

DEPARTMENT OF INDIAN AFFAIRS
CANADA



108-13

OFFICE OF
INDIAN AGENT

Kenora, Ontario
August, 2nd, 1937

AUG 4 1937

RECORDS

EX'D.

Dear Sir:

Replying to your letter 129-3-5 of 28th.
ult. re Chlorinator Plant account.

The Principal of the school advised us that the
Plant was not functioning properly and so the account was
not O.K'd. We are now informed that the Plant working
properly and account will go forward without further delay.

Yours very truly,

Frank Edwards

Indian Agent.

The Secretary,
Indian Affairs Branch,
Department of Mines & Resources,
Ottawa, Ontario.

Indian Affairs. School Files.
(RG 10, Volume 6188, File 461-5, part 6)

PUBLIC ARCHIVES
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CANADA



OFFICES
LONDON
BOMBAY
CALCUTTA

THE PATERSON ENGINEERING COMPANY LTD., LONDON, ENGLAND
ENGINEERS AND CONTRACTORS FOR WATER PURIFICATION WORKS
TO THE ADMIRALTY - WAR OFFICE - AIR MINISTRY - CROWN AGENTS - INDIA OFFICE - ETC.

THE
PATERSON ENGINEERING COMPANY
OF CANADA, LIMITED

AFFILIATED WITH
UNITED STEEL CORPORATION, LTD.
88 PELHAM AVE.,
TORONTO

June 29th, 1937



CABLES
CUMULATIVE
TORONTO
TELEPHONE
LLOYDBROOK 1126

CHLORINATION — FILTRATION — SOFTENING

SOLD TO Cecilia Jeffrey Indian Residential School,
Kenora, Ontario.

F.O.B. Kenora

SHIPPED C.P.R.

YOUR ORDER 6/5/37

OUR ORDER 488

TERMS

1 - Type CL-100-37 Hypo-chlorinator, complete with
Ortho-Tolidine Testing Set and all incidental
fittings.

1 - 25 Gal. Slip-glass Mixing Crook and cover.

1 - 110 lb. Drum Sterilizing Chemical.

Including supervision of installation

All for the sum of.....\$658.00

Certified Correct

E. W. Byers
Principal

Indian Affairs. School Files.
(HG 10, Volume 6188, File 461-5, part 6)

PUBLIC ARCHIVES
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CANADA



8432

DEPARTMENT OF INDIAN AFFAIRS

To.....**Paterson Engineering Co., Ltd.**

Toronto.....

Ontario

DATE		SERVICE	AMOUNT	
1937 Aug.	6	to account rendered per Vouchers Attached Chlorinator complete for Cecilia Jeffrey Residential School.	658	00
<p style="text-align: center;">TRIPPLICATE FOR FILE 17:8.3Y Voucher in duplicate detached for Accountant to pay.</p> <p>Cecilia Jeffrey Residential School, Code 20-2199 Ordered by Ottawa,</p>				
			TOTAL,	

I HEREBY CERTIFY that this Voucher is correct, that the material has been supplied, the work performed and that the charges are fair and just; also that the expenditure has been incurred legitimately and that each item of the same is a fair and just charge against the Government of Canada.

FORM No. 506

Frank Edwards
Agent

Indian Affairs. School Files.
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PUBLIC ARCHIVES
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CANADA

129-3-5

DEPARTMENT OF MINES AND RESOURCES
INDIAN AFFAIRS BRANCH

Letter No. 110



Office of the Kenora, Ontario Indian Agency,

August 6th. 1937

Sir,

I enclose herewith Vouchers Nos. 8432

amounting to \$ 658:00 in favour

of Paterson Engineering Co. Ltd. Toronto, Ontario.

for Chlorinator complete, for Cecilia Jeffrey Residential School

This expenditure was authorized by Departmental

Letter CCX Ottawa, dated

Your obedient servant,

Frank Edwards

* Indian Agent

The Secretary,
of Indian Affairs Branch,
Department of Mines and Resources,
Ottawa

Form No. 518

Indian Affairs. School Files.
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PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

129-3-5

DEPARTMENT OF INDIAN AFFAIRS
CANADA



108-13

OFFICE OF
INDIAN AGENT

Kenora, Ontario.
August, 27th. 1937

Dear Sir:



R

Inclosed please find a letter we have received from the Principal of the Cecilia Jeffrey Residential School, this morning; asking us to supply 40 Mattresses 6 feet X 30" rolled edge for the opening of the school. as some of the old ones are entirely worn out and beyond repair.

