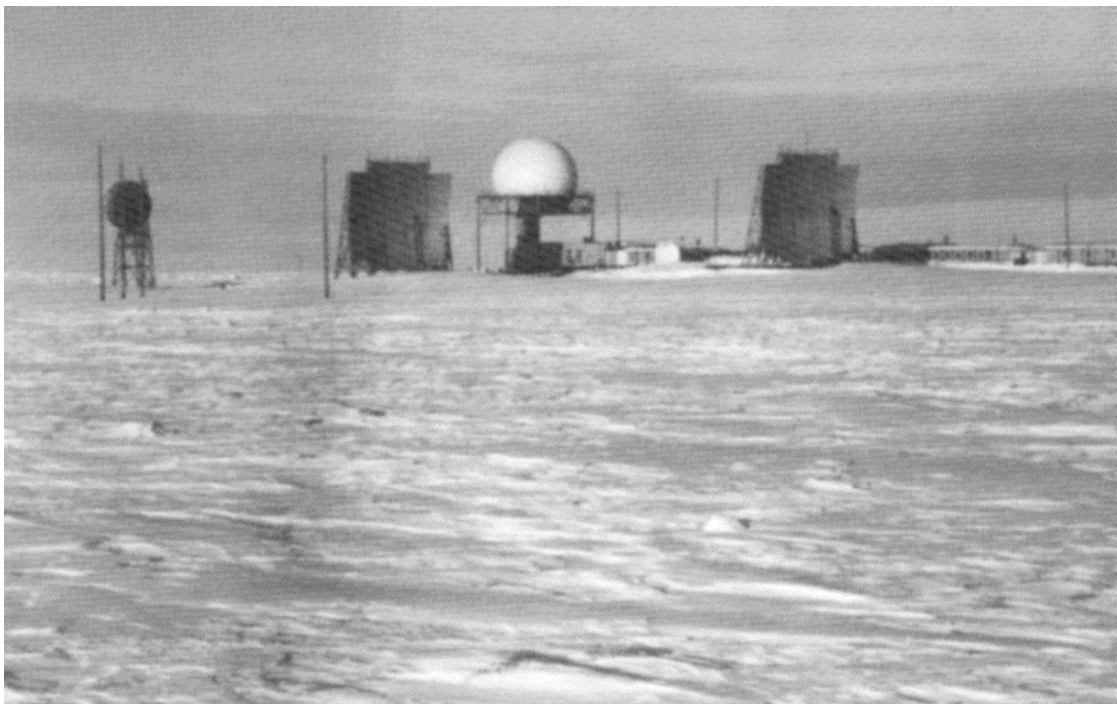


*Inventory to the*

UNITED STATES, AIR FORCE,  
DISTANT EARLY WARNING (DEW) SYSTEM,  
BAR-1 AUXILIARY STATION FONDS

*Held at the Yukon Archives*



April 1995

**Yukon**  
Education

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UNITED STATES, AIR FORCE,  
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*Cover photograph:* BAR-1 seen from the southwest, February 1993. Photo courtesy of D. Neufeld, Parks Canada.

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### **Note on Inventory Format**

The inventory has been created according to the *Rules for Archival Description*. Square brackets [ ] in the file list indicate that the title or description has been supplied by the archivist.

## FONDS DESCRIPTION

### **UNITED STATES, AIR FORCE, DISTANT EARLY WARNING (DEW) SYSTEM, BAR-1 AUXILIARY STATION FONDS. — 1952-1993; predominant 1988-1993.**

#### *Physical description*

1.8 m of textual records and other material.

#### *Administrative history*

In response to the perceived threat of a Soviet nuclear attack on North America, the United States government made continental air defense a high priority in the 1950s. In 1952, the U.S. Air Force granted a contract to the Western Electric Company, based in Illinois, for "Project CORRODE." The company designed and tested two prototype radar and communications stations in the north, surveyed a feasible Distant Early Warning Line across the Canadian Arctic, and recommended specific sites for the remaining DEW Line stations.

The first pair of DEW Line stations included the main station (BAR), located on Barter Island, Alaska, and an Auxiliary (BAR-1) near Komakuk Beach, Yukon. By early 1954, both stations were in operation; by June, despite the complexity of the equipment and the harsh environment, the DEW Line was accepted as technically feasible.

BAR-1 was the first DEW Line station in Canada. Its primary function was the detection and reporting of transpolar aircraft activity. The station in Ivvavik National Park closed down in June 1993 and was replaced by an unstaffed North Warning Radar System on the same site.

#### *Custodial history*

The United States Air Force retained some records from the BAR-1 station, notably those containing sensitive military information and personnel records. The USAF transferred the remaining records to Canadian Heritage-Parks Canada.

#### *Scope and content*

The fonds includes architectural drawings (eg. site plans, electrical diagrams, floor plans), reports, operations procedures and instructions, inventories, work schedules, checklists, administrative files, financial statements and educational material. The BAR-1 DEW Line Station generated and received this material. Most of the records date from 1988 to 1993. They primarily offer evidence of the station's operations and information about the DEW Line site during those years.

#### *Source of title*

Title based on contents of the fonds.

#### *Physical description*

The fonds consists of 1.8 m of textual records, 24 photographs, 1 videocassette, and 88 architectural drawings.

#### *Immediate Source of Acquisition*

Material acquired from Parks Canada in 1994.

*Arrangement*

The original order of the files was maintained if there was a corresponding index. In some instances, the archivist assigned an order based on the nature of the records in the series.

*Restrictions on access, use, and reproduction*

This fonds is closed for the lesser of a period of five years (2000) or until the conclusion of cleanup operations. Access to the records remains open to Parks Canada.

