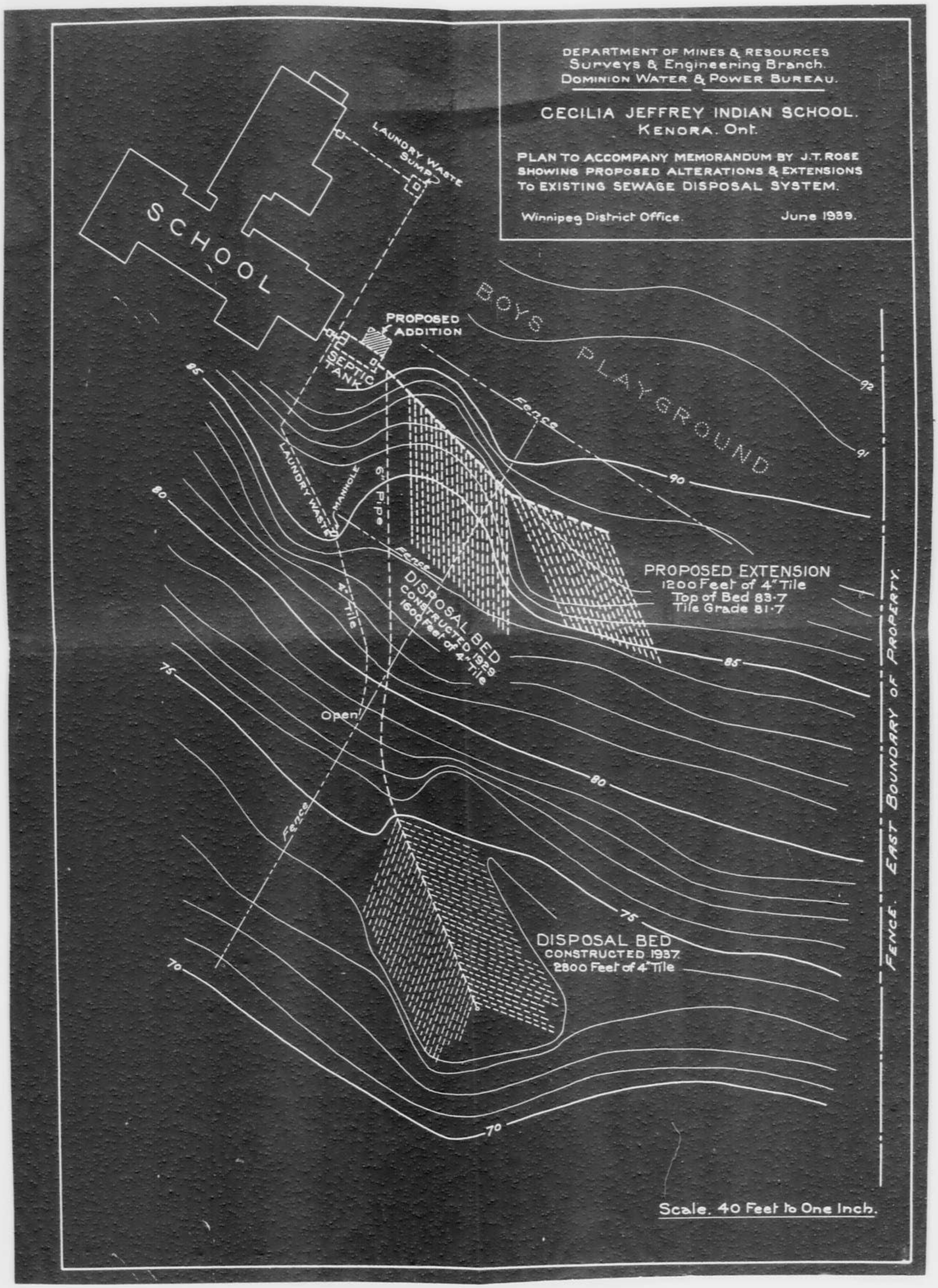
DEPARTMENT OF MINES & RESOURCES
Surveys & Engineering Branch.
DOMINION WATER & POWER BUREAU.
CECILIA JEFFREY INDIAN SCHOOL.
KENORA. Ont.
PLAN TO ACCOMPANY MEMORANDUM BY J.T. ROSE SHOWING PROPOSED ALTERATIONS & EXTENSIONS TO EXISTING SEWAGE DISPOSAL SYSTEM.
Winnipeg District Office.
June 1939.
SCHOOL
LAUNDRY WASTE SUMP
PROPOSED ADDITION
SEPTIC TANK
BOYS PLAYGROUND
Fence
LAUNDRY WASTE
MANHOLE
6" Pipe
4" Tile
DISPOSAL BED CONSTRUCTED 1928 1600 Feet of 4" Tile
PROPOSED EXTENSION
1200 Feet of 4" Tile
Top of Bed 83·7
Tile Grade 81·7
Open!
DISPOSAL BED
CONSTRUCTED 1937.
2800 Feet of 4" Tile
FENCE. EAST BOUNDARY OF PROPERTY.
92
91
90
85
80
75
70
Scale. 40 Feet to One Inch.

Detailed Cost Estimates for Cecilia Jeffrey Indian School Sewage Disposal System.

June 15, 1939.