As the school opens on September 1st, it will be impossible to supply them by that date, even if they are approved, and we are doubtful if the Department can supply them as a lot of money has been spent on the new Chlorinator Plant.

However we will be glad to have your instructions.

Yours very truly,

Frank Edwards
Indian Agent.

The Secretary,
Indian Affairs Branch,
Department of Mines & Resources
Ottawa, Ontario.

Indian Affairs. School Files.
(RG 10, Volume 6188, File 461-5, part 6)

PUBLIC ARCHIVES
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DEPARTMENT OF INDIAN AFFAIRS OF CANADA

Cecilia Jeffrey School
PRESBYTERIAN

E. W. BYERS
PRINCIPAL

KENORA, ONT. Aug. 25, 1937.

Capt. Frank Edwards,
Indian Agent,
Kenora, Ont.

Dear Sir,

We shall require 40 new mattresses
for the opening of school.

We have been repairing the ones which
were worth repairs but some are so badly worn
that they are beyond repair. We cannot use them.

I shall appreciate your ordering 40 size 6 ft x 29
inches, rolled edges.

I remain,

Sir,

your obedient servant,

E. W. Byers.
Principal.

Indian Affairs. School Files.
(RG 10, Volume 6188, File 461-5, part 6)

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CANADA

EX'D.

129-3-5

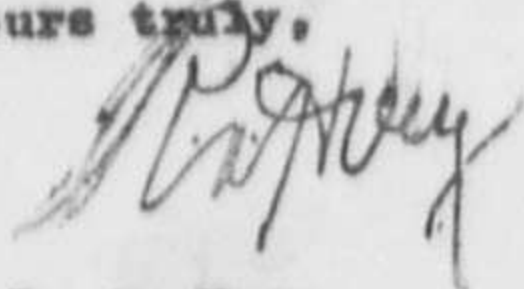
Ottawa, September 2, 1937

Sir:


I have your letter of the 27th ult. enclosing request from the Principal of the Cecilia Jeffrey Residential School for 40 mattresses.

In our current year's appropriation \$300 was provided for miscellaneous repairs and equipment at the Cecilia Jeffrey School. We have already expended an amount of \$658.00 for a chlorinating plant. Under these circumstances it is regretted that funds for the mattresses cannot be provided at the present time.

Yours truly,



R. A. Hoey,
Supt. of Welfare & Training.



Frank Edwards, Esq.,
Indian Agent,
Kenora, Ont.

Indian Affairs. School Files.
(RG 10, Volume 6188, File 461-5, part 6)

PUBLIC ARCHIVES
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CANADA

1M-April-1934.

COPY

See original report for
construction of boiler.

BOILER DATA REPORT No. Annual

BOILER INSPECTION BRANCH



statement regarding this
inspection on back.
DEPARTMENT OF LABOUR

Certificate No. S-315, S-316
Boiler No. S. 731 & 753

Date of Inspection 12-8-37.
Owner Department of Indian Affairs, (Capt. Frank Edwards, Indian Agent, Kenora, Ont.)

Name of User Cecelia Jeffrey Residential School, Address Kenora, Ont.
If user is not owner, give names of both

Location of Boiler Street Town County

Boiler used for heating purposes Business Educational

Type of Boiler S. Spencer heating Year Built _____ Made by _____
If unknown, estimate

Diam. of Shell or Drums 48" No. of Drums _____ Length of Drums 8' - 6"

No. of Sections, or Courses _____ Length Overall _____

Material _____ Brand and T.S. _____

Thickness of Plate _____ Long Seam _____ Dia. of Rivets _____ Riveting _____
Iron or steel

Dia. of Rivet Holes _____ Pitch of Rivets 23 Efficiency 8
Lap or butt

Thickness of Tube Sheet _____ No. of Tubes 23 Dia. 4" Length 8' Pitch of Tube Hole _____
Long seam

Efficiency of Tube Ligament _____ Thickness and Form of Head _____
If tubes enter shell

Headers, Water Tube Boilers _____ Distance, Upper Tubes to Shell _____
Steel or Cast Iron Hrt. Loco. or Scotch Marine

Area to be Stayed _____ Each head below tubes _____
Each head above tubes

Stays above Tubes _____ No. and Size of Rivets per Stay _____
No. each head and type (through head to head, or diagonal, welded or weldless), net cross sectional area

Stays below Tubes _____ No. each head and type (through head to head, or diagonal, welded or weldless), net cross sectional area _____

Stay Bolts, Max. Pitch _____ ins. _____ Dia. _____ ins. No. of Rows _____ If Hollow _____

Dome: Dia. _____ ins. Plates _____ ins. Riveting _____ Head, Flat or Dished _____

Riveted to Shell _____ Is Opening in Shell Full Size of Dome? _____ Braces in Dome _____
No. of rows

Neutral Sheet Reinforcement _____ Neutral Sheet Stays _____

Furnace: Dia. _____ ins. Length _____ Thickness _____ ins. Type _____
(Corrugated Adamson Ring, etc.)

