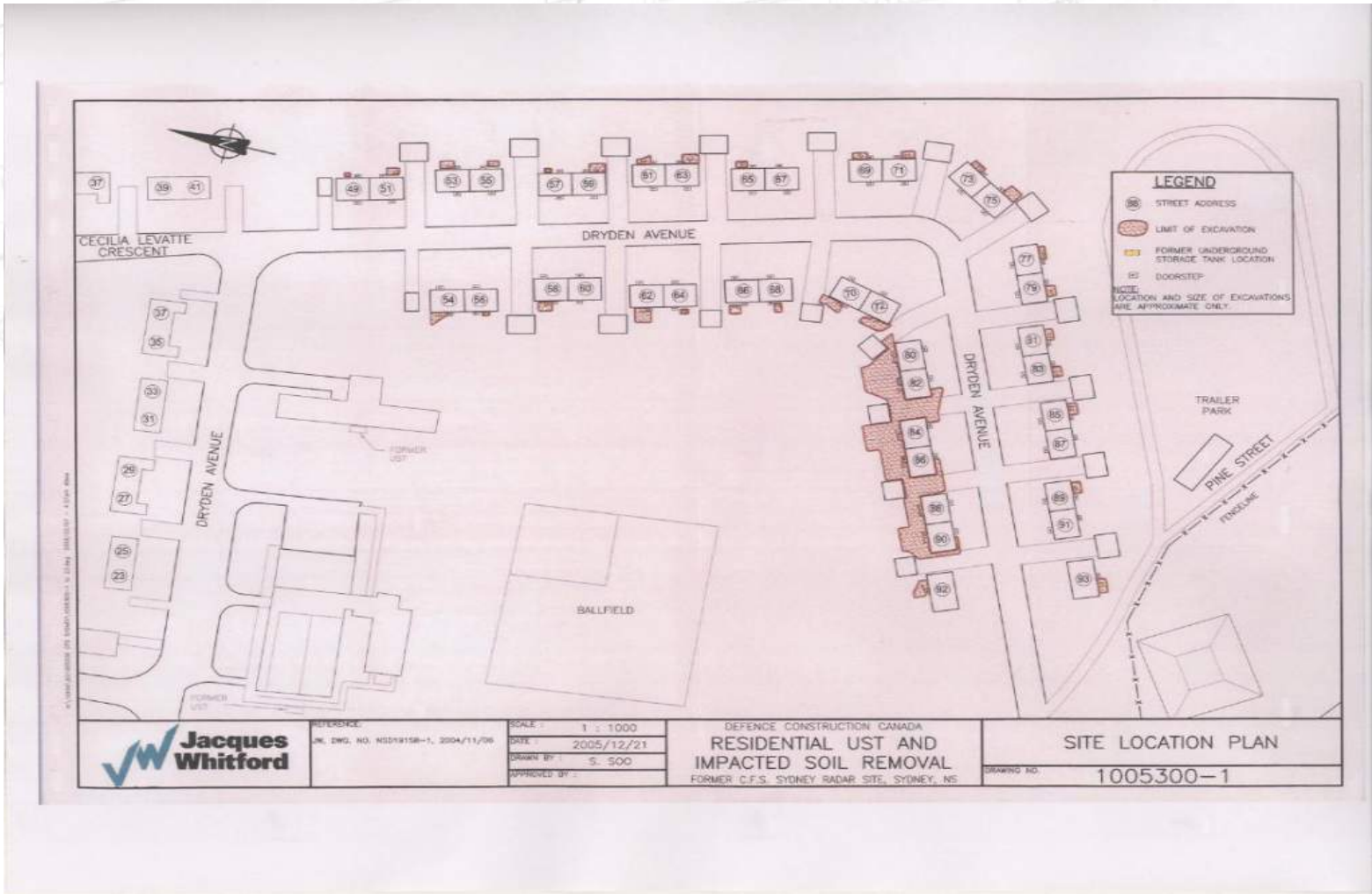


3. DND Environmental Projects

- **Pine Tree Park Remediation Project**

- Small radar station in Sydney, NS
- Affected area is a housing complex
- Underground fuel tanks at each house

Pine Tree Park Remediation Project



Pine Tree Park Remediation Project



Pine Tree Park Remediation Project



4. DND Environmental Projects

▪ Valcartier TCE Clean Up Project

- Army Base in Quebec
- Trichloroethylene was used as a metal degreaser for many years
- TCE was discovered in the Base Water Supply in 1997

