

Le 2 juillet 1947.

Monsieur Adjutor Dussault, c.r.,
Sous-Ministre des Ressources hydrauliques,
Hôtel du gouvernement,
Québec, Qué.

Réservoir Lac Dozois et ligne de
transmission Cadillac-Noranda-Normetal


Cher monsieur Dussault,

Le 30 mai dernier, je vous demandais de nous faire parvenir, par l'entremise du département du Trésor, une somme additionnelle de \$1,000,000.00 pour couvrir une autre tranche des dépenses faites et à venir relatives à l'exécution de ces deux projets.

A cette date, la somme avancée par l'Hydro-Québec s'élevait à \$726,241.17. Depuis, nous avons acquitté, entre autres comptes, celui d'Angus Robertson au montant de \$311,275.16, et nous paierons, en conformité de vos recommandations du 27 juin, \$62,314.20 à Simard et Frère Cie, Ltée (estimation No. 3) et \$91,675.07 à la Société d'Entreprises Générales (estimation No. 4), formant en tout un grand total de \$1,191.505.60.

Dans les circonstances, vous seriez bien aimable d'inviter le département du Trésor à se rendre à notre requête le plus tôt possible.

Votre tout dévoué,


Raymond Latreille
Commissaire.

RL:VB

July 14th, 1947.


Mr. C. G. Kingsmill,
Assistant Chief Engineer,
Generating Plants and Hydraulic Division,
Electrical Department.

LAKE DOZOIS

Dear Mr. Kingsmill:

As a consequence of the expectation foreseen in the last paragraph of your memo dated July 10th, would you not think it advisable to give all interested parties advance notice that next Spring the waters of Lake Dozois may reach an even higher level than this year?

Yours very truly,


Raymond Latreille
Commissioner.

RL:VB

H Y D R O - Q U É B E C

INTERDEPARTMENTAL

MONTREAL, Que.,
July 17th 1947.

File CE 6-1-1

Mr. Raymond Latreille, Commissioner,
8th Floor,

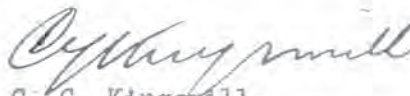
Dear Mr. Latreille:-

RE: Lac Dozois Dam

In reply to your letter of the 14th inst., regarding expected high water at Lac Dozois next spring, Mr. Sauer has checked, and agrees with my calculations.

I therefore quite agree with your suggestions that all interested parties should be advised to expect water next spring 2 $\frac{1}{2}$ feet or more higher than this year.

Yours very truly,



C. G. Kingsmill,
Assistant Chief Engineer,
Generating Plants & Hydraulic Division

CGK/CM

August 7/47

LAC DOZOIS STORAGE RESERVOIR

Highway Below Elevation 1120

B-4791-Sheet 34:	Highway South of Chochocquane River	1500 ft
	" North of Ottawa River	400 ft
	Bridge over Chochocquane Riv. (Through Truss (2-120' spans)	
	" Elev'n Top Deck 1121.6	
	Distance from deck to underside	4'2" about
B-4791-43	Highway west of Baie Neuf Milles	360 ft
	Bridge over Riv. Trompeuse (No information) (May be culvert)	
	Elev'n Top Deck 1131	
	Dist. from deck to underside ?	
B-4791-45	Highway north of Camatose Riv.	270 ft
	" south " " "	1120 ft
	Bridge over Camatose Riv. (No information)	
	Elev'n Top Deck 1121.7	
	Dist. from deck to underside	
	Dent's Saw mill - Mill & most of out bldgs below Elev's 1120	
B-4791-42	Ravine at South East End of Lac Canica	
	Elev'n of highway 1131.7	
	Culvert over Ravine ?	
	Total Highway	3650 ft

FLOODING TO ELEV'N 1120

B-4791-40	Camp Dorval	
	Chalets Nos 1 & 2 below Elev'n 1120	
	and Chalets # 1 to 8 " " 1135	
	Highway presumably above Elev'n 1135	
B-4791-12	Cemetery	
	appears to be above Elev'n 1125.	