Safety Valves, Type _____ Size _____ ins. No. _____ Area of Grate _____ Sq. Ft.

Pressure Gauge _____ No. of Water Gauges _____ Location _____ No. and Sizes of Try Cocks _____

Size of Blow-off _____ Where Located _____

Check Valves: on Return Pipes _____ on Feed Pipes _____ Feed Pipe Size _____

How Many Feed Appliances _____

Stop Valves: on Steam Pipes _____ on Return Pipes _____ On other Connections _____

Pressure Allowed 30 Lbs. 30 Lbs. Factor of Safety _____ Hydrostatic test _____ Lbs.
This inspection Previous inspection This inspection

Is Condition of Boiler and Fittings such that Certificate may be issued? yes

Any Changes or Repairs Ordered _____
Give details and sketches on squared blank

H.R.T. Boiler: Flush or Overhanging Front _____ How is Boiler Supported? _____

No. of Lugs _____ If Suspended, Give Full Details _____

Grates or Firebox: Width _____ Length _____ Other Details _____

Kind of Fuel Used wood Automatic Stoker _____ Type _____ Maker _____

Superheater _____ Type _____ Approved _____ Is Heat Applied Direct? _____

Superheater Safety Valves _____ Size _____ Type _____

Is there a Stop Valve between boiler and Super heater? _____

Cone Top—Make Sketch Giving Full Bracing Data _____

Manhole—If in Shell, Give all Data Necessary to Compute Strength _____

Indian Affairs. School Files.
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COPY

Handholes, Number in Shell In Heads
Mud Drums—Give all Data Necessary to Compute Strength
Tube Ends—Which Beaded Which Flared Water Tubes, Give Gauge
Flues over 6" Dia. Thickness Length of Section How Riveted, or Welded
Flat Surfaces—Are They Properly Braced? If Not, State Where Deficient
Blow-off, if exposed to Flame, How Protected Are connections Full Size from Boiler to Valves?
Material of Pipe Standard or Extra Heavy
Number of Blow-off Valves Number of Cocks
Feed—Location of Entrance of Discharge Number of Pumps
Number of Injectors Feed Water Heater Type
Source of Water Supply town mains Quality good
Water Column—set at Proper Height Size of Connecting Pipes Type of Valve, if Used
Two or More Boilers over one Furnace
How Connected Between Water Spaces If by Pipe, Give Size
Fusible Plug, Size Dia of Fusible Metal Location Approved Make
Steam Pipe—Can Water Collect in Steam Pipes with Stop Valve Closed?
Size and Type of Stop Valve Are Steam Lines Properly Drained?
Any Drains Recommended Is Main Stop Valve Automatic Non-return? Maker
Steam Gauge—Was it Tested? yes Graduated to Lbs. Material and Size of Syphon
Damper Regulator—Connected to Steam or Water Space
Is there a Stop Valve between each Boiler and Safety Valve?
Cast Iron Sectional Boiler's Maker's Trade Name and Number
Are Returns by Gravity? If Not, State How
Does any Water or Steam Leave the System?
Have any Sections Cracked Previously? If So, When and How Repaired
Name of Informant Connected with Firm Years Owner
Safety Valves—Set at lbs. Ordinary Working Pressure Tenant
Conditions of This Boiler Internally Engineer

Sketches

Steam gauges tested O.K.

Water gauge and try cocks all clear.

Boilers have been well washed out.

Combustion chambers, uptakes, etc., all cleaned out.

Capt. Frank Edwards present during inspection.

Engineer:

Thomas Davidson 12283

Calculations

Factor of Safety

Eff'cy of Long Seam Pl. = Rivets =

Com. Eff'cy = W.P. of Shell =

Eff'cy of Circum. Seams. Pl. = Rivets =

Furnace :

Home :

Staying :

Canadian Interprovincial regulations.

Pressure Limited by :

Indian Affairs. School Files.
(RG 10, Volume 6188, File 461-5, part 6)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

POOR
COPY

COPY

129-3-5

See the annual report for
construction of boiler.

