

DEPARTMENT OF NATIONAL DEFENCE

ENVIRONMENTAL DISCLOSURE REPORT

DUNROBIN ANTENNAE YARD

JULY 1995

## ENVIRONMENTAL DISCLOSURE REPORT FOR DUNROBIN ANTENNAE YARD

- Refs: A. Environmental Baseline Study, M.M. Dillon Ltd., March 1993.  
B. Preliminary Site Investigation Checklist, Jun 1994.

### General Description

1. As outlined in Ref A, (pertinent pages attached), the Dunrobin Antennae Yard Site measuring 153 Hectares (Map -Annex A), is located at the intersection of Rural Rd 9 and Baskins Beach Road, just west of the community of Dunrobin. The land is designated "Marginal Resource" in the West Carleton Official Plan which allows for low density (2 acre lot) single family dwelling development. The area is zoned Rural (RU). The site ceased operations in 1993 and the antennae removal started in February 1995 with completion expected in June 1995.

2. One concrete building measuring 25.8 SM remains on the site along with concrete base plates for the antennae and numerous anchor points. The anchor points have been cut down to the level of the concrete. The fencing and the gate across the service road remain. Numerous cables exist in the ground that radiate out from the small building. The electrical and communication lines servicing the building are underground and remain in place (Annex B).

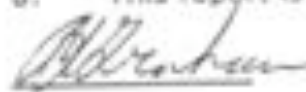
### Environmental

3. The following table (Annex C) outlines the environmental issues involving this property with the photographs in Annex D.

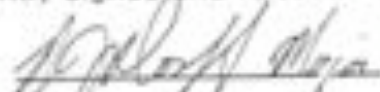
### Summary

4. This report summarizes the current status of this property and discloses those activities/concerns which are environmental significant. As shown in the photographs, as of 24 July 1995 this site is "environmentally clean".

5. This report is jointly signed and released by the following officials:



Mr Brian Graham  
CFSU Ottawa (Uplands)  
Environmental Officer



Major Norman Dorff  
IRP 5-5  
Decommissioning Officer



Mr Boyd Foster  
IRP 5  
Head Decommissioning

6. Should you wish to discuss any aspect of this report, please contact Major Norman Dorff, IRP 5-5, 945-7436.

## 11.0 DUNROBIN ANTENNAE YARD

### 11.1 SITE DESCRIPTION

The Dunrobin Antennae Yard is a remote receiver site. The Commanding Officer of CFS Carp is responsible for this site. The site consists of a single communications building and an expansive antennae field (see Plate II-11-1). The site is not occupied on a regular basis by DND personnel. The site does not have the services and infrastructure that are associated with most sites. Any garbage produced during maintenance is removed at the same time. No hazardous materials are stored at the site. Figure II-11-1 provides a land use site plan for this location.

The only activities included for consideration at this site are as follows:

<u>CODE</u>	<u>ACTIVITY</u>
14	Pesticide Application
15	POL Handling

No issues of non-compliance were noted at the site.

#### 11.14 PESTICIDE APPLICATION

Pesticide applications are contracted out through BCE. At the time this report was written, the contract was with Standish Brothers Limited. Chemical spray records from 1991 indicate that a total of 40 l of Spike 80W was applied at the CFS Carp, Almonte and Dunrobin sites using a truck mounted sprayer. A total of 4 ha were treated. No information was provided on what areas were sprayed or how much chemical was applied to each individual site.

The spraying was performed to restrict growth of mixed brush and weeds. Soil sterilization is done by BCE staff on a yearly basis around the antennas.

No recommendations for monitoring or mitigation are made for this activity as impacts are expected to be minimal.

#### 11.15 POL HANDLING

Information pertaining to the POL handling at Dunrobin is summarized in Table II-11-1. There is only one POL tank at Dunrobin. It is a buried tank containing heating oil. The tank supplies the APU. The APU is run once a month for a short period of time to ensure that it is operational. A BCE listing for tank removal/replacement indicates that this tank is to be replaced in 1996/1997.