*Associated material*

Artifacts from BAR-1 are held by the MacBride Museum, Whitehorse, Yukon. Copies of site plans and original records not retained by the Yukon Archives are held by Parks Canada, Whitehorse, Yukon.

*Financial assistance*

This project was made possible by financial assistance through the United States Air Force LEGACY Program.

*Accession number*

Accession number 94/04.

## SERIES DESCRIPTIONS

### SERIES 1 - AS-BUILT DRAWINGS. — 1956-1993.

#### *Physical description*

.5 cm of textual records.  
79 architectural drawings.

#### *Administrative history*

The contractors operating the DEW Line sites, including the Western Electric Company, ITT FELEC (Federal Electric) Services and ITT Arctic Services, prepared the As-Built Drawings.

#### *Scope and content*

The series consists of architectural, structural, heating and ventilating, plumbing, electrical and fire protection drawings and diagrams. They reflect the layout of the site and the measures taken to ensure the safety and structural soundness of the BAR-1 station in the Arctic environment. The plans were updated as required.

#### *Source of supplied title proper*

Title based on contents of the series.

#### *Alpha-numeric designations*

The original numbers of the drawings correspond to the *As-Built Drawings Index*.

#### *Arrangement*

The order of the drawings has been maintained according to the *As-Built Drawings Index*.

#### *Finding aids*

A detailed item level description of each As-Built Drawing is available. See Yukon Archives Map cards under the heading *Komakuk Beach, BAR-1 DEW Line Station*.

Sub-series description follows.

### Architectural.— 1956-1993.

#### *Physical description*

.5 cm of textual records.  
26 architectural drawings.

#### *Scope and content*

The drawings contain architectural information about the equipment building, surveillance and communications center, radar building and transmitter and receiver rooms.

#### *Source of supplied title proper*

Title based on the *As-Built Drawings Index*.

File list follows.

<u>Location</u>	<u>File</u>	<u>Description</u>	<u>Original File No.</u>	<u>Date</u>
GOV 2857	1	As Built Drawing Index		1993
H-1937		Site Development	AAP-1-A	1990
H-1938		Building Site	AAP-2-A	1990
H-1939		Building Sections	AAP-3-A	1979
H-1940		Area Plan	AAP-4-A	1990
H-1941		Waveguide Supports Profiles	AAP-5-A	1971
H-1942		Airstrip	LS-15-(R)	1990
H-1943		Equipment Building - Plan, Door & Hardware Schedules	A-1-A	1990
H-1944		Equipment Building - Elevations	A-2-A	1990
H-1945		Surveillance & Communications Centre & Radar Building - Section & Details	A-6-A	1956
H-1946		Transmitter & Receiver - Units 3 & 4 Sections, Details & Interior Elevation	A-7-A	1990
H-1947		Building Train-Units 3, 4, 5 & 6-Attic Elev & Sec	A-8-A	1956
H-1948		Finish Schedule	A-9-A	1990
H-1949		Material Schedule	A-9a-A	1986
H-1950		Equip Bldg - Unit 1 - Intake & Exhaust Plenum Detail	A-11-A	1988
H-1951		Fire Barrier - Unit 2 - Plan, Elevation Section & Details	BD-2-1-A	1956
H-1952		Fire Barrier - Unit 2 - Pre-Fab Mod - Details	BD-2-2-A	1956
H-1953		Pre-Fab Mod - Transmitter - Unit 3 - Details	BD-3-1-A	1990
H-1954		Pre-Fab Mod - Rcvr - Unit 4 - Details	BD-4-1-A	1988
H-1955		Pre-Fab Mod - Surveillance & Communications Centre - Unit 5 - Details	BD-5-1-A	1988
H-1956		Surveillance & Communications-Unit 5- Folding Door Install Details	BD-5-2-A	1982



<u>Location</u>	<u>File</u>	<u>Description</u>	<u>Original File No.</u>	<u>Date</u>
H-1957		Pre-Fab Mod - Radar Unit 6 - Plans & Sections	BD-6-1-A	1990
H-1958		Pre-Fab Mod - Radar Unit 6 - Stair & Plenum Plans & Details	BD-6-2-A	1988
H-1959		Radar Unit 6 - Antenna Platform Plan & Details	BD-6-3-A	1988
H-1960		Radar Unit 6 - Sec Thru Radome & Radar Building	BD-6-4-A	1988
H-1961		Sections & Details-Units 0-2, U-1, 5-1, P-3, and T-2	BD-16-A	1986
H-1962		Shelving for Spare Parts Storage - Plan	ATD-5-A	1990

**Structural. — 1957, 1970-1971.**

*Physical description*

3 architectural drawings.

*Scope and content*

The sub-series contains structural drawings of the radar platform, equipment building foundation and tanks.

*Source of supplied title proper*

Title based on the *As-Built Drawing Index*.

File list follows.

<u>Location</u>	<u>Description</u>	<u>Original File No.</u>	<u>Date</u>
H-1963	Equipment Building- Foundation Detail P-8A	A-3-S	1957
H-1964	Radome Platform - Plans	BD-6-1-S	1970
H-1965	Tanks	TA-1-ST	1971

**Heating and Ventilating. — 1972-1992.**

*Physical description*

4 architectural drawings.

*Scope and content*

The drawings contain information about the heating and ventilating systems in the equipment building and the transmitter room.

*Source of supplied title proper*

Title based on the *As-Built Drawing Index*.

File list follows.

<u>Location</u>	<u>Description</u>	<u>Original File No.</u>	<u>Date</u>
H-1966	Equipment Building	A-1-HV	1984
H-1967	Equipment Building - Fan Room	A-2-HV	1984
H-1968	Fan Schedule & Details	A-3-HV	1972
H-1969	POL System- Plan & Details	C05-2-HV	1992

**Plumbing. — 1986.**

*Physical description*

1 architectural drawing.

