Ottawa,
May 18, 1944.

Memorandum:

DIRECTOR

Surveys & Engineering Branch

Re: Beauval Indian Residential School

This Branch has just been advised by the Principal of the above-mentioned school that, due to low water in La Plonge River during the past two winters, the river has frozen solid. This condition has existed approximately from December 15, 1942, to May 15, 1943, and also during the period December 15, 1943, to May 15, 1944. As a consequence there is no water to operate the turbines which supply the electrical power for the school.

The Department feels that it is important to have an engineer visit this school at the earliest possible date, with a view to determining if anything can be done to overcome the condition mentioned above. It would, therefore, be appreciated if you would arrange to have one of your engineers visit the school as soon as possible and submit a report regarding what action he considers could be taken.

In connection with the power plant at this school, I would refer you to your memorandum of August 31, 1938, and correspondence previous to that date.

Director.

Indian Affairs. (RG 10, Volume 6301, file 650-5, part 5)

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132-1-5

CANADA

DEPARTMENT
OF
MINES AND RESOURCES
INDIAN AFFAIRS BRANCH

PLEASE QUOTE
FILE 282-113.

Battleford. Sask.
March 29th. 1944.

Department of Mines & Resources, Indian Branch, Ottawa. Ont.
Treasury Office.

Department of Mines & Resources
APR 4 1944
REGISTERED

Representative
RECEIVED
APR 5 1944
INDIAN AFFAIRS.

Referring to your letter No. 132-1-5 of the 10th. inst. Rev. Father F.X. Gagnon, Beauval, writes me as follows:-

"As to the returnable drum to Sherwin Williams Co., Ltd., re Voucher No. 316 dated October 28, 1942, which was not returned. I may say that I still have the drum and as it is not empty so far, I could not return it. However, as soon as we could get hold of another drum, I will have it emptied and returned."

J.P.B. Ostrander.
Indian Agent.

Indian Affairs. (RG 10, Volume 6301, file 650-5, part 5)

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132-1-5

CE OF THE
DIRECTOR

CANADA
DEPARTMENT
OF
MINES AND RESOURCES

SURVEYS AND
ENGINEERING BRANCH

Ottawa, May 26th, 1944.

Department of Mines & Resources
Indian Affairs Branch
MAY 29 1944
REGISTERED

Dr. McGill

Re: Beauval Indian Residential School.

With reference to your memorandum of May 18th and on looking over our files in this matter, it would appear from an earlier report of Mr. E. Smith, Chief Operator of the Cascade Power Plant, who installed the turbine and electrical equipment at this school in August 1939, that the school is situated on the creek which flows from Lac La Plonge about 4½ miles downstream from the outlet of the lake.

Mr. Smith reported that the approach to the outlet of the lake where there is a dam had a depth of only 3 or 4 feet. He considered that conditions would permit of, at least, one foot of water being drawn from the lake. He made no report on the 4½ miles of creek between the outlet of the lake and the school.

Mr. Smith foresaw the possiblity of trouble arising from freezing at the outlet of the lake but Father Gagnon assured him that this did not happen.

However, it would seem possible, particularly if the outflow from the lake has diminished considerably, that in a severe winter either the outlet of the lake or shallow stretches of the creek may freeze solid to the bottom,

(over) .....

Indian Affairs. (RG 10, Volume 6301, file 650-5, part 5)

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and this could cut off water supply to the turbine. To correct this, it would be necessary to investigate the entire length of the creek between the lake and the school and wherever necessary, deepen it to five or six feet, which might prove to be a major undertaking.

We had not planned to have an Engineer in that area in the near future, but this matter will be borne in mind so that if opportunity should occur, an investigation will be made.

J. M. Wardle, P.

Director.

Indian Affairs. (RG 10, Volume 6301, file 650-5, part 5)

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Ottawa,
May 30, 1944.

Dear Father Plourde:

With reference to the Beauval Indian Residential School, the Surveys & Engineering Branch was written on the 18th instant in connection with the difficulty of operating the turbines during the winter. We are advised that, while they had not planned to have an engineer in the Beauval area in the near future, they will keep the matter in mind and as soon as opportunity offers an investigation will be made.

Yours truly,

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

Rev. J.O. Plourde, O.M.I.,
Ottawa University,
Laurier Ave. East,
Ottawa, Ont.