Valcartier TCE Clean Up Project



Valcartier TCE Clean Up Project



Valcartier TCE Clean Up Project



Valcartier TCE Clean Up Project



5. DND Environmental Projects

- **DEW Line Clean Up Project**

- **21 Early warning radar sites**
- **Built in the 60's and closed 93**
- **Remove hazardous materials and construct engineered landfills**

DEW Line Clean Up Project



DEW Line Clean Up Project



4. Doing Business with DCC

- Leverage Industry capacity
- Competition
- Specialized Environment Projects

Consultant Contracts

Request for Abbreviated Proposal (RFAP) – 1 step

- Issued for specific project work or to set up Source Lists, or Standing Offers
- Tender document will describe the type of work required including all deliverables as well as milestones
- Necessary information such as evaluation criteria, submission requirements and budget are included

Consultant Contracts

Expression of Interest (EOI) and Request for Proposal (RFP) -2 step

- EOI responses short-listed based on highest score after evaluation
- The short-listed companies are then invited to submit a more complete proposal in response to the RFP
- This process is used to bring the most qualified firms to the RFP stage and not impose an undue cost burden on the industry

Consultant Contracts

Evaluation Criteria

- Projects
- Qualifications
- Organizational Chart
- Approach & methodology
- Work Breakdown Structure (WBS)
- Schedule
- Responsibility Assignment Matrix (RAM)
- Price

Consultant Contracts

- The typical scoring on consultant projects is 85% technical and 15% price
- For a two-step process, the EOI score forms 30% of the final score, while the technical score in the RFP stage is 55% and the price is 15%
- The contract is then awarded to the highest scoring firm

Construction and Service Contracts

Regular tender:

- More complex construction projects involving multiple trades
- Usually out to tender on Merx for a number of weeks

Tender board:

- Generally for single trade and less complex projects
- Usually out to tender for two weeks

Quick response tender:

- Generally for small, simple projects <\$100,000 off approved source lists (QRT lists for various trades)
- Usually out to tender for one week

Construction and Service Contracts

Tender form:

- Same format for all 3 types of construction tenders
- Typically a lump sum contract
- Occasionally a unit price table is included and must be completed by the contractor
- Contract is awarded to the lowest compliant bid

Construction and Service Contracts

How to complete a tender form:

- Complete tender form by entering all required information such as price, legal name, address, GST/HST registration number, address, number of amendments
- Apply corporate seal if necessary
- Do not add any additional information either on the tender form or as an attachment

Construction and Service Contracts

How to submit a tender:

- Register with Merx for the project to receive the correct tender form and all amendments
- Submit to the specified closing location prior to tender close
- Only original tenders will be accepted – no faxes or photocopies
- Only include what is requested, such as bid bonds

Specialized Contracting for Remediation Projects

- Allocating Risk
- Work involves both construction and consulting work
- Design/Build/Operate

Qualified Contractors

- Two envelop process
- Envelope 1 provide list of similar projects completed
- Envelope 2 is price
- Award is based on price

Invitation to tender (ITT)

- Highly specialized, technical project
- Two envelope process
- Proponents are evaluated
- Meet a minimum score
- Price envelopes are opened
- Award is based a blend of technical evaluation and price

Finding and bidding on contracts

- Merx
 - www.merx.com
- Newspaper Ads
 - Local newspapers
- Office Locations
 - Construction associations, and local DCC offices

Finding and bidding on contracts

- MERX -

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EDP and Office Equipment
Electrical and Electronic Equipment
Energy
Engines, Turbines, and Propellers
Fabricated Materials
Fire Fighting, Safety and Security
Food

- Independent private sector tendering service: www.merx.com

- All federal government publicly tendered projects posted on MERX.

- Contractors can obtain contract documents by ordering them online through MERX.

- Professional consultants can access RFP opportunities.

Finding and bidding on contracts

- MERX -

- Search on “Defence Construction Canada” or a specific location
- Project information
- Brief description of the project
- Closing date
- Estimate project value
- How to obtain the documents

Finding and bidding on contracts

Local information

- Newspaper ads are placed on an occasional basis and posted in conjunction with a posting on MERX.
- DCC site offices and local construction associations also have information.



Defence Construction Canada

In Closing

**Thank you for your interest in project
opportunities with
Defence Construction Canada**

www.dcc-cdc.gc.ca