Original Disposal Bed Rehabilitation.

Level original area - 540 cu.yds. @ 40¢ (average haul 140 ft.).....	216.00
Trench old area and clean out tile, at 9¢ per ft. for 1600 ft.....	144.00
Level, relay and backfill trench at 3¢ per ft. for 1600 ft.....	48.00
New pipe connection to be made at tank.....	9.00
Provide tar paper and place on tile joints.....	3.00
	$ 420.00

Triangle Separating Original Extension Bed.

Level to grade, 125 cu.yds. @ 40¢ (Average haul 140 ft.).....	50.00

Extension Bed.

Recovering of old tile and carrying to new bed at 10¢ per ft. for 1500 ft.....	150.00
Recovering of old distributor "Y"s at 15¢ per ft. for 60 ft.....	9.00
New pipe connection to old distributor 1/8 bend	1.00
Level extension area to grade with drag scrapers 700 cu.yd. @ 40¢.....	280.00
Trench new area and place tile at 8¢ per foot for 1200 ft.....	96.00
Level, lay and back-fill trench at 3¢ per ft. for 1200 ft.....	36.00
Trench and lay distributors at 10¢ per ft. for 60 ft.....	6.00
Provide tar paper and place on tile joints.....	2.00
	$ 580.00

Gravelling Under Tile.

Gravel for 1 foot deep under tile and 1 ft. wide length 2800 ft., 105 cu.yds. @ .75¢.....	79.00
Excavation in trenches at 3¢ per ft. for 2800 ft.	84.00
Wheeling and placing gravel, average haul 100 ft. of 105 cu.yds. @ 25¢.....	26.25
	$ 189.25

Under Drain

Trenching 4 ft. deep & 1 ft. wide 4 ft. deep, 180 ft. long @ 10¢ lin.ft.....	18.00
Gravel fill, 20 cu.yds. @ 75¢.....	15.00
Wheeling and placing @ 20¢ a yd.....	4.00
	$ 37.00

Indian Affairs. School Files.
(RG 10, Volume 6189, File 461-5, part 7)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

Library and Archives Canada / Bibliothèque et Archives Canada
www.collectionscanada.gc.ca

Proposed Work.

It is planned to rehabilitate the original bed by digging up the tile to clean them out. The area will be re-graded. Further the plan is to extend the bed to the east a length of 60 feet with 80 feet porous tile lines 15 in number, making a total porous tile extension of 1200 feet. This with the 1600 feet provided in the original field would mean a total of 2800 feet of the tile will be in place. It is proposed to lift 1500 feet of tile from the lower bed developed in December, 1937, and this would leave 1300 feet in place for use with the laundry waste, if desired.

It will be advisable to place coarse gravel under and around the tile lines to the depth of one foot below grade. Further it is advisable to install end underdrains along the downhill side of the disposal field in a gravel-filled trench and connected to the lower disposal field to provide against water-logging of the entire bed due to the failure of the subgrade to effectively carry off the liquid.

In addition it will be advisable to increase the septic tank capacity and particularly to increase the siphon chamber. In the first case to improve the settlement conditions as the school population has considerably increased since the original plant was built, and in the second case to lengthen the periods between dosing flows discharged by the siphons to the disposal field.

The walls of the inspection man-hole of the original septic tank were reported caving in and it was noticed the timber was rotted and sand filtered in. New walls and covers will be necessary. An additional soil depth of one foot has been built up and a road built over the original tank, so that it is advisable a reinforced concrete roof be built to replace the wooden top. The present wood top appears to be overloaded, especially when snow or ice and vehicular traffic over it is considered.

Cost Data.

Disposal Bed proper.....	$1,000.00
Gravel sub-trenching and underdrain.....	227.00
Septic tank addition with large siphon chamber annex.....	700.00
Re-roof septic tank and rebuild manholes.....	175.00
Total.....	$2,102.00

J.T. Rose.

Indian Affairs. School Files.
(RG 10, Volume 6189, File 461-5, part 7)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

Library and Archives Canada / Bibliothèque et Archives Canada
www.collectionscanada.gc.ca

It was obvious the tank was not holding back sufficient of the solids, particularly paper, which tended to block up the disposal bed, the siphon chamber was too small, causing too frequent flow into the bed and the land underlying the bed was not able to absorb sufficient water to prevent water-logging and overflow.

Some remedial methods were needed in the septic tank. First an attempt was made to stop some of the paper by building up a wooden partition on the weir between the main section of the tank and the siphon chamber. Two 4" iron pipes with single elbows were inserted in the partition so that the flow to the siphon chamber came from a depth in the main tank about 2 feet from the floor at the back end. The intention was to stop paper and other light solids which must have previously flowed past the baffle and over the weir.

Present Examination.

A series of samples were taken from the siphon chamber during the year's school term and they showed little of the light particles were being discharged from the tank. An inspection was made of the tank effluent and bed on June 6th. A carefully taken sample was secured directly from the outlet pipe of the main tank. Little obnoxious odor was noticeable from this murky pailful of water and only a very limited quantity of particles, about the size of a pinhead, were observed when the pail's contents were stirred up.