Indian Affairs. (RG 10, Volume 6301, file 650-5, part 5)

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ADDRESS REPLY TO
PURCHASING DIVISION

CANADA
DEPARTMENT
OF
MINES AND RESOURCES
GENERAL ADMINISTRATIVE OFFICES

PLEASE QUOTE
FILE 53,001-15-2
S.

OTTAWA July 7, 1944.

Memorandum

Mr. R.A.Hoey

With reference to the horizontal type boiler, 15 H.P. 100 lbs. working pressure, covered by your requisition, File 132-1-5. Tenders have been received on 15 H.P. boiler at $1263.00, and on a 10 H.P. boiler at $1025.00.

We note from the letter accompanying the requisition~~ed~~ signed by Mr. Fred Hayes, Inspector, Steam Boilers Branch, Department of Public Works, Prince Albert, Sask., that there are a number of good second-hand boilers in the vicinity of Prince Albert that may be purchased at reasonable rates. I would suggest that before we authorize the purchase of a new boiler that we take advantage of Mr. Hayes' suggestion, and endeavour to locate a good second-hand boiler, if it is possible to do so. Possibly the Indian Agent at Leask could investigate.

I am sending you Mr. Hayes' letter herewith, addressed to Rev. F.X.Gagnon, Beauval, Sask., and when it has served the purpose, will you please return it to this office.

H. J. DAVIDSON

Departmental Purchasing Agent.

WMV/HC

Indian Affairs. (RG 10, Volume 6301, file 650-5, part 5)

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53001

GOVERNMENT OF THE PROVINCE OF SASKATCHEWAN

WHEN REPLYING
ADDRESS YOUR ENVELOPE TO
DEPUTY MINISTER OF PUBLIC WORKS

REFER TO FILE

DEPARTMENT OF PUBLIC WORKS
STEAM BOILERS BRANCH

REGINA, SASK.

589-10th St. East,
Prince Albert, Sask.,
Jan. 29th, 1944.

Rev. F. X. Gagnon, O. M. I.,
Indian Residential School,
Beauval, Sask..

Dear Father,-

Received your letter this morning. It took considerable time to reach me, because it went to Regina first they returned it to me at Prince Albert.

Re-Your Gaar Scott Boiler #8119.

From your explanation in your letter I would say that it is impossible to do anything with a welding torch as the expansion and contraction is so great that you can't keep it from cracking. I have had several boilers like that of late that went the same way and had to be discarded. So my advice to you is to discontinue the use of same, as we would not like to have anything happen in the way of explosions.

If you are stuck for a boiler, there are quite a lot of good second hand boilers that can be picked up pretty reasonable and could be freighted in during the Winter months. The boiler could be stripped down which would make it easy to handle. If you anticipate on getting a second hand boiler let me know and I will gladly assist you in trying to locate one.

Sincerely yours,

Arch. Hayes.

P.S.-Best wishes to yourself and Br. Beaudoin.

Indian Affairs. (RG 10, Volume 6301, file 650-5, part 5)

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132/1/5

ADDRESS REPLY TO
PURCHASING DIVISION

CANADA
DEPARTMENT
OF
MINES AND RESOURCES
GENERAL ADMINISTRATIVE OFFICES

Department of Mines & Resources
Indian Affairs Branch
JUL 10 1944
REGISTERED

PLEASE QUOTE
FILE 53,001-15-2
S.

OTTAWA July 7, 1944.

1-Supt
2-Gagnon

Memorandum

Mr. R.A.Hoey

With reference to the horizontal type boiler, 15 H.P. 100 lbs. working pressure, covered by your requisition, File 132-1-5. Tenders have been received on 15 H.P. boiler at $1263.00, and on a 10 H.P. boiler at $1025.00.

We note from the letter accompanying the requisition, signed by Mr. Fred Hayes, Inspector, Steam Boilers Branch, Department of Public Works, Prince Albert, Sask., that there are a number of good second-hand boilers in the vicinity of Prince Albert that may be purchased at reasonable rates. I would suggest that before we authorize the purchase of a new boiler that we take advantage of Mr. Hayes' suggestion, and endeavour to locate a good second-hand boiler, if it is possible to do so. Possibly the Indian Agent at Leask could investigate.

I am sending you Mr. Hayes' letter herewith, addressed to Rev. F.X.Gagnon, Beauval, Sask., and when it has served the purpose, will you please return it to this office.

W.M. Davidson
Departmental Purchasing Agent.