Canadian International Paper Co.
 Summary of timber estimate
 Dozois Lake Flowage on C.I.P. limits
 In cubic feet - 5" & up for all species

(Estimates to contour 1135)

Total volume in cubic feet									
Unit	Area	Spruce	Balsam	Jackpine	Birch	Poplar	Cedar	White Pine	Grand total.
19	4,778	1,620,870	217,486	1,566,948	955,145	644,414	28,100	8,604	5,041,567
193	258	37,128	4,144	1,456	3,248	280	1,624	476	48,356
194	41	-	-	-	-	-	-	-	-
198	713	134,299	18,066	18,104	15,683	2,090	5,369	1,649	195,260
199	979	212,918	19,556	126,922	31,964	11,962	6,212	2,290	411,824
200	43	-	-	-	-	-	-	-	-
201	800	276,978	42,117	10,568	61,564	2,625	16,528	5,879	416,459
202	2,262	1,176,106	165,672	635,867	375,267	120,285	54,407	21,655	2,549,259
203	1,395	942,453	311,137	92,647	748,225	89,890	111,510	48,568	2,344,430
203-A	312	191,542	100,163	6,864	283,075	10,619	51,128	24,172	667,183
204	3,552	1,989,058	380,779	78,842	771,999	29,497	145,446	57,906	3,453,527
204-A	1,887	1,359,182	277,404	162,493	535,265	88,904	101,242	39,114	2,563,604
totals	17,020	7,940,534	1,536,524	2,700,731	3,781,435	1,000,966	521,566	210,313	17,692,069

Canadian International Paper Company
Timber Estimate of Flowage areas of some berths affected by
Dozois Lake Dam.

Kipawa Division

(Estimates to contour 1135)

Limit	Area Acres	Total volume in cubic feet						White Pine	Grand Total
		Spruce	Balsam	Jackpine	Birch	Poplar	Cedar		
263	2,187	771,723	336,374	154,779	1,423,148	560,843	137,288	54,883	3,339,680
264	4,071	3,498,681	992,844	126,586	2,227,818	53,610	477,121	203,398	7,580,058
265	616	450,789	98,856	43,577	273,215	88,483	45,814	17,432	1,018,166
266	1,811	506,317	226,682	276,549	1,232,964	695,639	110,376	40,961	3,089,488
278	2,450	1,745,395	543,416	83,014	1,252,302	46,520	248,863	107,601	4,027,111
279	2,056	1,123,789	458,214	274,620	1,244,719	167,075	182,204	82,530	3,533,151
476	3,618	1,215,856	582,422	91,151	1,555,032	65,134	275,240	125,617	3,910,452
477	1,418	295,323	165,148	268,565	482,057	111,955	22,100	13,443	1,358,591
523	420	248,496	85,614	8,766	209,193	4,560	42,666	18,723	618,018
605	4,287	2,397,145	521,366	433,635	1,107,492	103,054	221,101	91,257	4,875,050
606	6,330	2,227,178	230,594	1,838,319	913,020	642,972	51,906	15,838	5,919,827
607	931	470,692	58,360	18,360	60,040	3,820	23,788	7,598	642,658
632	1,024	301,677	136,300	68,225	646,199	325,179	67,660	25,790	1,571,030
otals	31,219	15,253,063	4,436,190	3,686,146	12,528,199	2,868,484	1,906,127	805,071	41,483,280

Note:-No actual cruise was made of these berths. Areas of timber types were established from serial protographs and the stands per acre of the C.I.P. Co. flowage area cruise were applied for the various types and species -

Forestry Department
Noranda, July, 1947.

Détenteurs des limites devant être partiellement inondées
par suite du barrage Dozois

Canadian International Paper Co.	Blocs:-	399, 593, 594, 598, 599, 600, 601, 602, 603, 603-A, 604 et 604-A
G-C. & C-S. Dent	"	263, 265, 266, 605, 632.
Fraser, Bryson, Coulange & Fraser	"	278, 279.
Barnet A & Co.Ltd	"	476, 477
Fraser & Up. per O & Fraser	"	523
Couronne (Vacant)	"	606, & 607

Lac Dozois,
le 1er août 1947

L.P.Grégoire

K-3

H Y D R O - Q U É B E C

INTERDEPARTMENTAL

MONTREAL, Que.,
August 11th 1947.

File GE 6-1-4

Mr. Raymond Latreille,
Commissioner,
8th Floor.

Dear Mr. Latreille:-

RE: Lac Dozois Flooded Area Survey

Further to our discussions, re high water effect on the Mont-Laurier-Senneterre Highway in the neighbourhood of the Ottawa River Bridge, I find the following portions of the road may be submerged.

Q.S.C. Drawing B-4791 Sheet 34, 1500 ft of highway south of Chochocquane River. Minimum Elevation 1114.8

400 Ft north of Ottawa River Bridge- Minimum Elevation, 1118.8.

The deck of the Bridge over the Chochocquane River is at 1121.6 and it is feared that if this bridge remains in place next spring, it will probably be washed out.

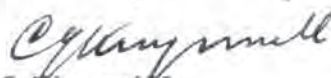
Various remedies are suggested, such as jacking existing bridge or installing temporary spans.

I will investigate this further on my next trip there.

The deck at the Ottawa River Bridge is at 1123.2 and the bottom of the bottom chords is at 1118.5. These are trough truss spans. We may be justified in taking a chance on this latter bridge.