The disposal bed appeared to be water-logged, particularly noticeable at the centre where the ground was soggy. Most of the rest of the bed was probably clogged up. A flow of water occurred each time the siphon operated, welled up the surface and flowed away over ground to the southeast. Some of this water was scattered over the hillside, but in wet or winter weather could reach the lake, as the hillside would then have little absorptive capacity.

The laundry waste water is carried by a separate line down past the septic tank and now flows overland on the grassed slope 300 feet south from the tank. It includes kitchen-sink drainage. A man-hole on the burried section of this line exists near the southwest corner of the original disposal bed and the water flows out of it at an elevation well above the lower disposal field. In the construction of supply tile line to this bed on December, 1937, a "Y" entry was left for connection of the laundry waste in event a grease separation tank or contact bed were built so that the effluent could be disposed of in the disposal field.

Topography of the original and second disposal field was checked over and borings made. This, with test pits made at the site of the lower bed dug just before its development showed that the best absorptive area was located in the original disposal bed area and its vicinity.

Indian Affairs. School Files.
(RG 10, Volume 6189, File 461-5, part 7)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

Library and Archives Canada / Bibliothèque et Archives Canada
www.collectionscanada.gc.ca

COPY/AB

Winnipeg, June 15, 1939.

MEMORANDUM

Re: Cecilia Jeffrey Indian School
Sewage Disposal System.

Past Experience.

The sewage disposal system of this school consists of a septic tank with siphon chamber and a disposal bed. Owing to overloading and lack of cleaning out of the tank and disposal bed over a period of 8 years, the system ceased to operate properly.

It was found the tank contained a large accumulation of solids which took up space designed for settlement and digestive action so that passage through the tank of daily flows was unduly speeded up. The consequent passage of solids quickened the accumulation in the disposal field, which clogged up, backed up the flow and stopped intermittent operation of the siphons. Finally an outlet was established from the outer end of the disposal bed and more or less continuous flow from the tank resulted. In November, 1937, it was noticed this flow carried particles about the size and shape of tea leaves, enough to soon block any disposal tile field.

In December, 1937, a new disposal bed was built in a field at a distance of 250 feet southeast of the tank. This location was used as an alternative to cleaning and extending the original bed, which was expected to be water-logged owing to necessary continuous use of the disposal system during mid term of the school. The tank was cleaned out under difficulties of this handicap. It was observed the school sewage filled this tank and siphon chamber in 24 hours.

It was evident by the following spring that there was insufficient absorption obtained in the new disposal area, as the bed overflowed and established a discharge path directly downhill into the adjacent lake. In August, 1938, this washout was stopped by building a clay dyke around the downhill side of the bed and relevelling the bed. An examination showed that tile had not been displaced, but nearly one fifth of a complete line of tile was found to be filled with black muck, mostly paper, and the underlying sand appeared to have little absorptive capacity. Where the tiles were lifted out there was no sign of discoloration or silting of the adjacent sand, but a flow of tank water along the open trench filled it to about 3 or 4 inches. After slowly seeping away a thick scum was left on the sand.

Indian Affairs. School Files.
(RG 10, Volume 6189, File 461-5, part 7)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

Library and Archives Canada / Bibliothèque et Archives Canada
www.collectionscanada.gc.ca

AB. I.A.1372-1

June 27, 1939.

DIRECTOR
JUN 28 1939
SURVEYS & ENGINEERING

MEMORANDUM:

Mr. Wardle.

Re: Sewage Disposal, Cecilia Jeffery Indian Residential School.

I have your memorandum of the 24th instant with regard to the above and carrying a copy of a memorandum that you had received from the Acting Director of the Indian Affairs Branch advising that the amount of $400.00 was provided in the current year's appropriation for repairs and improvements at this school, and requesting a report on conditions of the sewage disposal system.

I may say that we have been in correspondence with Mr. Gow for some months in connection with this matter, and have received a report under cover of a letter from Mr. Gow dated the 21st instant. I am attaching hereto the report accompanying Mr. Gow's letter and prepared by Mr. Rose of Mr. Gow's office. Copy of a blueprint to accompany Mr. Rose's report is also attached.

10

In his covering letter Mr. Gow states that they have been very busy on work connected with his own Bureau, and so have not been able to prepare detail drawings of the extensions and alterations proposed. However, the preparation of these plans is now under way, and they will be completed as rapidly as Mr. Gow's staff activities will permit.

Mr. Gow states that if any work is to be carried out along the lines suggested in Mr. Rose's report, it is imperative that such work should be done during the holiday season and as soon after July 1st as possible. It will be noted that in this connection, Mr. Rose has estimated the cost of the proposed work at $2,102.00.

From Mr. Rose's history of this sewage disposal system as well as statements of present condition and recommendation with regard to what he thinks should be done, it does not appear to us that the $400.00 available for work this year will be of much use. However, as Mr. Rose is now thoroughly familiar with the whole situation, if the Indian Affairs Branch do not wish to make an expenditure in excess of $400.00 this season, our recommendation would be that the expenditure of this amount be left to the discretion of Mr. Gow as to what work could be undertaken to the best advantage with this limited amount.

Respectfully submitted,

T.S. Mills
per

Encls.

J.M. Wardle, Esq.,
Director,
Surveys and Engineering Branch,
Dept. of Mines and Resources,
O t t a w a.