WMV/HC

Indian Affairs. (RG 10, Volume 6301, file 650-5, part 5)

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132-1-5

Ottawa, July 11, 1944.

Dear Sir:

Reverend F. X. Gagnon, O.M.I., Principal of the Indian Residential School, Beauval, Sask., recently forwarded to the Department your letter to him dated January 29, last. At that time you stated that there were a number of good second hand boilers available around Prince Albert. You know the type of boiler that is required at the Beauval School, and it would be appreciated if you would let me know if there is a second hand boiler available at the present time which would fill the requirements. If so, please state its cost and the name and address of the person from whom it can be secured.

Yours truly,

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

Mr. Fred Hayes,
Inspector, Steam Boilers Branch,
Department of Public Works,
589 - 10th Street East,
Prince Albert, Sask.

Indian Affairs. (RG 10, Volume 6301, file 650-5, part 5)

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132-1-5

Ottawa, July 11, 1944.

Reverend Sir:

I desire to refer to your letter of April 25 and previous correspondence, with reference to the boiler required at the Beauval Indian Residential School.

Our Purchasing Branch obtained prices on a new boiler for your school and a tender on a 15 H.P. boiler at $1263.00 and on a 10 H.P. boiler at $1025.00.

Some time ago you forwarded to us a letter that you had received from Mr. Fred Hayes, of the Steam Boiler Branch, Department of Public Works, Prince Albert, Sask., dated January 29, 1944. In this letter Mr. Hayes stated that second hand boilers were available near Prince Albert. We are, therefore, writing to him, regarding the possibility of securing a good second hand boiler, and for your information I enclose a copy of our letter. As soon as we hear further from him, I will write you again.

Yours sincerely,

Encl.

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

Reverend F. X. Gagnon, O.M.I.,
Principal,
Beauval Indian Residential School,
B e a u v a l, Sask.

Indian Affairs. (RG 10, Volume 6301, file 650-5, part 5)

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132-1-5

Ottawa,
July 20, 1944.

Memorandum:

DIRECTOR

Surveys & Engineering Branch

I desire to refer you to my memorandum of May 18 and your reply of May 26, with reference to the Beauval Indian Residential School.

The school authorities have again brought to our attention the necessity for an inspection of the water supply at this school so as to ensure water during the coming winter. I should appreciate it if you could arrange to have one of your engineers visit the school at an early date, if he has not already done so.

H. Jones.

Director.

Indian Affairs. (RG 10, Volume 6301, file 650-5, part 5)

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(C O P Y)

Prince Albert, Sask.,
504 - 12th St. W.,
July 17, 1944.

Department of Mines & Resources,
Indian Affairs Branch,
Ottawa, Canada.

Dear Sirs:

Fred Hayes, boiler inspector, informs me that per your letter of July 11th to him, you wish to secure a boiler for the Indian Residential School at Beauval, Sask.

I have suitable boilers, two of which Mr. Hayes says will answer your purpose. You do not state in your letter whether you wish boiler and engine, or boiler only.

If you wish boiler only, the Case boiler which carries 140 pounds of steam - a 25 horse power boiler, is priced at $225.00 f.o.b. Prince Albert.

I also have a Gariscott engine which is complete - boiler, engine and rocker grates.

This would be $425.00, f.o.b. Duck Lake.

If you wish either of these delivered to Beauval I will quote you prices delivered.

Please advise,

Yours truly,

(Sgd.) Alex Colleaux
per A.H.

Indian Affairs. (RG 10, Volume 6301, file 650-5, part 5)

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132-1-5

July 24, 1944.

Memorandum:

DEPARTMENTAL PURCHASING AGENT

I desire to refer to your memorandum of the 7th instant, file 53,001-15-2 S, with reference to securing a second-hand boiler for the Beauval Residential School. Mr. Fred Hayes, Inspector, Steam Boilers Branch, Department of Public Works, Prince Albert, was written on July 11 and I enclose, for your information, a letter which has just been received from Mr. Alex Colleaux, Prince Albert, Saskatchewan.

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

Indian Affairs. (RG 10, Volume 6301, file 650-5, part 5)

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Beauval #5

CLASS OF SERVICE	SYMBOL
Full-Rate Message	
Day Letter	L
Night Message	M
Night Letter	N

If none of these three symbols appears after the check (number of words) this is a full-rate message. Otherwise its character is indicated by the symbol appearing after the check.