BOILER DATA REPORT No. Annual

BOILER INSPECTION BRANCH

statement regarding this
inspection on back.
DEPARTMENT OF LABOUR

Date of Inspection 18-8-37

Certificate No. 9 - 317

Boiler No. 1644

Over Department of Indian Affairs, (Capt. Frank Edwards, Indian Agent,
Kenora, Ont.)

Name of User Cecelia Jeffrey Residential School, Address Kenora, Ont.

Location of Boiler

Boiler used for laundry purposes Street Town Business Educational

Type of Boiler Vertical

Year Built Made by

Diam. of Shell or Drums 30" No. of Drums If unknown, estimate Length of Drums

No. of Sections, or Courses Length Overall 6'

Material Iron or steel Brand and T.S.

Thickness of Plate Long Seam Dia. of Rivets Riveting

Dia. of Rivet Holes Pitch of Rivets Efficiency

Thickness of Tube Sheet No. of Tubes 48 Dia. 2" Length 47" Pitch of Tube Hole

Efficiency of Tube Ligament Thickness and Form of Head

Headers, Water Tube Boilers If tubes enter shell Distance, Upper Tubes to Shell

Area to be Stayed Steel or Cast Iron Hrt. Loco. or Scotch Marine

Stays above Tubes Each head above tubes No. and Size of Rivets per Stay

Stays below Tubes No. each head and type (through head to head, or diagonal, welded or weldless), net cross sectional area

Stay Bolts, Max. Pitch ins. ins. Dia. ins. No. of Rows If Hollow

Dome: Dia. ins. Plates ins. Riveting Head, Flat or Dished

Riveted to Shell Is Opening in Shell Full Size of Dome? Braces in Dome

Neutral Sheet Reinforcement Neutral Sheet Stays

Furnace: Dia. ins. Length Thickness ins. Type

Safety Valves, Type Size ins. No. Area of Grate Sq. Ft. (Corrugated Adamson Ring, etc.)

Pressure Gauge No. of Water Gauges Location No. and Sizes of Try Cocks

Size of Blow-off Where Located

Check Valves: on Return Pipes on Feed Pipes Feed Pipe Size

How Many Feed Appliances

Stop Valves: on Steam Pipes on Return Pipes On other Connections

Pressure Allowed 115 Lbs. 115 Lbs. Factor of Safety Hydrostatic test Lbs.

Is Condition of Boiler and Fittings such that Certificate may be issued? yes

Any Changes or Repairs Ordered

H.R.T. Boiler: Flush or Overhanging Front Give details and sketches on squared blank How is Boiler Supported?

No. of Lugs If Suspended, Give Full Details

Grates or Firebox: Width Length Other Details

Kind of Fuel Used wood Automatic Stoker Type Maker

Superheater Type Approved Is Heat Applied Direct?

Superheater Safety Valves Size Type

Is there a Stop Valve between boiler and Super heater?

Cone Top—Make Sketch Giving Full Bracing Data

Manhole—If in Shell, Give all Data Necessary to Compute Strength

Indian Affairs. School Files.
(HG 10, Volume 6188, File 461-5, part 6)PUBLIC ARCHIVES
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CANADAPOOR
COPY

Sept. 23rd ,

6.

Capt. Frank Edwards ,
Indian Agent ,
Kenora , Ont.

Dear Sir,-

The following is the Estimates for the Cecilia Jeffrey
School for the year 1936-7 :-

Materials For Store -Room	(Very urgent)	\$850.00
Painting School Buildings		2000.00
Farm Machinery		200.00
Disposal -Bed		1000.00
Miscellaneous		300.00
	
		\$ 4350.00

None supplied

I remain,
Your obedient servant,
Principal.

Indian Affairs. School Files.
(RG 10, Volume 6188, File 461-5, part 6)

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CANADA

POOR
COPY

DEPARTMENT OF INDIAN AFFAIRS OF CANADA

Cecilia Jeffrey School
PRESBYTERIAN

E. W. BYLES
PRINCIPAL

KENORA, ONT., October 8th, 1937.

Mr. Hugh B. McKinnon M.P.
Ottawa, Ont.

Dear Sir,

I wish you could interest the Department in the purchasing of more land for use in connection with our school.

We have only 60 arable acres and this acreage does not nearly meet the needs of our school.

Feed is very high in this district and we are obliged to purchase a large quantity each year.

