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PLEASE REPLY TO EDMONTON OFFICE

April 4, 2021

SENT BY EMAIL

Natural Resources Conservation Board
19th Floor, 250 5th Street SW
Calgary AB T2P 0R4

Attention: Laura Friend, Manager, Board Reviews

Dear Ms. Friend:

**Re: Alberta Transportation - Springbank Off-stream Reservoir Project
(SR1) - NRCB Application No. 1701**

Further to the above captioned matter, Alberta Transportation has now had an opportunity to review Volumes 6-9 of the Transcripts [Exhibits #379, 385, 395 and 406]. Please find enclosed a list of corrections to those transcripts noted by Alberta Transportation.

Thank you.

Yours truly,

RONALD M. KRUHLAK

MOC/rs
Enclosure

cc William Kennedy, General Counsel, Natural Resources Conservation Board
Gavin. S. Fitch, Q.C., McLennan Ross LLP
Michael Barbero, McLennan Ross LLP
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TRANSCRIPT CORRECTIONS OF ALBERTA TRANSPORTATION

VOLUME 6, MARCH 29, 2021 (EXHIBIT #379)

		Global change – Mr. David Luzi should be Dr. David Luzi.
1.	Reference	Volume 6, March 29, 2021 pg. 1436 / ln. 2
	Transcript	“...ad quantity that may...”
	Correction	“... ad and quantity that may...”
2.	Reference	Volume 6, March 29, 2021 pg. 1437 / ln. 18
	Transcript	“...to inform monitoring on offsetting...”
	Correction	“...to inform monitoring- on and offsetting...”
3.	Reference	Volume 6, March 29, 2021 pg. 1438 / ln. 11 to 12
	Transcript	“...Additionally, project's fish package design features mimic...”
	Correction	“...Additionally, the project's fish- package passage design features mimic...”
4.	Reference	Volume 6, March 29, 2021 pg. 1439 / ln. 6
	Transcript	“...to be not sufficient...”
	Correction	“...to be not- sufficient significant ...”

5.	Reference	Volume 6, March 29, 2021 pg. 1440 / ln. 16
	Transcript	"...have each consider the project's associated..."
	Correction	"...have each considered the project's associated..."
6.	Reference	Volume 6, March 29, 2021 pg. 1441 / ln. 3
	Transcript	"...continued through through adaptive management..."
	Correction	"...continued through through improvement adaptive management..."
7.	Reference	Volume 6, March 29, 2021 pg. 1461 / ln. 10
	Transcript	"...for transient and does not..."
	Correction	"...for transient trends and does not..."
8.	Reference	Volume 6, March 29, 2021 pg. 1470 / ln. 8
	Transcript	... may not be a refresh source of...
	Correction	... may not be a refresh source of...
9.	Reference	Volume 6, March 29, 2021 pg. 1473 / ln. 24
	Transcript	"...if the refracture's in locations..."

	Correction	“...if the re fracture’s in locations...”
10.	Reference	Volume 6, March 29, 2021 pg. 1477 / ln. 18
	Transcript	“...looked at RCP 5 and checked...”
	Correction	“...looked at RCP 8.5 and checked...”
11.	Reference	Volume 6, March 29, 2021 pg. 1494 / ln. 7
	Transcript	“...our CPA.5, we did a very...”
	Correction	“...our CPA 8.5 , we did a very...”
12.	Reference	Volume 6, March 29, 2021 pg. 1536 / ln. 25
	Transcript	“... you can see connectivity...”
	Correction	“... you can see connectivity conductivity ...”
13.	Reference	Volume 6, March 29, 2021 pg. 1553 / ln. 8
	Transcript	“...here is a plain representation...”
	Correction	“...here is a plain planar representation...”
14.	Reference	Volume 6, March 29, 2021 pg. 1563 / ln. 24

	Transcript	“...we assess successive calibration.”
	Correction	“...we assess successive successful calibration.”
15.	Reference	Volume 6, March 29, 2021 pg. 1565 / ln. 5
	Transcript	“...the resids [verbatim] on...”
	Correction	“...the resids residuals [verbatim] on...”
16.	Reference	Volume 6, March 29, 2021 pg. 1569 / ln. 7
	Transcript	“...this is what we hit was...”
	Correction	“...this is what we hit did was...”
17.	Reference	Volume 6, March 29, 2021 pg. 1578 / ln. 1 to 3
	Transcript	“...and fine element analysis methodologies of undertaking the strength of the soil under the embankment due to the loading that’s based...”
	Correction	“...and fine finite element analysis methodologies of undertaking the strength of the soil under the embankment due to the loading that’s based placed ...”
18.	Reference	Volume 6, March 29, 2021 pg. 1579 / ln. 18
	Transcript	“...conditions both failing during a flood...”
	Correction	“...conditions both failing filling during a flood...”