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CNT 6296
5-36

CONFIRMATION OF TELEGRAM

Telephoned

TO BE

Money Transferred by Telegraph

STANDARD TIME

1944 JUL 22 AM 11 42

YA 30 40 COLLECT DL=THEPAS MAN 22 1017A

0267

PHILIP PHELAN=

:DEPT OF MINES AND NATURAL RESOURCES INDIAN AFFAIRS BRANCH OTTAWA ONT=

:RETEL M AND C AVIATION CO LTD ARE OPERATING IN NORTH OF SASK FROM PRINCE ALBERT STOP IF YOU CANNOT MAKE ANY ARRANGEMENT WITH THEM THE SCHOOL TRUCK IF ADVISED COULD GO AND MEET ENGINEER AT MEADOW LAKE SASK=

BISHOP M LAJEUNESSE=

Department of Mines & Resources Indian Affairs Branch
JUL 25 1944
REGISTERED

Beauval #5

Form 6102

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D. E. GALLOWAY, Assistant Vice-President, Toronto, Ont.

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NIGHT LETTER	X

PATRONS SHOULD MARK AN X OPPOSITE THE CLASS OF SERVICE DESIRED. OTHERWISE THE MESSAGE WILL BE TRANSMITTED AS A FULL-RATE TELEGRAM

RECEIVER'S NO.	TIME FILED	CHECK

Send the following message, subject to the terms on back hereof, which are hereby agreed to

132-1-5

JULY 21 1944

RT REV M LAJEUNESSE
BISHOP OF KEEWATIN
THE PAS MAN

PLEASE ADVISE BY WIRE IMMEDIATELY QUICKEST MOST CONVENIENT METHOD OF REACHING BEAUVAL RESIDENTIAL SCHOOL AT PRESENT TIME - stop - WE ARE CONSIDERING SENDING AN ENGINEER TO INVESTIGATE POWER PLANT - stop - IS THERE A REGULAR AIR SERVICE TO ANY POINT NEAR THE SCHOOL AND IF SO AT WHAT POINT DOES IT START

PHILIP PHELAN

Charge: Indian Affairs Branch,
Dept. Mines & Resources.

Indian Affairs. (RG 10, Volume 6301, file 650-5, part 5)

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ADDRESS REPLY TO
PURCHASING DIVISION

CANADA
DEPARTMENT
OF
MINES AND RESOURCES
GENERAL ADMINISTRATIVE OFFICES

PLEASE QUOTE
FILE 53001-15-2
Sask.

OTTAWA July 25, 1944.

Memorandum

Dr. H.W.McGill

With reference to memorandum of the 24th instant, (I.A.B. file 132-1-5), it is noted that Mr. Alex. Colleaux, 504-12th St. West, Prince Albert, Sask., offers a boiler, 25 H.P. carrying a pressure of 140 lbs. of steam at $225.00 f.o.b. Prince Albert, Sask. If this is a horizontal boiler, not too large to fit into available space at the Beauval School (14' long 9' wide, 11' high) and if it is in good condition, it would appear to answer the needs of the school.

I would suggest that the boiler be examined by Indian Agent Jones, and by Mr. Fred Hayes, and that the former arrange for purchase and delivery of same, provided it is satisfactory as to condition, size, and capacity.

When delivery has been taken, please send voucher and invoice to this office for the usual action.

H.J. DAVIDSON
Departmental Purchasing Agent.

WMV/HC

Indian Affairs. (RG 10, Volume 6301, file 650-5, part 5)

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132-1-5

ADDRESS REPLY TO
PURCHASING DIVISION

CANADA
DEPARTMENT
OF
MINES AND RESOURCES
GENERAL ADMINISTRATIVE OFFICES

PLEASE QUOTE
FILE 53001-15-2
Sask.

OTTAWA July 25, 1944.

Memorandum

Department of Mines & Resources
Indian Affairs Branch
JUL 25 1944

Dr. H.W.McGill

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I would suggest that the boiler be examined by Indian Agent Jones, and by Mr. Fred Hayes, and that the former arrange for purchase and delivery of same, provided it is satisfactory as to condition, size, and capacity.

When delivery has been taken, please send voucher and invoice to this office for the usual action.

P.H. Davidson
Departmental Purchasing Agent.

WMV/HC

Indian Affairs. (RG 10, Volume 6301, file 650-5, part 5)

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132-1-5

July 26, 1944.