We have been paying out in rent each year \$450 and if we owned sufficient land this would not be necessary.

I am informed that the farm owned by Mr. J. George is offered for sale. This land would produce a lot of hay and oats and is in close proximity to the school.

Any assistance you may offer in the above matter will be greatly appreciated.

I remain,

Your humble servant,

E. W. Byles
Principal.

*Write Mr
McKinnon
when report is
received.
E.W.B.*

Indian Affairs, School Files.
(AG 10, Volume 6188, File 461-5, part 6)

PUBLIC ARCHIVES
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CANADA

DEPARTMENT OF INDIAN AFFAIRS OF CANADA

Cecilia Jeffrey School
PRESBYTERIAN

E. W. BYERS
PRINCIPAL

KENORA, ONT., October 8th, 1937.

Mr. Hugh McKinnon M.P.
Ottawa, Ont.

Dear Sir,

If you can spare the time while you are in Ottawa I shall appreciate your interviewing the Department of Mines & Resources, Indian Affairs Branch with a view towards having the Dept. take into consideration the immediate renewal of our disposal bed.

Referring to Dept. letter I29-3-5, dated Aug. 22, 1935 - one paragraph reads as follows: "Referring to the work in renovating the sewage disposal system we will include these in our estimates for next year and trust they will go through."

Dr. Ferguson had samples of the drinking water taken and the test showed colon bacteria present in a very small fraction of 1 cc.

The raw sewage empties into the lake from which the drinking water is drawn and fairly close to the intake.

I am alarmed at this condition and I wish immediate action would be taken.

By your dealing personally with this question you may succeed in persuading the Dept. to have the work done before the ground freezes.

Thanking you in anticipation of your attention to the above,

I remain,
Your humble servant,

E. W. Byers
Principal.

Indian Affairs. School Files.
(RG 10, Volume 6188, File 461-5, part 6)

PUBLIC ARCHIVES
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CANADA

129-3-5

Ottawa, October 19, 1937.

Dear Sir:-

The Department wishes you to visit the Cecilia Jeffrey Indian Residential School, Kenora, at the earliest possible date and make full inspection.

I would appreciate your reporting especially on the necessity for renovating the sewage disposal system. In this regard I enclose a report on a proposed extension to the sewage system. This was made by Mr. D.B. Gow, who estimated the cost of the proposed extension at \$1,400. When replying, the enclosed blue print and report should be returned.

It is also reported to the Department that the toilets in the boys wing of the building are in very bad condition. Please let me have an estimate of the cost of placing these in good repair and, at the same time, you should state if you consider the toilets and wash rooms at the Cecilia Jeffrey Indian Residential School receive the necessary supervision.

Another request has been received for the purchase of additional land for the use of this school. In this connection I would refer you to my letter of January 22*37, also your reply of January 27th. When you visit the school, you should thoroughly investigate the question of whether or not more land is necessary and, at the same time, comment on the offer made by Mr. George to dispose of his property.

Yours truly,

R.A. Hoey,
Supt. of Welfare & Training.

Inspector A.G. Hamilton,
538 Dominion Public Bldg.,
Winnipeg, Man.

Indian Affairs. School Files.
(AG 10, Volume 6188, File 461-5, part 6)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

VRH

DEPARTMENT OF INDIAN AFFAIRS
CANADA

Dear Sir:

We have received a request from the Principal of the Cecilia Jeffrey Residential School for the purchase of a stove and pipes for the Pumphouse as the stove now in use is badly corroded and unsafe to use.

A suitable stove for the purpose can be purchased from the A.T.Fife Co. here for \$20:00 including pipes.

In this connection we would refer you to Department letter 124-3-5 of 2nd. ult. in which you say the amount allotted for this School has been exceeded.

Yours very truly,

Frank Edwards

Indian Agent.

The Secretary,
Indian Affairs Branch,
Department of Mines & Resources
Ottawa, Ontario.

129-3-5-
108-13

OFFICE OF
INDIAN AGENT

Kenora, Ontario.
October, 15th. 1937



Indian Affairs. School Files.
(AG 10, Volume 6188, File 461-5, part 6)

PUBLIC ARCHIVES
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CANADA

129-3-5

Ottawa, October 21, 1937.

Dear Sir:-

With reference to your letter of the 15th instant, you may arrange for the purchase and delivery of new stove and pipes for the pumphouse at the Cecilia Jeffrey Indian Residential School. It is noted that the cost will not exceed \$20.00.

Yours truly,

R.A. Hoey
R.A. Hoey,
Supt. of Welfare & Training.