19.	Reference	Volume 6, March 29, 2021 pg. 1579 / ln. 24
	Transcript	"...it has speak and begin..."
	Correction	"...it has speak and begin..."
20.	Reference	Volume 6, March 29, 2021 pg. 1582 / ln. 4
	Transcript	"...strength of the glacial clay too."
	Correction	"...strength of the glacial clay too till ."
21.	Reference	Volume 6, March 29, 2021 pg. 1583 / ln. 19
	Transcript	"the shelves, the brown are the rock..."
	Correction	"the shelves shells , the brown are the rock..."
22.	Reference	Volume 6, March 29, 2021 pg. 1583 / ln. 25
	Transcript	"...crest in the blue, sends down through..."
	Correction	"...crest in the blue, sends extends down through..."
23.	Reference	Volume 6, March 29, 2021 pg. 1586 / ln. 1
	Transcript	"...the embankment data in..."

	Correction	“...the embankment data in dam and... ”
24.	Reference	Volume 6, March 29, 2021 pg. 1586 / ln. 12
	Transcript	“...going to be laced with...”
	Correction	“...going to be laced lowest with...”
25.	Reference	Volume 6, March 29, 2021 pg. 1588 / ln. 6
	Transcript	“...I’m not into construction...”
	Correction	“...I’m not into end of construction...”
26.	Reference	Volume 6, March 29, 2021 pg. 1590 / ln. 4
	Transcript	“...feet transport modelling...”
	Correction	“... feet fate transport modelling...”
27.	Reference	Volume 6, March 29, 2021 pg. 1590 / ln. 19
	Transcript	“...entire wooded area of...”
	Correction	“...entire wooded wetted area of...”
28.	Reference	Volume 6, March 29, 2021 pg. 1590 / ln. 21

	Transcript	“...those that be carried in the...”
	Correction	“...those that be we carried in the...”
29.	Reference	Volume 6, March 29, 2021 pg. 1596 / ln. 8
	Transcript	“...detailed feet transport...”
	Correction	“...detailed feet fate transport...”
30.	Reference	Volume 6, March 29, 2021 pg. 1596 / ln. 13
	Transcript	“...dispersion, absorption, those types...”
	Correction	“...dispersion, absorption sorption , those types...”
31.	Reference	Volume 6, March 29, 2021 pg. 1596 / ln. 17
	Transcript	“...move effectively with groundwater...”
	Correction	“...move effectively advectively with groundwater...”
32.	Reference	Volume 6, March 29, 2021 pg. 1606 / ln. 6
	Transcript	“...system re-equiborates (phonetic) to its...”
	Correction	“...system re-equiborates re-equilibrates (phonetic) to its...”
33.	Reference	Volume 6, March 29, 2021

		pg. 1612 / ln. 5
	Transcript	“...of the stresses for her wells...”
	Correction	“...of the stresses stressors for her wells...”
34.	Reference	Volume 6, March 29, 2021 pg. 1613 / ln. 25
	Transcript	“...distribution of wells across ERA...”
	Correction	“...distribution of wells across ERA RAA ...”

VOLUME 7, MARCH 30, 2021 (EXHIBIT #385)		
1.		Global change – Mr. David Luzi should be Dr. David Luzi
2.	Reference	Volume 7, March 30, 2021 pg. 1644 / ln. 17
	Transcript	“...our A-A and honours...”
	Correction	“... our A-A RAA and honours...”
3.	Reference	Volume 7, March 30, 2021 pg. 1644 / ln. 24
	Transcript	“...is also overlain by tilled...”
	Correction	“...is also overlain by tilled d ...”
4.	Reference	Volume 7, March 30, 2021 pg. 1644 / ln. 25
	Transcript	“...does not extent all the way...”
	Correction	“...does not- extent extend all the way...”
5.	Reference	Volume 7, March 30, 2021 pg. 1650 / ln. 6
	Transcript	“...conditions and the formation itself.”
	Correction	“...conditions- and in in the formation itself.”