AIR MAIL

Dear Sir:

With reference to my letter of July 11, we recently received a letter from Mr. Alex Colleaux, 504 - 12th Street West, Prince Albert, offering a boiler, 25 H.P., carrying a pressure of 140 pounds of steam, at a price of $225 f.o.b. Prince Albert. If this is a horizontal boiler and not too large to fit into the available space at the Beauval School (14' long, 9' wide, 11' high) and is in good condition, we feel that it would answer the needs of the school.

It would be appreciated if you would examine this boiler and, if you consider it satisfactory as to condition, size and capacity, you may authorize Mr. Colleaux to ship same to Reverend F.X. Gagnon, O.M.I., Principal, Indian Residential School, Meadow Lake, Saskatchewan. In the event of your approving the boiler, you should have Mr. Colleaux prepare an account in duplicate which I should appreciate your certifying and forwarding to this office and payment will be made immediately.

Yours truly,

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

Mr. Fred Hayes,
Inspector, Steam Boilers Branch,
Department of Public Works,
589 - 10th Street East,
Prince Albert, Sask.

Indian Affairs. (RG 10, Volume 6301, file 650-5, part 5)

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CHECK

TIME FILED

STANDARD TIME

132-1-5

Send the following message, subject to the conditions on the back thereof, which are hereby agreed to.

AUGUST 2 1944

REV F X GAGNON OMI
PRINCIPAL
INDIAN RESIDENTIAL SCHOOL
BEAUVAL VIA MEADOW LAKE SASK

K B ANDRE WILL REACH MEADOW LAKE FROM PRINCE ALBERT MONDAY NIGHT AUGUST SEVENTH TO INSPECT POWER PLANT BEAUVAL SCHOOL - stop - BISHOP LAJEUNESSE RECENTLY WIRED THAT TRUCK FROM SCHOOL WOULD MEET HIM - stop - TRUST YOU WILL MAKE NECESSARY ARRANGEMENTS

R A HOEY

Charge: Indian Affairs Branch,
Dept. Mines & Resources.

Indian Affairs. (RG 10, Volume 6301, file 650-5, part 5)

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(C O P Y)

GOVERNMENT OF THE PROVINCE OF SASKATCHEWAN

589-10th St. East,
Prince Albert, Sask.,
August 34d, 1944.

Mr. R.A. Hoey,
Supt. of Welfare & Training,
Department of Mines and Resources,
Indian Affairs Branch,
Ottawa.

Dear Sir:

Your letter of July 26th received. I wired Rev. F.X. Gagnon giving him size of boiler to see if the space available was O.K. for the boiler. He wired back "Ship boiler immediately."

I got Mr. Colleaux to prepare the boiler for a hydro test. I put on a hydro test of 250 lbs. per square inch and found boiler to be in excellent condition.

I am issuing an inspection certificate with boiler to be delivered to the Rev. Gagnon at Beauval. Enclosed find Mr. Colleaux's bill for boiler f.o.b. Prince Albert, which I certify to be correct.

Yours sincerely,

(Sgd.) Fred Hayes,
Boiler Inspector,
Province of Saskatchewan.

Indian Affairs. (RG 10, Volume 6301, file 650-5, part 5)

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132-1-5

Ottawa,
August 7, 1944.

Memorandum:

DEPARTMENTAL PURCHASING AGENT

On receipt of your memorandum of the 25th ultimo, in connection with securing a second-hand boiler for the Beauval Residential School, Mr. Fred Hayes, Boiler Inspector for the Province of Saskatchewan, was written and I enclose his reply dated August 3, 1944. I also enclose account covering the cost of the boiler and I should appreciate your issuing purchase order so that it may be paid.

Philip Phelan,
Chief, Training Division.

Indian Affairs. (RG 10, Volume 6301, file 650-5, part 5)

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132-1-5

Ottawa,
August 8, 1944.

EX D.

Dear Father Plourde:

With reference to your inquiry regarding payment for a rug supplied to the Beauval Residential School, you will recall that this was purchased from Gaults Limited. The account which we have on file is dated April 2, 1943, and mentions one 9 x 12 Axminster rug -- $42.

A voucher was issued in this office on March 3 requesting payment of this amount to Reverend F.X. Gagnon, O.M.I., Principal, Indian Residential School, Beauval, Saskatchewan.

Cheque 19070 dated March 7, 1944, for $42 was issued and sent to Father Gagnon.