*Scope and content*

The drawing contains information about the plumbing system in the equipment building.

*Source of supplied title proper*

Title based on the *As-Built Drawing Index*.

File list follows.

<u>Location</u>	<u>Description</u>	<u>Original File No.</u>	<u>Date</u>
H-1970	Equipment Building - Units 1-6 Including C02 System	A-1-P	1986

**Electrical. — 1960, 1983, 1988.**

*Physical description*

3 architectural drawings.

*Scope and content*

The sub-series contains electrical plans, including a drawing for the site and for the rotating beacon and tower.

*Source of supplied title proper*

Title based on the *As-Built Drawing Index*.

File list follows.

<u>Location</u>	<u>Description</u>	<u>Original File No.</u>	<u>Date</u>
H-1971	Area Plan	AAP-1-E	1988
H-1972	Distribution Details Trench & Cable Installation	DD-5-E	1960
H-1973	Rotating Beacon Sections & Elevations	RBT-2-1-E	1983

**Fire Protection. — 1971-1985.**

*Physical description*

8 architectural drawings.

*Scope and content*

The sub-series contains plans showing the fire alarm system for various buildings on the site.

*Source of supplied title proper*

Title based on the *As-Built Drawing Index*.

File list follows.

<u>Location</u>	<u>Description</u>	<u>Original File No.</u>	<u>Date</u>
H-1974	Fire Alarm System Site Plan & Details	AAP-1-FA	1985
H-1975	Equipment Building Units 1-6 Includes Fire Protection	A-1-F	1983
H-1976	Fire Control Equipment - Fire Ladder Details	A-2-F	1971
H-1977	Fire Alarm System- Corridor & Loc. Plan	A-3-F/A	1985
H-1978	Fire Alarm System- Equipment & R-1 Building	A-4-F/A	1985
H-1979	Fire Alarm System- Dormitory Buildings & Warehouse	A-5-F/A	1985
H-1980	Fire Alarm System- Utility & Storage Building	A-6-F/A	1985

H-1981	Fire Alarm System - J-Mech Bldg, Power Building, & Trans	A-7-F/A	1985
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**[Station] N.A.E. - 1953 Construction. — 1983-1991.**

*Physical description*

34 architectural drawings.

*Scope and content*

The sub-series contains plans for buildings on the BAR-1 site. The drawings include electrical, heating and architectural information.

*Source of supplied title proper*

Title based on the *As-Built Drawing Index*.

File list follows.

<u>Location</u>	<u>Description</u>	<u>Original File No.</u>	<u>Date</u>
H-1982	Floor & Roof Plan [Receiver building]	R1-1-01-A	1988
H-1983	Plan & Elevation [Receiver building]	R1-8-HV	1987
H-1984	Plot Plan & Details (Connecting corridors)	CO-5-3-E	1991
H-1985	Floor Plan & Elevations [East & West dormitory buildings]	D2-1-A	1983
H-1986	Roof & Floor Panel Layouts & Sect [East & West dormitory buildings]	D2-2-A	1983
H-1987	Plan & Elevation [East & West dormitory buildings]	D2-7-HV	1990
H-1988	Plan, Section & Detail [East & West dormitory buildings]	D2-12-PL	1988
H-1989	Plan, Sections & Schedules [East & West dormitory buildings]	D2-10-E	1983
H-1990	Floor Plan & Elevations [Utility building]	U1-1-A	1990
H-1991	Plan & Elevation [Utility building]	U1-10-HV	1990
H-1992	Plan, Section & Detail [Utility building]	U1-16-PL	1990
H-1993	Electrical Plan [Utility building]	U1-13a-E	1983

<u>Location</u>	<u>Description</u>	<u>Original File No.</u>	<u>Date</u>
H-1994	Utility Building UI & Storage Building S-1 Fire Alarm	UI-13b-E	1990
H-1995	Sump Tank, 90 Gal Capacity [Utility building]	UI-18-PL	1988
H-1996	Floor & Roof Plans [Storage & Recreation building]	S1-1-1-A	1988
H-1997	Plan & Details [Storage & Recreation building]	S1-1c-A	1983
H-1998	Heating & Ventilating Plan [Storage & Recreation building]	S1-8a-HV	1983
H-2007	Plan and Schedules [Storage & Recreation Building]	S1-11-E	1988
H-2008	Elevation and Section (1 of 3) [P-4, Power Building]	P4-2-1-A	1971
H-2009	Elevation and Section (2 of 3) [P-4, Power Building]	P4-2-1-A	1971
H-2010	Elevation and Section (3 of 3) [P-4, Power Building]	P4-2-1-A	1988
H-2011	Sections [P-4, Power Building]	P4-2-1-HV	1986
H-2012	Floor Plan and Elevations [J-Mech Shop]	P3-1-A	1988
H-2013	Plan and Elevation [J-Mech Shop]	P3-8-HV	1986
H-2014	Buildings P-3 & P-4 Fire Alarm	P3-11d-E	1984
H-2015	Plan and Elevations [T-2, Transit Dorm & Storage]	T2-1-1-A	1988
H-2016	Plans [Garage]	GAR-1-1-A	1988
H-2017	Elevations & Sections (1 of 2) [Garage]	GAR-2-1-A	1988
H-2018	Elevations & Sections (2 of 2) [Garage]	GAR-2-1-A	1988
H-2019	Plans [Warehouse]	WH-1-4-A	1991
H-2020	Elevations & Sections [Warehouse]	WH-2-4-A	1991
H-2021	Antenna Foundations Plans and Sections	TYP-63-1027-7-ST	1971

<u>Location</u>	<u>Description</u>	<u>Original File No.</u>	<u>Date</u>
H-2022	10,000 Gal Diesel Fuel Tank: Eye Level Diesel Tank Sight Gauge	TYP-65-630-1-M	1966
H-2023	Foundation & Framing Plan [Heated Water Storage]	P3-2d-A	1979

**SERIES 2 - COMMUNICATIONS AND ELECTRONICS FACILITY RECORDS. —  
1966-1992.**

*Physical Description*

.5 cm of textual records.  
7 architectural drawings.