No issues of non-compliance were noted regarding this activity during the site visit.

## SITE ASSESSMENT SUMMARY

ACTIVITIES	Activities Evaluated													Number of Recommended Action Items			Total Action Items			
	1	2	3	4	5	6	7	8	9	10	11	12	13	Millipore	Monitoring	Pos. Action				
Air Emissions Asbestos Waste Handling Biohazardous Waste Handling Drinking Water Supply Fire Fighting/Damage Control Training Harbour Charge Handling Hazardous Materials Handling & Storage Heating Systems Incinerators International Garbage Noise Pollution PCB Handling Pesticide Applications PCL Handling Solid Waste Handling Stormwater Discharges Toxic & Hazardous Waste Handling Waste Oil Handling Wastewater Handling Worker Operations Field Training																				
* Activity Number *	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
SITES	Activities Evaluated													Number of Recommended Action Items			Total Action Items			
Almonte Antenna Yard	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0
Beaver Barracks	e	-	e	-	-	e	-	-	-	-	-	-	-	-	-	-	0	0	2	2
HCMS Cechelon	e	-	e	-	-	-	-	-	-	-	-	-	-	-	-	-	4	0	3	7
CFS Carp	e	-	e	-	-	-	-	-	-	-	-	-	-	-	-	-	17	0	3	20
HCS Carp	-	-	e	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0	2	4
Carter Square Armoury	e	-	e	-	-	-	-	-	-	-	-	-	-	-	-	-	2	0	2	4
Confederation Heights	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0
Connaught Range	e	-	e	-	-	-	-	-	-	-	-	-	-	-	-	-	10	0	1	11
Cornewall Armoury	e	-	e	-	-	-	-	-	-	-	-	-	-	-	-	-	2	0	2	4
Dunrobin Antenna Yard	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0
HCMS Droubeker	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	0	2	5
Holland Armoury	e	-	e	-	-	-	-	-	-	-	-	-	-	-	-	-	7	0	1	8
Hull Armoury	e	-	e	-	-	-	-	-	-	-	-	-	-	-	-	-	7	0	2	9
Leas Avenue Armoury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	2	2
CFS Letton	e	-	e	-	-	-	-	-	-	-	-	-	-	-	-	-	12	0	3	15
LETE, NRC	e	-	e	-	-	-	-	-	-	-	-	-	-	-	-	-	7	0	2	9
LETE, Orleans	e	-	e	-	-	-	-	-	-	-	-	-	-	-	-	-	14	0	7	21
Miraflores Beach	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0
National Defence Medical Centre	e	-	e	-	-	-	-	-	-	-	-	-	-	-	-	-	14	2	5	21
Richardson Transmitter	-	-	e	-	-	-	-	-	-	-	-	-	-	-	-	-	9	0	1	10
Rockcliffe (CFS Ottawa North)	e	-	e	-	-	-	-	-	-	-	-	-	-	-	-	-	20	0	4	24
Uplands (CFS Ottawa South)	e	-	e	-	-	-	-	-	-	-	-	-	-	-	-	-	27	0	11	44
Uplands Marina	-	-	e	-	-	-	-	-	-	-	-	-	-	-	-	-	2	0	0	2
Walls House	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	3	3
<b>Total Sites Assessed</b>	<b>2</b>	<b>4</b>	<b>8</b>	<b>17</b>	<b>2</b>	<b>0</b>	<b>8</b>	<b>17</b>	<b>4</b>	<b>1</b>	<b>3</b>	<b>8</b>	<b>7</b>	<b>4</b>	<b>10</b>	<b>8</b>	<b>174</b>	<b>0</b>	<b>80</b>	<b>264</b>

**LEGEND:** e: Activity is non-compliance or suspected non-compliance at time of inspection.  
 e: Activity evaluated and apparently in regulatory compliance at time of inspection.  
 -: Activity not applicable to the site at the time of the site visit.