PA
RAH
Frank Edwards, Esq.,
Indian Agent,
Kenora, Ont.

Indian Affairs. School Files.
(RG 10, Volume 6188, File 461-5, part 6)

PUBLIC ARCHIVES
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CANADA

DEPARTMENT OF INDIAN AFFAIRS
CANADA

108-13

OFFICE OF
INDIAN AGENT

Kenora, Ontario.
October, 15th. 1937

Dear Sir:

We have received a request from the Principal of the Cecilia Jeffrey Residential School, to authorize the employment of a night watchman from Octr. 1st. to April 30th. at a monthly salary of \$40:00.

If you approve of this, we will be glad to receive the necessary authority for this and the other schools in this Agency, Mc. Intosh, Sioux Lookout, and Kenora R.C.

Yours very truly,

Frank Edwards

Indian Agent.

The Secretary, Indian Affairs Branch,
Department of Mines & Resources,
Ottawa, Ontario.

Indian Affairs. School Files.
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PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

129-3-5

EX'D.

Ottawa, October 23, 1937.

Dear Sir:-

With reference to your letter of October 15th, you may inform the Principal of the Geselia Jeffrey Residential School that the Department will make an allowance of \$30.00 a month for the period October 1st, 1937, to March 31, 1938, for the salary of a night watchman at the Geselia Jeffrey Indian Residential School. This is the same amount as was allowed last year.

With reference to the McIntosh Sioux Lookout and Kenora School, the same amount as provided last year will be allowed again this year for night watchmen at these schools.

Yours truly,

R.A. Hoey
R.A. Hoey,
Supt. of Welfare & Training.

Frank Edwards
Frank Edwards, Esq.,
Indian Agent,
Kenora, Ont.

Indian Affairs. School Files.
(RG 10, Volume 6188, File 461-5, part 6)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

129-3-5.

INDIAN AFFAIRS
BRANCH



CANADA
DEPARTMENT
OF
MINES AND RESOURCES

Ottawa, November 2, 1937.

R

MEMORANDUM:

The Honourable the Minister,-

For the past two years we have been receiving complaints regarding the sewage disposal system at the Cecilia Jeffrey Indian Residential School, Kenora, Ont., but, owing to lack of funds, we have been unable to make necessary improvements.

About three weeks ago, Mr. H. B. McKinnon, M.P., interviewed me and stated that extensive improvements to the sewage disposal system were imperative. Inspector Hamilton was instructed to visit the school and report.

For your information, I attach Mr. Hamilton's letter of October 30, 1937, which has just been received, also a report dated January 20, 1936, submitted by Mr. D. B. Gow, Acting District Chief Engineer, Winnipeg.

You will note that Mr. Hamilton considers the system should be improved immediately. Mr. Gow's report gives an estimate of the cost at \$1,400, the greater part of which will be for labour.

As the season is advancing and as the necessity for improving the sewage disposal system appears very urgent, I would appreciate having your authority to advise Inspector Hamilton by wire to have this work proceed at once. Funds for the purpose can be secured from the current year's Appropriation for Indian Education.

Approved
J.H.C.

Supt. of Welfare & Training.

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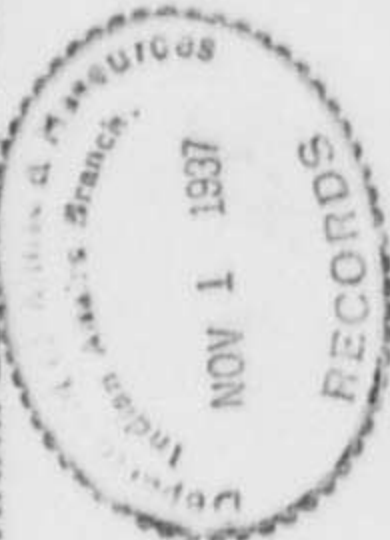
DEPARTMENT OF INDIAN AFFAIRS

CANADA

GR

INSPECTOR'S OFFICE

538 Dominion Public Bldg.,
WINNIPEG, MAN., October 30th, 1937.



Dear Sir,

I wish to refer to your letter 129-3-5 dated October 19th and would recommend that immediate action be taken in reference to the sewage disposal. The season is well advanced and if any work is to be done it must be started at once.

I was at the school this week and would say that the disposal bed is filled and useless. At 80 ft. from the septic tank the water comes out on top of the ground and continues in a steady stream to the lake. It empties into the lake about 80-100 ft. from the intake pipe.