*Administrative history*

The Communications and Electronic Operations Building consisted of five rooms containing the radar, console operations, radio equipment and a metal fire break. The radome, located directly above this building, contained the surveillance radar.

*Scope and content*

The series contains floor plans, prepared for the United States Air Force, and indexes to the Communications and Electronics Facility plans. The Communications and Electronics Facility Records (CEFR) index provides a detailed listing of the communications and electronic equipment drawings (e.g. electrical wiring, configuration diagrams). The floor plans detail the layout of the various rooms in the facility, including the location of equipment.

*Source of supplied title proper*

Title based on contents of the series.

*Alpha-numeric designations*

The plans have original numbers that correspond to the *CEFR Master Index*.

File list follows.

<u>Location</u>	<u>File</u>	<u>Description</u>	<u>Original File No.</u>	<u>Date</u>
GOV 2857	2	Communications and Electronic Facility Records - Master Index		1992
H-2000		Floor Plan Radar Room	10234	1987
H-2001		Floor Plan Transmitter RoomT-5G17-01A	17 01A	1966
H-2002		Floor Plan Surveillance Room & Communications Center, Station: Bar 1T-5G17- 01D	17 01D	1968
H-2003		Department of the Air Force Air Defense Command: Floor Plan, Garage Disaster RadioT5G-17-01G	17 01G	1989 (1976)
H-2004		Department of the Air Force Air Defense Command: Emergency Radio Room Plans T5G-17-OIL	17 01L	1983 (1976)
H-2005		Floor Plan Receiver Room Station Bar-1T- 5G17-01R	17 01R	1966

SERIES 2.COMMUNICATION AND ELECTRONICS FACILTY RECORDS

<u>Location</u>	<u>File</u>	<u>Description</u>	<u>Original File No.</u>	<u>Date</u>
H-2006		Outside Plant Site Plan Station Bar -1	T5G 17 05	1989 (1956)
GOV 2857	3	Comm and Elect Facility Records - Master Index Site-Bar-1 / 17 [Inactive drawings]	[CEFR] inactive	1991



**SERIES 3 - STATION FILES. — 1973-1993; predominant 1990-1993.**

*Physical Description*

1.8 m of textual records.  
2 architectural drawings.

*Administrative history*

The United States Air Force contracted out the construction, operations and management of the site. The contractors, including the Western Electric Company, ITT Federal Services and Federal Electric Corporation, hired civilian workers. The station supervisor's responsibilities included maintaining routine at the site and applying the station rules and regulations. He also controlled the communications and general social organization at the site.

*Scope and content*

The station files provide information about specific programs and activities at the site, particularly between 1990 and 1993 when the station closed. They reflect the organization and management of the station, and the staff's material, educational and social requirements.

This series consists of an index to the files, and files arranged in the following order at the station: Administration and Management (projects, site cleanup, general medical information, fire and emergency reports, payroll and training), Communications and Electronics (radar, inspections), General Files (operations, preventive maintenance, water treatment, environmental cleanup and hazardous materials), Logistics (food service, financial and freight records, visitors' information about the DEW Line station), Industrial and Social Relations (personnel, training, recreation and Recreation Committee records), and Quality Control and maintenance documentation. The first quarter of the 1992 Preventive Maintenance Schedule was retained as a sample of the schedules. Flight Manifests for 1990 were retained as samples of freight records. The records in this series include memos, reports, financial statements, inventory lists, schedules and checklists, two site plans, a visitors log, recipe cards and the Necessity Store Operating Reports from 1989 to 1991.

*Source of supplied title proper*

Title based on contents of the series.

*Alpha-numeric designations*

The original station files were organized according to the station files index.

*Arrangement*

These files are in their original order as per the station files index.

File list follows.

<u>Location</u>	<u>File</u>	<u>Description</u>	<u>Original File No.</u>	<u>Date</u>
GOV 2857	4a, b	NX Records (Historical) Retention: Current and/or 1 year	L9	1986-1990
GOV 2857	5	Property Records - Historical	L9-6	1991
GOV 2857	6	Flight Manifests [Freight]		1990

<u>Location</u>	<u>File</u>	<u>Description</u>	<u>Original File No.</u>	<u>Date</u>
GOV 2857	7	Flight Manifests		1990
GOV 2857	8a, b	1991 Sealift [Requisitions, invoices for freight]		1990, 1991
GOV 2858	1a-d	1991 Operating Reports [Necessity Store]		1991
GOV 2858	2a, b	1990 Operating Reports [Necessity Store]		1990
GOV 2858	3	1989 Operating Reports [Necessity Store]		1989
GOV 2858	4	Administration and Management [includes Station Files Index; Neufeld. "Draft Manuscript on History and Operation at BAR-1."]	A	1990, 1991
GOV 2858	5a, b	Projects (Work Order Status Reports)	A2	1992, 1993
GOV 2859	1	SRR Projects Info [Transportation and storage of equipment]		1992, 1993
GOV 2859	2a, b	90-0115 Site Clean Up Hazmat [file included map listed below]		1991-1993
H-1999		Map: Site plan - Landfill		1990
GOV 2859	3	91-0024 Fuel Clean-Up [includes Spill Report]		1992
GOV 2859	4	[Hazmat Waste Retrograde Progress Reports - labour; invoices]		1992, 1993
GOV 2859	5	Work Order Files	A3	1990, 1991
GOV 2859	6	AMT Management Info Summary [includes report re: cleanup; area maintenance]	A3-3	1990-1993
GOV 2859	7	Revenue Tickets	A4-4	1973-1987
GOV 2859	8	Unannounced Visitors Reports	A4-5	1991-1993
GOV 2859	9	Site Information Brochure	A5-3	[19-]
GOV 2859	10	Area Manager Correspondence/Directives	A6	1988-1992
GOV 2859	11	Permits & Licenses	A7	1989-1993
GOV 2859	12	Station Manager Reports (Daily Management Checklist and incident report)	A8	1990-1993
GOV 2859	13	Station changeover papers		1993
GOV 2859	14	Station Supervisors Changeover	A8-1	1991