TABLE B-1-1

# DUNROBIN ANTENNAE YARD - POL STORAGE

Asset ID	TANK DESCRIPTION				YEAR INSTALLED	INCLUDED IN BCE LISTING	REGISTRATION DOCUMENTED	COMMENTS	REGULATORY COMPLIANCE (See Note 1)	SUPPLYING
	Location	Type	Material	Volume (Gross)						
APU 01g	Outside	Underground	steel	2,273	heating oil	Yes	Yes	replace 9/6/97	Yes	APU

ES: 1. Based on COSEM Environmental Code of Practice, tanks containment provisions of the WCC and CIA 0129 and available information.

LEGEND: N/A = Not Applicable  
 N/A = Information Not Available  
 \* = Estimated Volume  
 \*\* = Assumed

TABLE B-11-1





Annex C to  
 Dunrobin Environmental Assessment Report  
 Dated \_\_\_ July 1995

Building	The 25.8 SM reinforced concrete building remains on site.	The building's power generator was removed in July 95. A small number of electrical distribution panel remain. There is no asbestos, mercury or lead within this building which is an environmental concerns. No further action is considered necessary.
Communication Lines	A host of communication lines remain in the ground between the building and the antennae [ Note Annex B attached]. These cables have been left in the ground with most of the exposed cable removed.	The cable are not an environmental concern. However, depending on how the property is used, these cables may need removal by the future owner. No further action is considered necessary.
Service Road	A single lane road crossed the property connecting the building with the antennae yard.	The road remains in place and is not an environmental concern. No further action is considered necessary.
Gate and Fence	A gate exist on the entrance road. A seven strand barb wire fence with steel support posts surrounds a portion of the property.	The gate and fence are not an environmental concern. These will remain on site. No further action is necessary.

Annex C to  
Dunrobin Environmental Assessment Report  
Dated \_\_\_ July 1995

Pesticides	The pesticide Spike 80W was applied to the site in 1991 to reduce brush growth.	In the fall of 1994 the ground was tested for pesticides; results were negative. No further action is required.
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Annex C to -  
Dunrobin Environmental Assessment Report  
Dated \_\_\_ July 1995

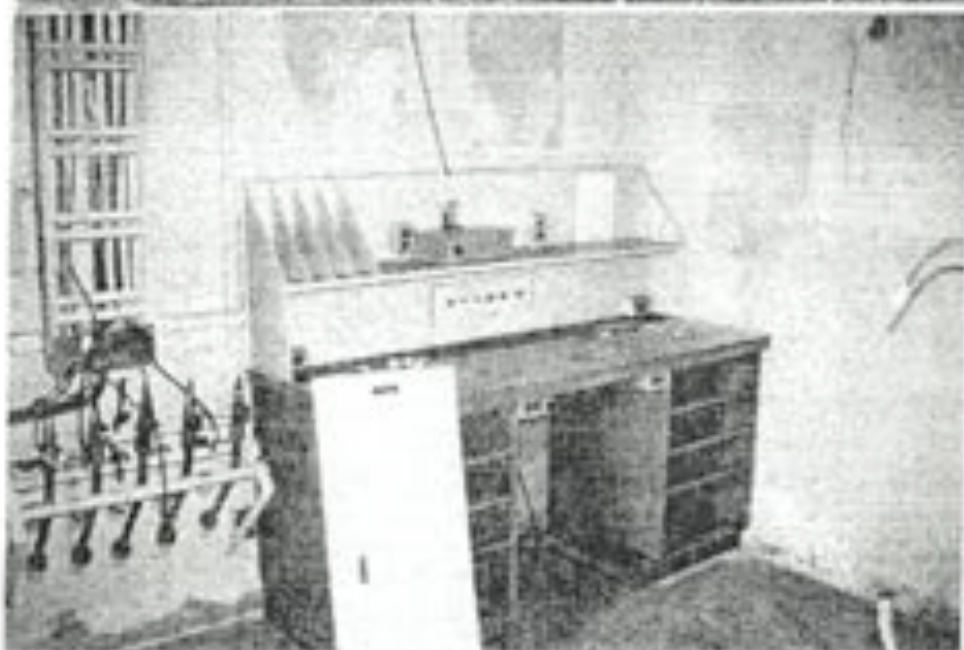
Environmental Item	Potential Concern	Future Actions
Antennae Farm	The concrete bases and anchors surrounding each antennae remain in place.	Depending how the property is used the bases and anchors may require removal. Environmentally the base plates and anchors are not an environmental problem or concern. No further action by DND is considered necessary.
APU Building	Two steel fuel tanks were installed. One, 2273 litres tank underground and one 205 litres tank inside the building to service the 8 KW diesel unit.	The underground fuel tank was removed 6 OCT 1994 by 7 Wing Construction Engineer Section(WCE). No signs of fuel contamination were evident. The 205 litres diesel day-tank was removed in July 1995 along with the diesel. The fuel was consumed by running the diesel. No further action is considered necessary.