The cancelled cheque has been returned through the bank to the Auditor General's office and I have had an opportunity of seeing it this morning. It is endorsed in ink as follows: "F.X. Gagnon, per E. Ringuet." It bears a rubber stamp showing that the cheque was deposited in the Royal Bank of Canada, The Pas, Manitoba, to the credit of the R.C. Episcopal Corporation of Keewatin on July 10, 1944.

Yours truly,

Philip Phelan,
Chief, Training Division.

Rev. J.O. Plourde, O.M.I.,
Ottawa University,
Laurier Ave. East,
Ottawa, Ont.

Indian Affairs. (RG 10, Volume 6301, file 650-5, part 5)

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132-1-5

Ottawa,
August 7, 1944.

Memorandum:

DEPARTMENTAL PURCHASING AGENT

On receipt of your memorandum of the 25th ultimo, in connection with securing a second-hand boiler for the Beauval Residential School, Mr. Fred Hayes, Boiler Inspector for the Province of Saskatchewan, was written and I enclose his reply dated August 3, 1944. I also enclose account covering the cost of the boiler and I should appreciate your issuing purchase order so that it may be paid.

Philip Phelan,
Chief, Training Division.

Indian Affairs. (RG 10, Volume 6301, file 650-5, part 5)

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August 3rd, 1-

R. A. Hoey,
Supt. of Welfare & Training,
Department of Mines and Resources,
Indian Affairs Branch.

One -25 h.p. horizontal steam boiler. $225.00

F.O.B. Prince Albert.

TRIPLICATE FOR FILE
12-8-44
Voucher in duplicate detached
for Accountant to pay.

A Colleaux

A. Colleaux,
504-12th St. West,
PRINCE ALBERT.

Certified to be correct.
Fred Hayes

Indian Affairs. (RG 10, Volume 6301, file 650-5, part 5)

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DEPARTMENT OF MINES AND RESOURCES

Order No. 26061

RECEIPT FORM

This order number to appear on all packages and invoices

File No. 8-2,001-10-

A. Collieux,
804-12th Street West,
Prince Albert, Sask.

Ottawa, August 9, 1944.

Supplies mentioned hereunder have been received and found satisfactory with exception of those listed under "Remarks".

EXD

Invoices already received

QUANTITY	DESCRIPTION	UNIT	TOTAL	
	Purchased for the Beauval Indian Residential School.			
1 only	Stationary horizontal steam boiler 25 H.P. - second hand		$225.00	
	Tested, inspected & recommended by Fred Hayes, Boiler Inspector, Province of Saskatchewan.			
	As per invoice dated Aug. 3/44.			
	Voucher No.			
WMV/RC	Prices F.O.B. Prince Albert, Sask as per your	of		

Shipping Instructions: Already received.

Vote 70 Primary 12-422

Encumbrance No. 674

Date to be delivered:

Freight or Express charges paid

Remarks: (Report shortages, if any)

RETURNED TO HEAD OF BRANCH

Date

Signature of Receiving Officer

Indian Affairs. (RG 10, Volume 6301, file 650-5, part 5)

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DEPARTMENT
OF
MINES AND RESOURCES
SURVEYS AND ENGINEERING BRANCH

Address Reply to
Engineering and
Construction
Service

QUOTE FILE

During the past three Winters the power for the School and Mission has been generated from a belt connection to a diesel tractor which the mission have on hand. I understand from Father Gagnon that this was barely satisfactory and involved a number of difficulties other than depriving the mission of the use of the tractor. The domestic supply during the first two of the last three years was obtained by hauling it from a spring located below the pumphouse. Las Winter a concrete well was constructed into which the spring flowed, and the water was pumped from there to the storage tank at the school. This tank has a capacity of 2000 gallons and in case of fire, this arrangement would not be adequate; also there is evidence at present of the spring drying up to some slight extent.

Dismissing the idea of piping the water from above the upper control dam as either too costly or not dependable, there appears to be only two other solutions to the situation which has developed.

There is the possibility of creating a reservoir above the power dam with sufficient pondage to operate the power unit and meet domestic requirements during the four months when the supply from Lac La Plonge is cut off. I do not believe it would be good policy to raise the level at the present dam with this in mind. This scheme, therefore, even if otherwise practical, would involve the prospect of building another dam, also the water thus impounded may not prove suitable for domestic supply.