*Inventory to the USAF, DEW SYSTEM, BAR-1 STATION Fonds*

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<u>Location</u>	<u>File</u>	<u>Description</u>	<u>Original File No.</u>	<u>Date</u>
GOV 2859	15	Fire Drill Reports; Fire protection Training Reports	A9-1	1991-1993
GOV 2859	16	Fire Training Reports	A9-2	1991-1993
GOV 2859	17	Fire Marshall Reports	A9-3	1991-1993
GOV 2859	18	Fire Protection Inspection Reports	A9-4	1991-1993
GOV 2859	19	Fire Brigade Duties	A9-5	1979, 1992
GOV 2859	20	Building Fire Warden Duties	A9-6	[19-?]
GOV 2860	1	Emergency Action Plan	A10-1	1990
GOV 2860	2	Emergency Action Drills	A10-2	1991-1993
GOV 2860	3	Security Procedures General	A11	1990-1992
GOV 2860	4	Security Roster - Clearances	A11-1	1992, 1993
GOV 2860	5	Quarterly Security Roster/TWX	A11-1a	1990-1992
GOV 2860	6	Review of Classified Holdings	A11-1e	1990-1993
GOV 2860	7	Appointments	A11-2	1992
GOV 2860	8	[Security] Training/Training Materials	A11-3	1989-1993
GOV 2860	9a, b	Training Records/Reports	A11-4	1990-1993
GOV 2860	10	Payroll Procedures	A12-1	1990, 1991
GOV 2860	11	Mail Service	A13	1989-1993
GOV 2860	12	Conferences	A15	1990-1993
GOV 2860	13	Necessity Store Operations - General	A16	1990-1993
GOV 2860	14a, b	1992 Store Operating Reports		1992, 1993
GOV 2860	15	Operator Appointments	A16-1	1989-1993
GOV 2860	16	Requisitions	A16-2	1989-1993
GOV 2861	1	Air Movement Priorities		[19-]
GOV 2861	2	DEW Line Station Bar-1 [Instructions for Third Party Personnel and Visitors]		1991
GOV 2861	3	Visitor Register Log		1993

<u>Location</u>	<u>File</u>	<u>Description</u>	<u>Original File No.</u>	<u>Date</u>
GOV 2861	4	Bar-One Off Station Log Book		1993
GOV 2861	5	Safety - General	A17	1989-1992
GOV 2861	6	Safety Meeting Reports	A17-1	1990-1993
GOV 2861	7	Safety Inspection Reports	A17-2	1990-1993
GOV 2861	8	Accident Prevention	A17-5	1985-1989
GOV 2861	9	Safety Training Reports	A17-6	1990-1993
GOV 2861	10	Safety Training Material	A17-7	1990-1993
GOV 2861	11	Medical Procedures	A18	1988-1993
GOV 2861	12	Request for Medical Supplies	A18-3	1992
GOV 2861	13	Narcotics Inventory/Reports	A18-4	1993
GOV 2861	14	Inspections	A19	1991-1993
GOV 2861	15	CPET [Contractor Performance Evaluation] Report	A19-2	1991, 1992
GOV 2861	16	Area Manager Reports/ROCA [Report of Corrective Action]	A19-4	1991-1993
GOV 2861	17	Arctic Star Visits	A19-5	1989
GOV 2861	18	C&E Operations [re: site closure]	C1	1988-1993
GOV 2861	19	Radar	C3-1	1989-1991
GOV 2861	20	Lateral Communications [re: site closure]	C3-3	1992
GOV 2861	21	Radome Inspection Certificate	C3-11	1990
GOV 2861	22	Inspections - General	C6	1991, 1992
GOV 2861	23	General Files	D1	1988-1990
GOV 2861	24	Power Plant Operations	D2	1990-1993
GOV 2862	1	Roads and Grounds [file included map listed below]	D3	1991
H-2687		Map: Snow Removal Plan		1989
GOV 2862	2	Preventive Maintenance	D4	1987-1991
GOV 2862	3	Module	D5-1	1989