It is anticipated that any other low spots on the highway will be raised to the new elevation by next spring.

Yours very truly,


C.G. Kingsmill,
Assistant Chief Engineer,
Generating Plants & Hydraulic Division

CGK/CM

August 21st, 1947.

Mr. D. V. Robertson,
President and Managing Director,
Angus Robertson Limited,
660 St. Catherine St. West,
Montreal.

Dear Mr. Robertson:

My attention has been drawn to the fact that the work on the Earth Dam, known as Dyke No. 1, at Lake Dozois has fallen far behind a schedule made up during the latter part of July: that is, after the high water troubles were over and Dyke foundation problems were mainly solved.

The above creates a very serious situation in that there is grave danger that this Dyke, and the Earth Dam adjoining the main Dam, may not be completed this year.

Failure to complete these works this year would bring about the following undesirable features:

1. Either dam not built above the level of the 1948 spring high water would undoubtedly be washed out, with the loss of all work performed;
2. It would very greatly add to the cost of the project by having to reorganize next year for the completion of the work, after the spring high water;
3. It would be impossible to impound any part of the spring run-off as previously planned.

Progress on the placing of clay in the No. 1 Dyke has been reported to me briefly as follows:

A start was made July 29th, but due to wet weather and wet foundation little progress was made until August 4th. Between August 4th and August 17th, the weather has been very fair but only 9,300 cu.yds were placed. The main cause of failure to exceed this rate appears to have been shortage and breakdown of tractors used to spread and roll the clay. Inasmuch

Mr. D. V. Robertson

-2-


as this work had been planned months ahead, we are surprised that such a situation could develop.

Our engineers estimate that approximately 100,000 cu.yds., loose measure, of clay fill remains to be placed in the two dykes. It is unlikely that the placing of rolled fill clay would be practicable or economical after about the 20th of October, which leaves 60 days in which to place this quantity. Between now and the 20th of October it can hardly be expected that the weather would permit this work to be carried on more than two-thirds of the time. It would therefore seem that the 100,000 cu.yds. would have to be placed in 40 days, or at an average rate of 2,500 cu.yds. per day of fine weather.

In view of the foregoing, please take necessary steps to secure and maintain ample efficient equipment to handle the quantities required to complete the works within the time limit of the contract.

Yours very truly,


L. E. Potvin
President.

*Submitted to Mr. Robertson
of Aug 21st 1947*




DÉPARTEMENT DES RESSOURCES HYDRAULIQUES
PROVINCE DE QUÉBEC
CABINET DU SOUS-MINISTRE

Québec, le 2 septembre 1947.

Monsieur L.-E. Potvin, Président,
Commission Hydroélectrique de Québec,
107 rue Craig Ouest,
MONTREAL.

Re: Réservoir Lac Dozois, ligne de
transmission Cadillac-Noranda-Nor-
metal et extension centrale Rapide
VII.

Cher monsieur Potvin,

J'accuse réception de votre lettre du 27 août dernier, dans laquelle vous nous demandez d'inviter l'honorable Trésorier de la Province à vous faire parvenir une somme additionnelle de un million (\$1,000,000.00) pour couvrir une autre tranche des dépenses faites et à venir relatives à l'exécution de ces deux projets.

Annexé à votre lettre j'ai trouvé un mémoire de votre contrôleur, pour justifier cette demande.

Je communique immédiatement avec l'honorable Trésorier de la Province, à ce sujet.

Votre tout dévoué,

A. Dussault
Sous-ministre.

AD/IL.

A. W. QUAYLE & COMPANY

CHARTERED ACCOUNTANTS

A. W. QUAYLE, C. A.
J. B. KEARNEY, C. A.

63 SPARKS STREET
OTTAWA

September 23, 1947.

Mr. Raymond Latreille,
Commissioner and Secretary,
Quebec Hydro Commission,
107 Craig St. West,
Montreal, Que.

Dear Sir:

Re: Lake Dozois Region

We have received an account from the Department of Lands & Forests for stumpage dues in the amount of \$65.73. We understand this is for some red and white pine cut by Angus Robertson Limited, of Val D'or, for the construction of a block dam at Young Lake, on Timber Berth No. 523. This dam was apparently constructed to prevent flood waters from Lake Dozois backing down into Coulonge waters.

We would appreciate your courtesy in advising as to whom we should look to for compensation for the timber cut, and what price is usually paid under similar circumstances.

Yours very truly,

J. B. FRASER LIMITED


Sec.-Treas.

AWQ/MP

September 26th, 1947.