The water from the septic tank is quite clear but I cannot understand why there is a continuous steady flow. One would imagine the septic tank was allowed to fill up and the water simply passed through. The overflow amounts to a small creek and this would further indicate that the pump supplying the school with water must be working almost continuously. If the septic tank is working properly it should discharge at intervals, thus making it possible for the disposal bed to handle the overflow.

The old disposal bed should be renewed and enlarged as I am sure it is filled up and altogether too small. I am instructing the agent to have the principal arrange for cleaning out both chambers of the septic tank and these should be checked over as well as the plumbing system, by a qualified plumber. I think the school is wasteful of water, which increases the need for a larger disposal bed and effects the chemical action of the septic tank.

In closing I would say we leave ourselves open to severe criticism if we continue to allow this steady stream of water from the septic tank to flow into the lake from which the drinking water is obtained. The estimate of \$1400.00 appears high and I am inclined to think the disposal field can be renewed and enlarged for much less. The services of a plumber to check all waste of water should not cost much and if his

Mr. R.A. Hoey,
Indian Affairs Branch,
Dept. of Mines & Resources,
OTTAWA, Ont.

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(HG 10, Volume 6188, File 461-5, part 6)

Instructions are carried out will tend to eliminate a large amount of trouble.

I would ask, if possible, that the Department arrange for this work to be started immediately. Otherwise, it will be too cold.

Attached is blueprint and report submitted by Mr. Gow.

Yours very truly,

A.G. Hamilton

A.G. Hamilton,
Inspector of Indian Agencies
Manitoba.

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DEPARTMENT OF INDIAN AFFAIRS

CANADA

GR

INSPECTOR'S OFFICE

538 Dominion Public Bldg.,
WINNIPEG, MAN., October 30th, 1937.

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I was at the school this week and would say that the disposal bed is filled and useless. At 80 ft. from the septic tank the water comes out on top of the ground and continues in a steady stream to the lake. It empties into the lake about 80-100 ft. from the intake pipe.

The water from the septic tank is quite clear but I cannot understand why there is a continuous steady flow. One would imagine the septic tank was allowed to fill up and the water simply passed through. The overflow amounts to a small creek and this would further indicate that the pump supplying the school with water must be working almost continuously. If the septic tank is working properly it should discharge at intervals, thus making it possible for the disposal bed to handle the overflow.

The old disposal bed should be renewed and enlarged as I am sure it is filled up and altogether too small. I am instructing the agent to have the principal arrange for cleaning out both chambers of the septic tank and these should be checked over as well as the plumbing system, by a qualified plumber. I think the school is wasteful of water, which increases the need for a larger disposal bed and effects the chemical action of the septic tank.

In closing I would say we leave ourselves open to severe criticism if we continue to allow this steady stream of water from the septic tank to flow into the lake from which the drinking water is obtained. The estimate of \$1400.00 appears high and I am inclined to think the disposal field can be renewed and enlarged for much less. The services of a plumber to check all waste of water should not cost much and if his

Mr. R.A. Hoey,
Indian Affairs Branch,
Dept. of Mines & Resources,
OTTAWA, Ont.

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instructions are carried out will tend to eliminate a large amount of trouble.

I would ask, if possible, that the Department arrange for this work to be started immediately. Otherwise, it will be too cold.

Attached is blueprint and report submitted by Mr. Gow.

Yours very truly,

A. G. Hamilton,

A. G. Hamilton,
Inspector of Indian Agencies
Manitoba.

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REPORT
ON
PROPOSED EXTENSIONS TO SEWAGE DISPOSAL SYSTEM
AT
CECILIA JEFFREY INDIAN SCHOOL, KENORA, ONTARIO.

Winnipeg, Manitoba,
January 20, 1936.

D. B. Cow,
Acting District Chief Engineer.

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ON
PROPOSED EXTENSIONS TO SEWAGE DISPOSAL SYSTEM
AT
CECILIA JEFFREY INDIAN SCHOOL, KENORA, ONTARIO.

INTRODUCTORY:

The Cecilia Jeffrey Indian School at Kenora, Ontario, was completed early in 1929. The installation of the water supply and sewage disposal systems was carried out under the direction and supervision of this district office.

The school is situated on a sandy hillside some 600 feet from and 60 feet above Round Lake, the source of the water supply. Back of the school the ground rises steeply and rock outcroppings occur. Consequently, the only possible drainage of the school site is into Round Lake. It was necessary, therefore, to treat the sewage from the school in order to prevent pollution of the water supply. The method of treating sewage by means of a septic tank and disposal bed was selected as best suited for continuous service with a minimum of attention. As washing compounds used in the laundry were considered harmful to septic action in the tank, a separate laundry sump was provided.