*Inventory to the USAF, DEW SYSTEM, BAR-1 STATION Fonds*

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<u>Location</u>	<u>File</u>	<u>Description</u>	<u>Original File No.</u>	<u>Date</u>
GOV 2862	4	Real Property Installed Equipment (RPIE)	D6	1989-1991
GOV 2862	5	Refrigeration Systems	D7-2	1992
GOV 2862	6	Water Samples	D8-1	1987-1992
GOV 2862	7	Water Treatment Certifications	D8-2	1990- 1993
GOV 2862	8	Environmental Control	D11	1986-1992
GOV 2862	9a, b	PCB Inspection/Storage/Maintenance	D11-1	1989-1992
GOV 2862	10	Fuel Spills [includes <i>Report on Environmental Services, BAR-1, Komakuk Beach, Y.T.</i> ]	D11-2	1988-1991
GOV 2862	11	PCB Report - Quarterly	D11-15	1989-1991
GOV 2862	12	Energy Conservation	D12	1990-1993
GOV 2862	13	Food Service	L1	1989-1992
GOV 2862	14	Daily Ration Reports	L1-1	1991-1993
GOV 2862	15	PF Sequence Station Loading		1990-1993
GOV 2862	16	Inventory - Fruit and Vegetables		1991-1993
GOV 2862	17	Procurement - Fruit and Vegetables		1991-1993
GOV 2862	18	Inventory - Dairy		1991-1993
GOV 2863	1	Procurement - Dairy		1991-1993
GOV 2863	2	Inventory - Meat, Fish, Freeze		1991-1993
GOV 2863	3	Procurement - Meat, Fish, Freeze		1991-1993
GOV 2863	4	Semi Annual Inventories	L1-3	1991-1993
GOV 2863	5	Inspection Reports	L1-4	1990-1993
GOV 2863	6	Chef's Requisitions	L1-5	1992, 1993
GOV 2863	7	Receipts	L1-6	1992, 1993
GOV 2863	8	Food Shipments (RDO's)	L1-7	1992, 1993
GOV 2868		[Armed Forces Recipe Service "Index of Recipes"] [Part 1 of 3]		1989
GOV 2869		[Armed Forces Recipe Service "Index of Recipes"] [Part 2 of 3]		1989

<u>Location</u>	<u>File</u>	<u>Description</u>	<u>Original File No.</u>	<u>Date</u>
GOV 2870		[Armed Forces Recipe Service "Index of Recipes"] [Part 3 of 3]		1989
GOV 2863	9	<i>Bar-1 DEWLine Station Komakuk Beach, Yukon Terr. Welcomes (Site Transition Visit)</i> [Site description]		[198-?]
GOV 2863	10	Arctic Clothing [Requests]	L9-5	1990-1993
GOV 2863	11	Retrograde Reports	L10-3-1	1992
GOV 2863	12	Operations - General	01	1991, 1992
GOV 2863	13	Industrial and Social Relations [Miscellaneous memos, etc.]	P	1992, 1993
GOV 2863	14	Industrial and Social Relations - General	P1	1987-1993
GOV 2863	15	Workers Compensation	P2	[198-?]
GOV 2863	16	Training	P4	1986-1993
GOV 2863	17	Amusement and Recreation	P5	1989-1992
GOV 2863	18	Recreation Committee Activities Report Quarterly	P5-2	1989-1993
GOV 2863	19	Misconduct & Discipline	P6	[198-?]
GOV 2863	20	QCCL Index & Frequency Chart [checklist]	Q1	1990
GOV 2864	1	Monthly QCCL Reports [checklist]	Q2	1991
GOV 2864	2	Table of Authorized Daily Preventive Maintenance Checklists		[19-]
GOV 2864	3	Preventive Maintenance Scheduling file (First quarter)		1992

## **SERIES 4 - NECESSITY STORE RECORDS. — 1989-1993.**

### *Physical Description*

3 cm of textual records.

### *Administrative history*

Each DEW Line station had a Necessity Store, operated by contractor personnel, to provide basic supplies at the station. The Store also provided a cheque cashing service. The Station Supervisor acted as Necessity Store Supervisor.

### *Scope and content*

The files are primarily financial. They include transmittal and receipt forms, price and stock lists, and memos, and a permit to sell tobacco.

### *Source of supplied title proper*

Title based on contents of the series.

### *Arrangement*

This series consists of files which were probably located together at the site. They had no original numbers.

### *Related material*

For other material relating to the Necessity Store, see the following series: Station Files (GOV 2858, files 1 -3; GOV 2860, files 13 - 15) and Operations and Maintenance (GOV 2866, file 3).

File list follows.

<u>Location</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
GOV 2864	4	Record of Accounts	1989-1991
GOV 2864	5	[Memos re: stock orders]	1993
GOV 2864	6	[Memos re: pricing, stock]	1991-1993
GOV 2864	7	Necessity Store Transmittal and Receipt [Finance]	1993
GOV 2864	8	Necessity Store Operator Transfer of Accountability	1990-1992
GOV 2864	9	[Door signs with prices of merchandise]	[198-], 1993
GOV 2864	10	TT2B Tobacco Retail Dealer's Permit [issued to: <i>FELEC Services, DEW Line Station</i> ]	1990
GOV 2864	11	[Orders; includes items, prices, memo]	1992

**SERIES 5 - KOMAKUK BEACH CLUB (RECREATION COMMITTEE) RECORDS. — [196-?]-1993.**

*Physical Description*

6 cm of textual records.

1 videocassette.

*Administrative history*

Each DEW Line station was encouraged to have a recreation committee. Its principal purpose was to assist the Station Supervisor in maintaining a high level of morale. Recreation facilities at the sites provided some reprieve from the effects of isolation and harsh climatic conditions. At BAR-1, the Komakuk Beach Club operated a bar and snack shop in the largest lounge. Staff could also enjoy an extensive music collection in the music room. There was a television and VCR in this room and in the television/reading room; the Recreation Committee often ordered in videocassettes. Other facilities at the site included a dark room, gymnasium, weight training room, shuffleboard, pool table and table tennis table.

The BAR-1 Station Supervisor and the Area Manager at CAM-Main (main station at Cambridge Bay, NWT) were responsible for all functions and activities of the Komakuk Beach Club, and had control and custody of all recreation funds. The Recreation Committee had a board of directors and maintained a bank account in the Northwest Territories. ITT Federal Services coordinated the liquor purchases for all of the DEW Line recreation committees during the final years of operation.