Top - Photo 1. Dunrobin site. A typical concrete monument with the steel cut down to the concrete. (Photo taken 24 July 95).

Bottom - Photo 2. Concrete and steel anchoring point with the steel cut down to the concrete. (Photo taken 24 July 95).

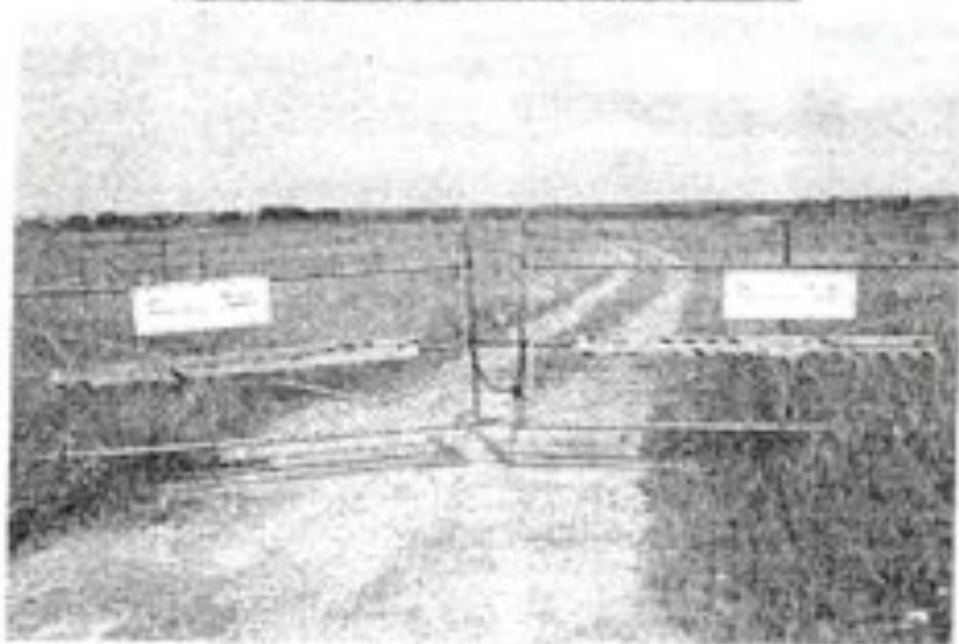
Annex D to  
Dunrobin Environmental Disclosure Report  
Dated July 95



Top - Photo 3. A photo of the exterior of the one building on site. No contaminants exist surrounding the building. The underground fuel tank was removed 6 Oct 1994 (Photo taken 24 July 95).

Bottom - Photo 4. Interior of building showing some of the equipment remaining. The auxiliary power unit was removed along with the day tank. No contaminants exist within building. (Photo taken 24 July 95).

Annex D to  
Dunrobin Environmental Disclosure Report  
Dated July 95



Photos 5 and 6. Photos of entrance gate and typical fencing that surrounds the property. (Photo taken 24 July 95).