Indian Affairs. School Files.
(RG 10, Volume 6189, File 461-5, part 7)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

Library and Archives Canada / Bibliothèque et Archives Canada
www.collectionscanada.gc.ca

129-3-5

OFFICE OF THE DIRECTOR

CANADA
DEPARTMENT OF MINES AND RESOURCES

SURVEYS AND ENGINEERING BRANCH

30th June, 1939.

Department of Mines & Resources
Indian Affairs Branch
JUL 4 1939
REGISTERED

Memorandum:

Dr. McGill

Mr. Rose, of Mr. Gow's office, has made an inspection of conditions at the Cecilia Jeffery Indian Reserve in regard to the sewage disposal and recommends work to be undertaken as early as possible, preferably during the holiday season, the total cost of which is $2,102.

We are advised by your memorandum of the 21st instant that $400 had been provided for repairs and improvements. If this money was to be spent in connection with the sewage disposal system and if Indian Affairs cannot provide a sufficient amount to undertake the whole work it is recommended that Mr. Gow undertake whatever is most necessary and can be accomplished with the money provided.

A copy of the Chief Engineer's covering memorandum is attached with Mr. Rose's report and blueprint sketch. We shall await information from you as regards the amount of money which you can make available.

Amount supply to Dr. James

J. McWardle
Director.

Indian Affairs. School Files.
(RG 10, Volume 6189, File 461-5, part 7)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

Library and Archives Canada / Bibliothèque et Archives Canada
www.collectionscanada.gc.ca

129-3-5
211-11 A.C.J.

INSPECTOR OF INDIAN AGENCIES

CANADA
DEPARTMENT OF MINES AND RESOURCES
INDIAN AFFAIRS BRANCH

Department of Mines & Resources
Indian Affairs Branch
JUL 17 1939
REGISTERED

GR

536 Dominion Public Bldg.
Winnipeg, Manitoba,
July 15th, 1939.

Dear Sir, Re Bake Oven Cecilia Jeffrey School.

I wish to refer to Department letter, file 129-3-5 dated May 11th, and, if possible, would like to be supplied with the following information -

A.T. Fife Co. Kenora
" $770.00

1. From whome the electric bake oven was purchased
2. Price paid and to whom cheque was issued
3. If purchased in 1929, and did the Department receive a refund in the way of an adjustment?

The reason I request the above information is in view of the fact that from information gathered I understand the original cost was $714.00 and that shortly after the oven was installed, Mr. Byers complained that it was not satisfactory and some of the company's officials visited the school and an understanding was arrived at that an adjustment would be made and then Mr. Byers would look after the oven himself. The adjustment, I understand, amounted to a refund of $142.80 and was paid by cheque number 2986. Since that time the company has changed hands and experienced a fire, in which a number of the records were destroyed and no doubt the cancelled cheque is among these records.

I would be pleased to hear from the Department concerning this matter.

Yours very truly,
A. G. Hamilton,
Inspector of Indian Agencies
Manitoba.

The Secretary,
Indian Affairs Branch,
Dept., of Mines & Resources,
OTTAWA, Ont.

Indian Affairs. School Files.
(RG 10, Volume 6189, File 461-5, part 7)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

Library and Archives Canada / Bibliothèque et Archives Canada
www.collectionscanada.gc.ca

129-3-5

Ottawa,
July 28, 1939.

Dear Sir:

I am in receipt of your letter of the 15th instant with reference to the bake oven at the Cecilia Jeffrey Indian residential school. Our files have been reviewed and it is found that Indian Agent Edwards issued voucher 4754 on October 18, 1938, for $1913.35 in favour of A.T. Fyfe & Company, Kenora, Ont., covering the cost of various equipment for the Cecilia Jeffrey Indian residential school.

Included in the above voucher was an item for 1 Model C Economy electric bake oven at a cost of $770.00.

While all our files have been carefully reviewed we cannot find any record of receiving the refund mentioned in your letter.

Yours truly,

Philip Phelan,
Chief, Training Division.

A. G. Hamilton, Esq.,
Inspector of Indian Agencies,
Winnipeg, Man.

Indian Affairs. School Files.
(RG 10, Volume 6189, File 461-5, part 7)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

Library and Archives Canada / Bibliothèque et Archives Canada
www.collectionscanada.gc.ca

DEPARTMENT OF MINES AND RESOURCES
INDIAN AFFAIRS BRANCH

Cecilia Jeffrey School
PRESBYTERIAN

E. W. BYERS
PRINCIPAL

KENORA, ONT., July 3rd, 1939.

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

Dear Sir,

The Agricultural Society of Kenora in conjunction with some interested local men have succeeded in arranging for ten members of the Cain riding school of Winnipeg to come to Kenora with their horses and conduct a riding school here during the Summer months.

They have also arranged to take part in the Agricultural Fair and stage riding events. This should greatly increase public interest in our Fair.

The manager of the Winnipeg club made a request for permission to stable their horses in the old barn situated across the lake from the school and belonging to the school. We do not use this stable -room during the Summer and it will be no inconvenience to the school to have them there.

As to rent I did not make any arrangements but thought as they were assuming all responsibility for the care of the horse s that we should make no charge.

Kindly advise me if this arrangement meets with the approval of the Department.

Yours very truly,
E. W. Byers.
Principal.