*Scope and content*

These files contain financial records, including meeting reports, a brief activity report, freight bills, a record of cheques, and liquor and food orders. This series also contains lists of the club's assets, such as glasses and televisions, sold to staff at low prices when the station prepared for closure. There is also one videocassette and the index to the music (record) collection.

*Source of supplied title proper*

Title based on content of the series.

*Arrangement*

These files were probably located together at the site. They had no original file number.

*Related material*

For other material relating to the Recreation Committee, see the following series: Station Files (GOV 2863 files 17 and 18) and Operations and Maintenance (GOV 2865, file 17).

File list follows.

<u>Location</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
GOV 2864	12	Kitchen Expenses; P.X. Purchases [Recreation Club finance]	[19-]
GOV 2864	13	1989 Dead Files [Finance]	1989-1992
GOV 2864	14	CAN COM Services (Komakuk Beach Club) [Invoices re. Super Channel]	1990-1993



<u>Location</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
GOV 2864	15	Liquor Orders	1990-1993
GOV 2864	16	Inventory Forms; Master Bar CHIT [Blank forms]	1989-1993
GOV 2864	17	Contract Monitor Checklist Rules and Regulations	1989, 1990
GOV 2864	18	[Record of cheques]	1991, 1993
GOV 2864	19	Recreation Committee [Assets, activity report, inventory]	1992, 1993
GOV 2864	20	Recreation Committee Assets	1989-1992
GOV 2864	21	Free Nights & Gifts-Write-Offs	1990-1992
GOV 2864	22	Freight Bills	1989-1992
GOV 2864	23	Pop Purchases from Necessity Store	1991
GOV 2864	24	Meeting Reports	1989-1993
GOV 2864	25	Audit Reports	1988-1993
GOV 2864	26	Master Station Record Index	[19-]
V-357		<i>"Building the DEW Line"</i> [VHS videocassette, approx. 1 hour]	[196-?]

**SERIES 6 - TECHNICAL INFORMATION AND INSTRUCTIONS. — [198-?]-1992.**

*Physical Description*

3.5 cm of textual records.

*Administrative history*

Besides operating the DEW Line radar and electronic equipment on-site, the station used a variety of United States Air Force vehicles and heavy equipment to maintain the airstrip and roads, and to provide on-site transportation. Due to the isolation and conditions of the station, personnel had to rely largely on their own skills. A regular maintenance program helped to ensure the reliability of all equipment. Most mechanical repairs could be completed on-site, although major repairs were done at the main station at Cambridge Bay, NWT. The DEW Line headquarters in Virginia and the United States Air Force provided most technical support for the DEW Line stations.

*Scope and content*

The series consists of the index to DEW Line Instructions (DLI) and Identifying DEW Line Instructions (IDLI), and two indexes of Technical Orders (T.O.). These records list the operating and maintenance manuals for mechanical and electronic equipment at the station. The technical material in this series has been selected to provide evidence of equipment used at the BAR-1 station and of the specialized operations at the Communications and Electronics Facility.

*Source of supplied title proper*

Title based on contents of the series.

*Related material*

For other technical material, see the following series: Operations and Maintenance.

File list follows.

<u>Location</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
GOV 2864	27	DLI-IDLI Index	1992
GOV 2864	28	T.O. Index (Site Publication Distribution-Technical Orders) Index	1992-1993
GOV 2865	1a, b	DEW Line Maintenance Operations Instructions	1990-1992
GOV 2865	2	Garage T.O. Index	[198-?]

**SERIES 7 - FORMS. — 1992.**

*Physical Description*

.5 cm of textual records.

*Administrative history*

The U.S. Federal Services Corporation issued most administrative tools, including most forms, to all stations.

*Scope and content*

This series includes an index containing the following categories of forms: U.S.A. Hazardous Waste Labels, Canada Forms, Corporate and DEW Line Directive Forms, and U.S. Government Forms. The forms index appears to have been updated annually.

*Source of supplied title proper*

Title based on contents of the series.

*Related material*

The DEW Line Directive forms are located in the DEW Orders in the Operations and Maintenance series.

File list follows.

<u>Location</u>	<u>File</u>	Description	<u>Date</u>
GOV 2865	3	DEW Line Forms Index	1992

## **SERIES 8 - SAFETY RECORDS. — 1973-1993.**

### *Physical Description*

3.5 cm of textual records.

### *Administrative history*

The DEW Line stations' physical isolation and the type and quantity of materials kept on-site resulted in the adoption of many safety precautions at the stations. Fire was a constant threat. The high powered electrical equipment, flammable building materials and large amount of fuel stored on-site contributed to the inclusion of specialized safety measures in staff training programs. These factors also influenced the general design of the site.

The weather conditions in the high Arctic were also of great concern at the DEW Line stations. Due to the possible danger of polar bears, people rarely travelled far from the site. Cold weather safety was nevertheless an important factor in the station's operations.

### *Scope and content*

This series includes fire equipment and alarm records, manuals, emergency action plans and one publication. Most of these items specifically refer to the DEW Line. They reflect the value of safety and emergency procedures at the site.

### *Source of supplied title proper*

Title based on contents of the series

### *Related material*

For other material relating to safety, see Station Files: and GOV 2985, f. 17 and GOV 2866, f. 2.

File list follows.