EXISTING SEWAGE SYSTEM:

The existing sewage system consists of septic tank, disposal bed and separate laundry drainage system. The system was designed for a total school population of one hundred. The septic tank has a capacity of 4,000 gallons and the syphon chamber 525 gallons additional. The disposal bed contains 1,600 lineal feet of 4" field tile laid in sand.

About two years after the school was put into operation, trouble was experienced with the laundry sump failing to dispose of laundry drainage. The sand surrounding the sump had become almost impervious by the accumulation

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of grease etc. The sump was enlarged and measures were taken to convey the drainage to a gravel strata to permit more rapid seepage. This work was not carried out under our supervision and at present we do not know to what extent if any, this work interfered with the disposal bed.

The present disposal bed has been in place nearly seven years. It has received no attention and the surface is now very uneven, overgrown with weeds and covered with some rubbish. Doubtless, the tar-paper covering on the tile joints has deteriorated, permitting the coarse sand to enter and clog the tile. The clogging of the tile and the 70% overloading of the bed have resulted in some of the seepage reaching the surface of the bed. The close proximity of the bed to the school makes it essential that the surface seepage be eliminated.

The present population of the school is about 170 or 70 in excess of the number for which the sewage disposal system was designed. While the usage of water at this Institution does not increase proportionately to the increase in population, yet it is fairly certain that overloading of the disposal bed has taken place. The septic tank is slightly undersized for a population of 170 and the syphon chamber in particular should be enlarged for efficient results.

PROPOSED EXTENSIONS TO SEWAGE SYSTEM:

It is recommended that the capacity of the existing syphon chamber of the septic tank be increased from its present capacity of 525 gallons to 1,000 gallons; that the existing disposal bed containing 1,600 lineal feet of 4" tile be opened up and if necessary be reconditioned and that an addition be made to the disposal bed so as to increase the total length of field tile to 2,800 feet.

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The accompanying plan shows the location of the proposed extension to the disposal bed and sections of either side of the extension. However, the location of the new disposal bed will depend upon additional ground surveys which it is intended to carry out in order to determine the most economical location and most favourable soil conditions. Uncertainty exists as to the drainage from the laundry sump and its effect upon the disposal bed and this must be cleared up by examination on the ground.

The enlargement of the syphon chamber of the septic tank will present no difficulties and the enlargement will reduce by half the daily number of discharges into the disposal bed and permit of greater efficiency in the working of the disposal bed.

ESTIMATES OF COST:

The following estimates of costs are based upon the costs of the original construction and revised to allow for additional costs arising from the fact that the original work was carried out in conjunction with the original school construction job.

(a) Septic Tank:

Enlargement of Syphon Chamber ----- \$ 150.00

(b) Old Disposal Bed:

Uncovering and Relaying ----- 275.00

(c) New Disposal Bed:

Excavation -----	\$300.00
Laying Tile and Surfacing -----	250.00
Glazed Pipe -----	40.00
Field Tile -----	130.00
Cartage -----	20.00
	740.00
	<u>\$1165.00</u>
Supervision, etc. -----	235.00
Total Estimated Costs:-----	<u>\$1400.00</u>

REMARKS:

The work should be carried out during the brief summer period in which the school is not operating; viz: in July. There will always be some inmates at the school, but the extensions can be carried out without completely closing down the sewage disposal system.

D. B. GOW,

Acting District Chief Engineer.

Winnipeg, Manitoba,
January 20, 1936.

D. B. GOW,
Acting District Chief Engineer.

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CORRECTION

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EX'D.

Ottawa, October 23, 1937.

Dear Sir:-

With reference to your letter of October 15th, you may inform the Principal of the Cecilia Jeffrey Residential School that the Department will make an allowance of \$30.00 a month for the period October 1st, 1937, to March 31, 1938, for the salary of a night watchman at the Cecilia Jeffrey Indian Residential School. This is the same amount as was allowed last year.

With reference to the McIntosh Sioux Lookout and Kenora School, the same amount as provided last year will be allowed again this year for night watchmen at these schools.

Yours truly,

R.A. Hoey
R.A. Hoey,
Supt. of Welfare & Training.

Frank Edwards
Frank Edwards, Esq.,
Indian Agent,
Kenora, Ont.

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