The only scheme that seems practical and which the writer would recommend at the present time, would be the installation of a diesel unit. While the transportation difficulties that exist here would make the problem of bringing in fuel rather expensive, it would only be necessary to resort to this source of power for four months of the year. The diesel would also be on hand for emergency operation during other periods. The problem of domestic supply during the winter months, while barely adequate, could be managed. There is also a good prospect of the situation remedying itself later.

I have secured all the necessary field data required for the plans in connection with the issuing of a Provincial License, and will send the plans as soon as they are completed.

(Sgd.) K.B.Andre,

K.B.Andre,
Assistant Engineer.

T.S.Mills, Esq.,
Chief Engineer,
Engineering & Construction Service,
Ottawa, Ont.

Indian Affairs. (RG 10, Volume 6301, file 650-5, part 5)

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OF
MINES AND RESOURCES

QUOTE FILE

ADDRESS REPLY TO
ENGINEER AND
CONSTRUCTION SERVICE

SURVEYS AND ENGINEERING BRANCH

Jasper, Alberta.
August 25th, 1944.

Re - Investigation Beauval Indian Residential School.

The situation that currently exists during the Winter months at the Beauval School and Mission is a lack of water for both the domestic requirements and the hydro electric development. This situation has existed for the past three Winters, and has been caused by freezing at the outlet of Lac la Plonge, thus cutting off the water which previously found its way down River La-Plonge.

The freezing is by no means a purely local condition and occurs not only at the outlet, but also for some considerable distance out into the lake. The freezing usually commences several hundred feet out from the outlet and gradually works in to the control dam which is approximately a quarter of a mile down the river from its junction with the lake.

These conditions did not exist until three years ago, up until which time the water in Lac La Plonge was at least 2½ feet higher than it is at present. As a result of this lower water lever there is now no depth of water greater than 2½ feet within 1500 feet of the outlet into River La Plonge with the result that this whole area freezes solid during the cold weather. It is not a case of a sandbar or other obstruction impeding the flow and alterations in the construction at the control dam would not remedy the situation. The lowering of Lac La Plonge can in no way be attributed to the negligible amount of water which is allowed through the control dam down River La Plonge, as the sluice gate at the control dam is kept constantly closed except in the Winter, and for the other brief periods during which the sawmill is in operation. River La-Plonge has a few small feeder streams and these supply sufficient water for both power and domestic supply. They cannot, however, be depended upon during the cold weather or very dry seasons.

The only remedy the writer could suggest for this freezing condition would be to pipe the water from the deeper portion of the lake past the upper control dam to a point where the bed of the river assumes a gradient sufficient to allow the water to flow freely. The upper section of River La Plonge in the vicinity of the control dam is, in places now less than 5 feet wide and one foot deep. This remedy would not, in my opinion, be a very feasible engineering operation. It would require a minimum of 2800 feet of pipe, and, disregarding the difficulties involved and expense attached to such an underteking, there is no assurance that the level of Lac La Plonge will not recede still farther, thus rendering the scheme useless. Lac La Plonge has not a large drainage area, and forest fires in recent years have exposed most of the surrounding country. This may account partially for the lowering in the lake level, although precipitation in this district during the past three years has been subnormal. As an alternative to laying a pipe, there would be the prospect of digging an open channel out to deeper water. It would be impractical to attempt this without equipment which I am certain could not be brought in to this location.

Indian Affairs. (RG 10, Volume 6301, file 650-5, part 5)

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I.A.1561-1

, September 15th, 1944.

Memorandum:

Re: Beauval Indian Residential School

In reference to your notation on Dr. McGill's memorandum of July 20th last regarding the water supply at the above school, we are attaching two copies of a report prepared by Mr. K. B. Andre following an inspection made during the period August 11th to 18th, 1944.

Mr. Andre states that until three years ago, the level of Lac La Plonge was at least 2½ feet higher than at present, and that there is now no depth of water greater than 2½ feet within 1500 feet of the outlet into La Plonge river. This area freezes solid to the bottom in winter cutting off the flow to the river and to the hydro-electric plant.

The lowering of the lake level is said to be due to sub-normal rainfall and not to any wasteful operation of the control dam, as the sluice is only opened when the sawmill is being operated and in winter. At other times there is a sufficient flow from some small streams entering the river below the control dam, but these cannot be depended on in cold weather or very dry seasons.

The excavation of a channel to deeper water in the lake is not feasible owing to the expense involved and the difficulty of taking suitable equipment over the road from Meadow Lake to Beauval, nor does the raising of the dam at the power plant to create sufficient storage to operate during the winter appear to be an attractive proposition.