<u>Location</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
GOV 2865	4	WHMIS Inventory [Workplace Hazardous Material Information System; planning, procedures for implementation]	1989
GOV 2865	5	Fire Equipment Checklist/Record	1989-1993
GOV 2865	6	DEWLine Emergency Action/Disaster Preparedness Plan BAR-1	1990
GOV 2865	7	[Project Order - WHMIS Training]	[198-?]
GOV 2865	8	American Petroleum Institute. "Staying Alive in the Arctic."	1973
GOV 2865	9	COMSEC [Communications Security], E.A.P. (Emergency Action Plan), & COMSEC Review	1990-1992
GOV 2865	10	Edwards Fire Alarm System [Operation, service record, plan]	1982-1987

## **SERIES 9 - OPERATIONS AND MAINTENANCE. — [1981?]-1993.**

### *Physical Description*

31.5 cm of textual records.

24 photographs.

### *Administrative history*

The DEW Line stations were highly regulated to realize the objectives of the United States Department of Defense. Operations continued round-the-clock. Personnel followed specific procedures and kept detailed records of, for example, preventive maintenance. Inspections, checklists and manuals helped to ensure high standards of operation at the sites.

### *Scope and content*

This series includes general information about BAR-1 procedures and operations during the last three years of operation. The DEW Orders, prepared by the head office in Virginia, contain manuals about administration, engineering, environmental protection and personnel procedures at the DEW Line stations, and good evidence of the basic services provided at the sites (for example, food and medical services, recreation committees, Necessity Stores). This series also includes inspection reports, activities and schedules, a PCB inventory, work orders (a sample year), and other items which reflect the regular operations at the site. The *DEW Line Facility Bar-1: Condition Inspection Report* (GOV 2867, file 2) contains colour photographs of the BAR-1 site and operations. This material, in addition to the Station Files and Technical Information and Instructions, demonstrates the degree of organization and routine on the DEW Line.

### *Source of supplied title proper*

Title based on contents of the series.

### *Arrangement*

These records were arranged by the archivist based on their contents.

File list follows.

<u>Location</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
GOV 2865	11	[Memos re: discipline]	1991
GOV 2865	12	List of On-Site Equipment	1988
GOV 2865	13	1992 DEW Line PCB Inventory	1992
GOV 2865	14	DRCU Trouble Shooting Guide (Functional Description and Troubleshooting Guide Aux Site DRCU System) [Manual]	[1981?]
GOV 2865	15	CPET Inspections and Followups [Contractor Performance Evaluation Reports]	1989-1992
GOV 2865	16	ACOE & Other Inspections [Reports re: personnel and equipment]	1988-1993
GOV 2865	17a, b,c	DEW Orders 0-1 thru 55-14 Book 1 (DEW System Orders and Instructions: Volume 1)	1992

Inventory to the USAF, DEW SYSTEM, BAR-1 STATION Fonds

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<u>Location</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
GOV 2866	1a,b, c	DEW Orders 55-16 thru 85-2 Book 2 (DEW System Orders and Instructions: Volume IV)	1992
GOV 2866	2a,b, c	DEW Orders 85-3 thru 144-1 Book 3 (DEW System Orders and Instructions: Volume II)	1992
GOV 2866	3a,b, c	Book No. 4 D.O. 146-7 thru D.O. 205-4 (DEW System Orders and Instructions: Volume III)	1992
GOV 2867	1a, b	<i>DEW Line Automated Management Information System Manual (DAMISM) for Distant Early Warning System (DEWS) Stations.</i> DEW Line Supply Customer's Guide.	1992
GOV 2867	2	ITT Federal Services Corporation. <i>DEWLine Facility Bar-1: Condition Inspection Report.</i>	1993
GOV 2867	3a, b	DEW Line Closure (Bar & Pin Sectors) Activities and Schedules, 1993	1991
GOV 2867	4a, b	Contract Monitor Checklist. DEW Line O&M Contract	1991
GOV 2867	5	Emergency Garage Generator (Operating log)	1990-1992
GOV 2867	6	End of Month Reports Water Sample Reports	1991
GOV 2867	7	Work Orders FY 1990	1990
GOV 2867	8	[Re: DEW Line Station Supervisors Handbook]	1990
GOV 2867	9	BCE Control Register AF #637 (Bar-1 Auxiliary Radar Station BCE Data -BCE Job Order Lob)	1990
GOV 2867	10	DEW Orders: 50-2 Trng & Cert Prgm; 55-5 EA/DPP; 100-2 OP Instr Admin Teletype Comms; 100-7 Sealift/Airlift Comms Plan; 205-4 Security Manual; 205-4-5 Training	1992

## **APPENDIX A: ARCHIVAL SELECTION CRITERIA**

Due to the contents and volume of the donated material, the Yukon Archives did not retain all items. Of the 11.2 m of textual records received, 1.8 m are now kept at the Archives. Of the 432 architectural drawings received, 88 are held at the Archives. The remaining items were returned to Parks Canada.

The Yukon Archives retained material based on evidential and informational value. This material reflects the people, the place and the type of work completed at the DEW Line station, primarily during the last six years of operation. Most administrative records remain in the collection since they reflect the management of the site and activities at the station (work and non-work related). The Recreation Club and Necessity Store records are mainly financial, but provide some information about both social and material requirements at the site. The amount and variety of safety documentation shows the importance of safety on the DEW Line. A large proportion of the donation included technical manuals, equipment instructions, drawings and procedural manuals for maintenance. The Yukon Archives selectively retained these items to provide an overview of the site's operations and of the skills required to maintain and operate it.

Criteria for returning material to Parks Canada included the removal of all duplicate items and published and generic materials. The published and generic materials consisted of the following: safety publications; labels/stickers and signs; catalogs for equipment and office supplies; and training manuals and videos not specifically designed by or for the DEW Line. Other items not retained include: blank forms; detailed reports or listings that may also be reflected in a preferred or summarized format elsewhere in the collection (eg. indexes, other volumes); highly specialized information (equipment manuals, electronics and wiring diagrams, etc.); and records that did not provide significant information about the BAR-1 station.

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