A. W. Quayle & Company,
63, Sparks St.,
Ottawa.

Dear Sirs:

Re: Lake Doxois Region

In reply to yours of September 23rd, may I
advise as follows:

- a) Account rendered by the Department of Lands
and Forests, as stumpage dues, for wood cut,
by our agent Angus Robertson Limited, on
Timber Berth No. 523 should be transferred
to us as it is our responsibility to settle
the matter with said Department.
- b) No compensation, in our opinion, is payable
to your firm for timber taken from your
leasehold, on behalf of the crown, for purposes
of public utility.

Any additional information required will be
forwarded upon request.

Yours very truly,



Raymond Latreille
Commissioner

RL/tr

Le 2 décembre 1947.

SANS PREJUDICE

Monsieur John Murdock,
267, rue St-Paul,
Qué.

Cher monsieur,

D'après le rapport de nos ingénieurs, il appert qu'advenant un ruissellement record, dans le bassin supérieur de l'Outaouais, égal à celui de l'an dernier, les eaux du lac Dozois atteindront l'élévation 1123 au printemps de 1948, alors qu'en 1947 elles ne s'élevèrent qu'aux environs de 1117.

En conséquence, nous vous invitons, par la présente, à conduire vos travaux et opérations de manière à tenir compte de cette possibilité.

Votre tout dévoué,

Raymond Latreille
Commissaire.

RL:VB

Cette lettre envoyée à:
Simard et Frères Cie Ltée,
Société d'Entreprises générales Ltée,
M. L.-O. Trottier,
MM. C.-S. et G.-O. Dent,
Canadian International Paper Company,
Barnett & Company,
J. & W. Duncan Limited,
Fraser et Cie.

December 2nd, 1947.

WITHOUT PREJUDICE

The Canadian International Paper Company,
Sun Life Building,
Montreal.

Attention : Mr. Vernon E. Johnson,
Manager - Woodlands

Dear Sirs:

From a report of our engineers, it would appear that should we have a record flow next spring, in the upper bassin of the Ottawa River, similar to that experienced last year, the waters of Lake Dozois would reach elevation 1123 in the spring of 1948, whereas in 1947 they only rose to approximately elevation 1117.

Therefore, please take this possibility into consideration in carrying out your works and operations.

Yours very truly,

Raymond Latreille
Commissioner.

RL:VB

This letter sent to:
Messrs. C. S. and G. C. Dent,
Barnett & Company,
J. & W. Duncan Limited,
Fraser and Company,
Société d'Entreprises générales Ltée,
Mr. John Murdock,
Mr. L. O. Trottier,
Simard et Frères Cie Ltée.

MEMORANDUM RE CASH REQUIREMENTS, LAC DOZOIS CONSTRUCTION

Purpose.

It is required to estimate the cash requirements for Lac Dozois Dam Construction, as required by the general contractors, Angus Robertson Company, until March 31st. 1947.

Estimate.

The following was a preliminary estimate of Lac Dozois construction.

Fixed amount	-	\$ 932,875.00
Variable amount-		<u>507,125.00</u>
Total		<u>\$ 1,440,000.00</u>

The variable amount is made up of five items at unit prices as follows:

Earth excavation (including stripping)	\$ 1.00	c.y.
Rock excavation	6.00	"
Concrete	16.50	"
Rolled fill	.73	"
Rock toefill and rip-rap	2.50	"

It is assumed that the tentative construction schedule can be met and that labour and material will be scheduled to make up the variable part, for example, rock excavation, concrete, etc.

In connection with the fixed cost it is assumed that it will be spent at the rate of \$100,000.00 for the first six months, after which the rate of fixed cost will drop off during the summer.

The following is a preliminary estimate of cash requirements.

<u>December 1946</u>	Fixed charges, including plant rental, camp operation, materials, lumber, etc.	\$ 100,000.0
	Camps	50,000.0
	Cofferdam, 1000 cu. yds. at \$10.00	<u>10,000.0</u>
		\$ <u>160,000.0</u>
 <u>January 1947</u>	Fixed charges	100,000.0
	Cofferdam, 1000 cu. yds. at \$10.00	10,000.0
	Rock Excavation, 2000 cu.yds. at \$6.00	<u>12,000.0</u>
		\$ <u>122,000.0</u>

<u>February 1947</u>	Fixed charges	-	\$ 100,000.00
	Rock excavation, 2000 cu. yds.		
	at \$6.00		12,000.00
	Concrete, 7000 cu.yds. at \$16.50		<u>115,500.00</u>
			\$ <u>227,500.00</u>
<u>March 1947</u>	Fixed charges	-	\$ 100,000.00
	Rock excavation, 1000 cu. yds.		
	at \$6.00		6,000.00
	Earth excavation, 10,000 cu. yds.		
	at \$1.00		<u>10,000.00</u>
			\$ <u>116,000.00</u>

CHARLES MILLER/T.
Dec.10/47.