Indian Affairs. School Files.
(RG 10, Volume 6189, File 461-5, part 7)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

Library and Archives Canada / Bibliothèque et Archives Canada
www.collectionscanada.gc.ca

1.29-3-5

OFFICE OF THE
INDIAN AGENT

CANADA

DEPARTMENT
OF
MINES AND RESOURCES
INDIAN AFFAIRS BRANCH

PLEASE QUOTE
FILE 108-13

Kenora, Ontario.
July. 24th. 1939

Department of Mines & Resources
Indian Affairs Branch.
JUL 27 1939
REGISTERED

Dear Sir:

Enclosed please find letter from the Principal Cecilia Jeffrey School re allowing the Cain Riding School to stable their horses in the old Barn on the Cecilia Jeffrey School Property

If this is approved I shall be glad to have the necessary ~~agg~~ Authority and to know if any charge should be made for the privilege.

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 6189, File 461-5, part 7)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

Library and Archives Canada / Bibliothèque et Archives Canada
www.collectionscanada.gc.ca

129-3-6

Ottawa,
July 28, 1939.

Memorandum:

REPRESENTATIVE OF THE TREASURY

Please arrange for the transfer to the Surveys & Engineering Branch, from Vote 162 (76 Indian Education), of the amount of $2102.00 for improvements to the sewage disposal plant at the Cecilia Jeffrey Indian residential school.

In the current year's appropriation an amount of $3400.00 was provided for the sewage disposal plant at the Fort Frances Indian residential school. However, it now appears that only approximately $900.00 will be required at Fort Frances and consequently part of the amount unexpended at Fort Frances can be used at Cecilia Jeffrey.

Order

T.R.L.M.

Acting Director.

Indian Affairs. School Files.
(RG 10, Volume 6189, File 461-5, part 7)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

Library and Archives Canada / Bibliothèque et Archives Canada
www.collectionscanada.gc.ca

129-3-5

Ottawa,
July 28, 1939.

Memorandum:

DIRECTOR

Surveys & Engineering Branch

I desire to refer to your memorandum of June 30 with reference to the sewage disposal at the Cecilia Jeffrey Indian residential school.

My reply has been somewhat delayed due to the fact that we were not certain if funds could be secured. However, it is now found possible to provide the amount required and the Representative of the Treasury is being requested to transfer to your Branch the sum of $2102.00.

I should, therefore, appreciate it if you would arrange to have the necessary work undertaken at once.

As you are aware the sewage disposal system at this school has been a continual source of trouble for some years and it is, therefore, hoped that the work done this year will put it in such condition that no further expenditure will be required for some time to come.

Acting Director.

Indian Affairs. School Files.
(RG 10, Volume 6189, File 461-5, part 7)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

Library and Archives Canada / Bibliothèque et Archives Canada
www.collectionscanada.gc.ca

129-S-5

Ottawa,
July 28, 1939.

Memorandum:

REPRESENTATIVE OF THE TREASURY

Please arrange for the transfer to the Surveys & Engineering Branch, from Vote 162 (74 Indian Education), of the amount of $2102.00 for improvements to the sewage disposal plant at the Cecilia Jeffrey Indian residential school.

In the current year's appropriation an amount of $3400.00 was provided for the sewage disposal plant at the Fort Frances Indian residential school. However, it now appears that only approximately $900.00 will be required at Fort Frances and consequently part of the amount unexpended at Fort Frances can be used at Cecilia Jeffrey.

Acting Director.

Transfer requested July 31/39
L.V.31
A.F.M.

Representative of the Treasury
RECEIVED
JUL 31 1939
INDIAN AFFAIRS.

Indian Affairs. School Files.
(RG 10, Volume 6189, File 461-5, part 7)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

Library and Archives Canada / Bibliothèque et Archives Canada
www.collectionscanada.gc.ca

129-3-5

Ottawa,
August 3, 1939.

EX'D.
A.

Dear Sir:

I desire to acknowledge the receipt of your letter of the 24th ultimo enclosing letter from the Principal of the Cecilia Jeffrey residential school with reference to allowing the Cain Riding School to stable their horses in the old barn on the Cecilia Jeffrey school property.

In your letter you did not make any recommendation regarding this matter and I should appreciate your advising whether or not you consider we should accede to the Principal's request.

Yours truly,

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

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

Indian Affairs. School Files.
(RG 10, Volume 6189, File 461-5, part 7)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

Library and Archives Canada / Bibliothèque et Archives Canada
www.collectionscanada.gc.ca

129-3-5

OFFICE OF THE INDIAN AGENT

CANADA
DEPARTMENT OF MINES AND RESOURCES
INDIAN AFFAIRS BRANCH

PLEASE QUOTE
FILE 108-13

Kenora, Ontario,
August 9, 1939.

Department of Mines & Resources
Indian Affairs Branch
AUG 12 1939
REGISTERED

Dear Sir:

Replying to Departmental letter 129-3-5 of the 3rd. instant, re Riding School stabling horses in the old barn at the Cecilia Jeffrey School property.

I saw the principal yesterday and he informed me he had allowed the outfit to use the barn and that they would shortly be through. He received no permission from me.

I don't think they have done any harm but don't consider he should have allowed them to use the barn without our authority.