During the past three winters when this low water condition has obtained the school authorities have operated the generator by a belt drive from their Diesel tractor. In this way they were able to carry on, but at the loss of the use of the tractor for other purposes.

Under the circumstances, Mr. Andre recommends that a Diesel engine be installed to operate the generator when the water supply is insufficient during the winter or in emergencies during other periods. We concur in this recommendation, and would suggest that, as was done at the McIntosh school when the penstock was being replaced, a used truck or automobile engine together with the necessary pulleys and belting be purchased, and installed by the school authorities. At McIntosh, the Department paid $50.00 for the pulleys and belting, and $100.00 for a used automobile engine. The school purchased the engine and installed it.

T. S. Mills

Chief Engineer.

Encls:

J. M. Wardle, Esq.,
Director,
Surveys and Engineering Branch,
Department of Mines and Resources,
Ottawa, Ontario.

DIRECTOR SEP 15 1944 SURVEYS & ENGINEERING

P.S. The auxiliary engine mentioned above may be either Diesel or gasoline and either new or used, so long as it can deliver 30 H.P., which is the rated capacity of the turbine

(over)

Indian Affairs. (RG 10, Volume 6301, file 650-5, part 5)

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P.S.(Continued)

it will replace temporarily. In view of the temporary nature of the installation a good used engine would be satisfactory and much cheaper than a new one.

T.S. Mills
jm

Indian Affairs. (RG 10, Volume 6301, file 650-5, part 5)

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OFFICE OF THE DIRECTOR

CANADA

DEPARTMENT OF MINES AND RESOURCES

SURVEYS AND ENGINEERING BRANCH

September 21st, 1944.

Department of Mines & Resources
Indian Affairs Branch
SEP 26 1944
REGISTERED

Dr. McGill

Re: Water Supply, Beauval Indian Residential School

We were able to arrange for an inspection of the hydro-electric plant at the above school by Mr. K.B.Andre of our engineering staff from August 11th to 18th last and I am forwarding herewith, for your information, a copy of Mr. Andre's report of August 25th and a copy of a memorandum, dated September 15th from Mr. Mills in which he summarizes Mr. Andre's findings.

You will note that the basic trouble is the lowering of the water level in Lake La Plonge to the extent that the maximum depth of water within 1500 feet of the outlet into the river is only 2½ feet. As a result this section of the lake freezes solid in the winter months cutting off the flow of water to the river and to the hydro-electric plant. Any works directed to obtaining a greater depth of water would be too costly for consideration and the best solution seems to be that recommended by Mr. Andre and mentioned in the last paragraph of Mr. Mills' memorandum. This is an installation of an auxiliary engine to deliver 30 h.p. and which will drive the generator over the winter months when no water is available for hydro-electric operations. You will note from Mr. Mills' memorandum that a used automobile engine will be satisfactory if a suitable one could be obtained.

J. McDougall

Director.

Indian Affairs. (RG 10, Volume 6301, file 650-5, part 5)

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132-1-5

Copy sent to Father Plourde

Ottawa,
September 27, 1944.

Reverend Sir:

The Surveys & Engineering Branch have reported regarding Mr. Andre's inspection of the water supply at your school. The report reads in part as follows:

"The lowering of the lake level is said to be due to sub-normal rainfall and not to any wasteful operation of the control dam, as the sluice is only opened when the sawmill is being operated and in winter. At other times there is a sufficient flow from some small streams entering the river below the control dam, but these cannot be depended on in cold weather or very dry seasons.

"The excavation of a channel to deeper water in the lake is not feasible owing to the expense involved and the difficulty of taking suitable equipment over the road from Meadow Lake to Beauval, nor does the raising of the dam at the power plant to create sufficient storage to operate during the winter appear to be an attractive proposition.

"During the past three winters when this low water condition has obtained the school authorities have operated the generator by a belt drive from their Diesel tractor. In this way they were able to carry on, but at the loss of the use of the tractor for other purposes.

"Under the circumstances, Mr. Andre recommends that a Diesel engine be installed to operate the generator when the water supply is insufficient during the winter or in emergencies during other periods. We concur in this

Rev. F.X. Gagnon, O.M.I.,
Principal,
Indian Residential School,
Beauval, Sask.

Indian Affairs. (RG 10, Volume 6301, file 650-5, part 5)

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