I regret I omitted to recommend approval be given. Should I mention anything further to the principal?

Yours very truly,

Hank Edwards

Indian Agent.

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

Indian Affairs. School Files.
(RG 10, Volume 6189, File 461-5, part 7)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

Library and Archives Canada / Bibliothèque et Archives Canada
www.collectionscanada.gc.ca

129-3-5
211-11 A.C.J.

INSPECTOR OF INDIAN AGENCIES

CANADA
DEPARTMENT
OF
MINES AND RESOURCES

GD

INDIAN AFFAIRS BRANCH
Department of Mines & Resources
Indian Affairs Branch.
AUG 12 1939
REGISTERED

538 Dominion Public Bldg.,
Winnipeg, Manitoba,
August 9th, 1939.

Dear Sir:

I wish to acknowledge Department letter 129-3-5, dated July 28th, and would point out that J. J. Dacust & Co. are still of the opinion that in view of a refund made to Mr. Byers and the understanding with him some ten years ago, that they should not be expected to take any further action in connection with the electric bake oven.

Yours very truly,

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

The Secretary,
Indian Affairs Branch,
Dept. of Mines & Resources,
OTTAWA, Ont.

Indian Affairs. School Files.
(RG 10, Volume 6189, File 461-5, part 7)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

Library and Archives Canada / Bibliothèque et Archives Canada
www.collectionscanada.gc.ca

KODAK SAFETY ▲ FILM +●

AB. I. A.1372-1

August 15, 1939.

DIRECTOR
AUG 16 1939
SURVEYS & ENGINEERING

MEMORANDUM:

Mr. Wardle.

Re: Cecilia Jeffrey Indian Residential School, Sewage Disposal System.

In accordance with your memorandum of the 31st ultimo, Mr. Gow was instructed to have work in connection with the above project put in hand along the lines proposed in his previous report with as little delay as possible so that such work might be completed before school re-opens.

We are now in receipt of a reply from Mr. Gow in which he advises that they are endeavouring to have the work at Fisher River and Birtle undertaken and completed before the end of the present month, and while he is not planning on having the representative of his staff continuously on the work at either of these places, yet it is necessary that periodic visits be made while the work is in progress. Under the circumstances Mr. Gow states that he will not be able to undertake the work at the Cecilia Jeffrey Indian Residential School until late in August. He further advises, however, that it is not considered that the work at this latter school will be greatly interfered with by having school in operation.

Respectfully submitted,

T.S. Mills
jrm

J.M. Wardle, Esq.,
Director,
Surveys and Engineering Branch,
Department of Mines and Resources,
O t t a w a .

Indian Affairs. School Files.
(RG 10, Volume 6189, File 461-5, part 7)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

Library and Archives Canada / Bibliothèque et Archives Canada
www.collectionscanada.gc.ca

129-3-5

OFFICE OF THE DIRECTOR

CANADA
DEPARTMENT OF MINES AND RESOURCES

SURVEYS AND ENGINEERING BRANCH

16th August, 1939.

Department of Mines & Resources
Indian Affairs Branch.
AUG 18 1939
REGISTERED

Memorandum:

Dr. McGill

Re: Cecilia Jeffrey Indian Residential School, Sewage disposal system.

For your information I am forwarding a copy of a memorandum from the Chief Engineer advising that it will be late in August before Mr. Gow will be able to undertake work at the above school as he is trying to finish work at Fisher River and Birtle before the end of this month.

It is noted that Mr. Gow does not consider that the school being in session will interfere greatly with the work required at the Cecilia Jeffrey School.

Director.

Indian Affairs. School Files.
(RG 10, Volume 6189, File 461-5, part 7)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

Library and Archives Canada / Bibliothèque et Archives Canada
www.collectionscanada.gc.ca

CHEYNE ELECTRIC

By Appointment

AUTHORIZED DEALERS FOR WESTINGHOUSE REAL AUTOMATIC REFRIGERATORS

MAIN STREET KENORA, ONT.

September 2nd, 1939.

Mr. E. W. Byers,
c/O Cecilia Jeffrey Indian School,
Kenora, Ontario.

Dear Mr. Byers:

I am in receipt of a letter from the Western Elevator and Motor Company, Limited of Winnipeg where we sent your one and a half horse power motor that drives the Kelvinator for your walking box in the basement, and they state that after a thorough examination that the motor would have to be completely rebuilt, including a new commentator, they also advise that the cost for this work would be approximately the price of a new motor.

As you know I have stated now for quite a considerable time that this machine has always been overloaded and I would suggest at this time that you carefully consider having the entire plant changed. The approximate cost of fixing up a condenser and supplying a new motor with labour, etc., would be around Two Hundred Dollars ($200.00).

Trasting to hear from you at your earliest convenience.

Yours very truly,

per
CHEYNE ELECTRIC

HC/MF

Lifetime

Indian Affairs. School Files.
(RG 10, Volume 6189, File 461-5, part 7)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

Library and Archives Canada / Bibliothèque et Archives Canada
www.collectionscanada.gc.ca

129-3-5

CANADA

DEPARTMENT
OF
MINES AND RESOURCES
INDIAN AFFAIRS BRANCH

PLEASE QUOTE
FILE 108-13.

Kenora. Ontario.
1st September, 1939.

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

Dear Sir,

Enclosed please find letter handed to me this morning by the Principal of the Cecilia Jeffrey School re fixing up the condenser and supplying a new motor for the Kelvinator.

From Cheyne's letter you will see an expenditure of $200.00 is necessary at the present time to put things in shape.

I shall be glad to receive instructions as soon as possible as the Principal informs me they have no ice.

He has asked me to send this letter by Air Mail so as to expedite a reply.

Yours very truly,

Frank Edwards

Indian Agent.

avoid vouchering
put up ice.

Cheyne informs me that to change the entire plant as recommended by him would cost between $1700 and $2200.

Indian Affairs. School Files.
(RG 10, Volume 6189, File 461-5, part 7)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

Library and Archives Canada / Bibliothèque et Archives Canada
www.collectionscanada.gc.ca

129-3-5

Ottawa,
September 7, 1939.

Dear Sir:

I am in receipt of your letter of the 1st instant with reference to the repairs required for the kelvinator at the Cecilia Jeffrey Indian residential school. The Department will allow an amount not exceeding $200.00 for repairs to the kelvinator. It is noted in the letter of the Cheyne Electric Co. that the machine has been overloaded. This should be avoided in future and, if necessary, a quantity of ice should be put up in the winter and stored for summer use.

It is expected that the school management will give every possible attention to the proper operation of the kelvinator because in view of present conditions it will not be possible to consider changing the entire plant at the cost mentioned in your letter.

Yours truly,

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

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

Indian Affairs. School Files.
(RG 10, Volume 6189, File 461-5, part 7)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

Library and Archives Canada / Bibliothèque et Archives Canada
www.collectionscanada.gc.ca

copy

2M-[illegible]il, 1936

BOILER DATA REPORT No.

BOILER INSPECTION BRANCH ONTARIO *DEPARTMENT OF LABOUR*

Certificate No.s. S.315, S.316

Date of Inspection 14-8-39. Boiler No.s. 751 & 753

Owner Dept. of Indian Affairs, Capt.Edwards, Indian Agt., Kenora, Ont.
Address of Owner

Name of User" " " Address
If user is not owner, give names of both

Location of Boiler Cecilia Jeffrey Indian School, Kenora, Ont.
Street Town County

Boiler used for heating purposes Business

Type of Boiler Spencer Heating Year Built Made by
If unknown, estimate

Diam. of Shell or Drums 48" No. of Drums Length of Drums

No. of Sections, or Courses Length Overall 8' - 6"

Material Brand and T.S
Iron or steel

Thickness of Plate Long Seam Dia. of Rivets Riveting
Lap or butt

Dia. of Rivet Holes Pitch of Rivets Efficiency

Thickness of Tube Sheet No. of Tubes 23 Dia 3" Length 8' Pitch of Tube Hole
28 4½" 8'
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 above tubes Each head below 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 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 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

[illegible]n Shell, Give all Data N[illegible]sary to Compute Strength

Indian Affairs. School Files.
(RG 10, Volume 6189, File 461-5, part 7)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

Library and Archives Canada / Bibliothèque et Archives Canada
www.collectionscanada.gc.ca

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 ..... good

Source of Water Supply town mains ..... Quality .....

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 / Tenant / Engineer

Safety Valves—Set at ..... lbs. Ordinary Working Pressure .....

Conditions of This Boiler Internally .....

Sketches

Boilers used for heating.

Boilers have been well washed out.

Steam gauges tested O.K.

Water Gauges and try cocks all clear.

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:

Dome:

Staying:

Boiler Pressure Limited by: Canadian Interprovincial Regulations

Indian Affairs. School Files.
(RG 10, Volume 6189, File 461-5, part 7)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

Library and Archives Canada / Bibliothèque et Archives Canada
www.collectionscanada.gc.ca

2M [illegible] 1936

BOILER DATA REPORT No.

BOILER INSPECTION BRANCH ONTARIO *DEPARTMENT OF LABOUR*

Certificate No. S-317

Boiler No. 1644

Date of Inspection 14-8-39.

Owner Dept. of Indian Affairs, Capt. Edwards, Indian Agent, Kenora, Ont. (Address of Owner)

Name of User * (If user is not owner, give name and address) * Address

Location of Boiler Cecelia Jeffrey School, Kenora, Ont. (Street, Town, County)

Boiler used for laundry purposes Business

Type of Boiler vertical Year Built (If unknown, estimate) Made by

Diam. of Shell or Drums 30" No. of Drums Length of Drums

No. of Sections, or Courses Length Overall 6'

Material (Iron or steel) Brand and T.S

Thickness of Plate Long Seam (Lap or butt) Dia. of Rivets Riveting

Dia. of Rivet Holes Pitch of Rivets Efficiency

Thickness of Tube Sheet No. of Tubes 48 Dia 2" Length 47" (Long. seam) 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 (Each head below tubes)

Stays below Tubes (No. each head and type (through head to head, or diagonal, welded or weldless), net cross sectional area) (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 (No. of rows) Is Opening in Shell Full Size of Dome? Braces in Dome

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 115 (This inspection) Lbs 115 (Previous inspection) Lbs. Factor of Safety (This inspection) Hydrostatic test Lbs.

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

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

[illegible] in Shell, Give all Data Necessary to Compute Strength

Indian Affairs. School Files.
(RG 10, Volume 6189, File 461-5, part 7)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

Library and Archives Canada / Bibliothèque et Archives Canada
www.collectionscanada.gc.ca

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 Tenant Engineer

Safety Valves—Set at ..... lbs. Ordinary Working Pressure .....

Conditions of This Boiler Internally .....

Sketches

Boiler used for laundry purposes.
Steam gauge tested O.K.
Water gauge and try cocks all clear.
Boiler has been well washed out.
New fire grates to be ordered.

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:

Dome:

Staying:

Boiler Pressure Limited by Canadian Interprovincial Regulation

Indian Affairs. School Files.
(RG 10, Volume 6189, File 461-5, part 7)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

Library and Archives Canada / Bibliothèque et Archives Canada
www.collectionscanada.gc.ca

129-3-5

Reports
2 Schools

OFFICE OF THE
INDIAN AGENT

CANADA
DEPARTMENT
OF
MINES AND RESOURCES
INDIAN AFFAIRS BRANCH

PLEASE QUOTE
FILE 108-13.

Department of Mines & Resources
Indian Affairs Branch.
SEP 7 1939
REGISTERED

Department of Mines & Resources
Indian Affairs Branch.
SEP 2 1939
REGISTERED

Kenora. Ontario.
30th August, 1939.

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

Dear Sir,

Enclosed please find the Ontario Boiler Inspector 's reports on the boilers at the Cecilia Jeffrey and Kenora Indian Residential Schools.

Ads
Power

The Inspector recommends we get new grates for boiler # 1644 at the Cecilia Jeffrey Residential School if you approve I shall be glad if you will order them and have them sent to the Principal at Kenora, Ontario.

Yours very truly,

Rank Edwards

Indian Agent.

Indian Affairs. School Files.
(RG 10, Volume 6189, File 461-5, part 7)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

Library and Archives Canada / Bibliothèque et Archives Canada
www.collectionscanada.gc.ca

129-3-5

Ottawa,
September 9, 1939.

Dear Sir:

With reference to your letter of the 30th ultimo please let me know the cost of new fire grates for the Cecilia Jeffrey Indian residential school.

Yours truly,

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

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

Indian Affairs. School Files.
(RG 10, Volume 6189, File 461-5, part 7)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

Library and Archives Canada / Bibliothèque et Archives Canada
www.collectionscanada.gc.ca

211-11 A.C.J.

129-3-5

INSPECTOR OF INDIAN AGENCIES

CANADA
DEPARTMENT
OF
MINES AND RESOURCES

GD

INDIAN AFFAIRS BRANCH

Department of Mines & Resources
Indian Affairs Branch.
SEP 7 1939
REGISTERED

538 Dominion Public Bldg.,
Winnipeg, Manitoba,
September 5th, 1939.

AIR MAIL

Dear Sir:

I wish to refer to your letter 129-3-5, dated March 21st and to the second last paragraph in which it is stated that for the fiscal year 1939-40 provision has been made for an amount of $400.00 for the purchase of new equipment and repairs at the Cecilia Jeffrey Indian Residential School. I would be pleased to know if this money is still available. In view of the correspondence in connection with the bake oven I am not, at present, prepared to recommend the money be spent for this purpose. I would, however, refer to my letter of August 23, 1938 in which I recommended 75 mattresses, size 29" x 72" (probably 30" x 72") be supplied, I have today received word from Mr. Byers concerning this matter, pointing out that some consideration must be given. If the $400.00 is still available I would recommend that the mattresses be purchased.

Yours very truly,

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

The Secretary,
Indian Affairs Branch,
Dept. of Mines & Resources,
OTTAWA, Ont.

Indian Affairs. School Files.
(RG 10, Volume 6189, File 461-5, part 7)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

Library and Archives Canada / Bibliothèque et Archives Canada
www.collectionscanada.gc.ca

copy

ONTARIO

GOVERNMENT OF THE PROVINCE OF ONTARIO

DATE August 26th, 1939.

MESSRS. ~~Department of Indian Affairs,~~
Capt. Frank Edwards, Indian Agent,
~~KENORA, Ontario.~~

TO BOILER INSPECTION BRANCH, DEPARTMENT OF LABOUR DR.

MAKE CHEQUES PAYABLE TO PROVINCIAL TREASURER OF ONTARIO AND FORWARD TO CHIEF BOILER INSPECTOR, EAST BLOCK, PARLIAMENT BUILDINGS, TORONTO

L B. 25-5M SEPT. 1937 (L1980)

DATE		SERVICE			AMOUNT
~~1939~~					
Aug.	14	To inspection 2 used Spencer heating boilers and 1 used vertical boiler at Cecelia Jeffrey Residential School, Kenora.	25.50		
		" inspection 1 used sectional heating boiler and 1 used HRT boiler at St.Mary's Residential School, Kenora	20.50		
					$ 46.00

Indian Affairs. School Files.
(RG 10, Volume 6189, File 461-5, part 7)

PUBLIC ARCHIVES
ARCHIVES PUBLIQUES
CANADA

Library and Archives Canada / Bibliothèque et Archives Canada
www.collectionscanada.gc.ca