6.	Reference	Volume 7, March 30, 2021 pg. 1651 / ln. 3
	Transcript	“...meanings, and if the recovery...”
	Correction	“... meanings means , and if the recovery...”
7.	Reference	Volume 7, March 30, 2021 pg. 1658 / ln. 19
	Transcript	“...water quality are increased qualities of TSS...”
	Correction	“...water quality are increased- qualities quantities of TSS...”
8.	Reference	Volume 7, March 30, 2021 pg. 1664 / ln. 23
	Transcript	“...flood mitigation at a particular location...”
	Correction	“... flood mitigation fluctuation at a particular location...”
9.	Reference	Volume 7, March 30, 2021 pg. 1666 / ln. 21
	Transcript	“...over time with their -- without the project...”
	Correction	“...over time with their -- without or without the project...”
10.	Reference	Volume 7, March 30, 2021 pg. 1667 / ln. 3
	Transcript	“...bedrock vary very little...”
	Correction	“...bedrock vary very very little...”

11.	Reference	Volume 7, March 30, 2021 pg. 1675 / ln. 8
	Transcript	“...conducted the fate to transport modelling ...”
	Correction	“...conducted the fate to and transport modelling ...”
12.	Reference	Volume 7, March 30, 2021 pg. 1675 / ln. 19
	Transcript	“These could be again processes like absorption...”
	Correction	“These could be again processes like absorption adsorption ...”
13.	Reference	Volume 7, March 30, 2021 pg. 1675 / ln. 23
	Transcript	“So by assuming, in the absence of detailed feet...”
	Correction	“So by assuming, in the absence of detailed feet fate ...”
14.	Reference	Volume 7, March 30, 2021 pg. 1679 / ln. 5
	Transcript	“...the Sauchyn and Ilich paper...”
	Correction	“...the Sauchyn and Ilich (2017) paper...”
15.	Reference	Volume 7, March 30, 2021 pg. 1679 / ln. 6
	Transcript	“...numbers in the Axelson paper...”

	Correction	“...numbers in the Axelson et al. (2009) paper...”
16.	Reference	Volume 7, March 30, 2021 pg. 1706 / ln. 25
	Transcript	“...with Fisheries and Ocean Canada on this...”
	Correction	“...with Fisheries and Oceans Canada on this...”
17.	Reference	Volume 7, March 30, 2021 pg. 1707 / ln. 20
	Transcript	“...benefits of SRQ is that...”
	Correction	“...benefits of SRQ SR1 is that...”
18.	Reference	Volume 7, March 30, 2021 pg. 1726 / ln. 10
	Transcript	“...weighting boots or your fishing equipment...”
	Correction	“... weighting wading boots or your fishing equipment...”
19.	Reference	Volume 7, March 30, 2021 pg. 1726 / ln. 10
	Transcript	“...we looked at RCP 5 and checked our...”
	Correction	“...we looked at RCP 8.5 and checked our...”

VOLUME 8, MARCH 31, 2021 (EXHIBIT #395)		
1.	Reference	Volume 8, March 31, 2021 pg. 2100 / ln. 9
	Transcript	“...their disposal prepared to share...”
	Correction	“...their disposal and prepared to share...”
2.	Reference	Volume 8, March 31, 2021 pg. 2109 / ln. 3
	Transcript	“Mr. Chairman, I will redirect one...”
	Correction	“Mr. Chairman, I will redirect to one...”
3.	Reference	Volume 8, March 31, 2021 pg. 2116 / ln. 12
	Transcript	“...them we do ascribe would...”
	Correction	“...them we do ascribe describe would...”
4.	Reference	Volume 8, March 31, 2021 pg. 2117 / ln. 22
	Transcript	“...we also learned of the new sediment...”
	Correction	“...we also learned of that the new sediment...”

5.	Reference	Volume 8, March 31, 2021 pg. 2125 / ln. 6
	Transcript	“...assumes all grasses and phorbs are lost.”
	Correction	“...assumes all grasses and phorbs forbs are lost.”
6.	Reference	Volume 8, March 31, 2021 pg. 2125 / ln. 11
	Transcript	“...that grasses and phorbs are lost.”
	Correction	“...that grasses and phorbs forbs are lost.”
7.	Reference	Volume 8, March 31, 2021 pg. 2125 / ln. 11
	Transcript	“I can provide the preference to...”
	Correction	“I can provide the p reference to...”
8.	Reference	Volume 8, March 31, 2021 pg. 2166 / ln. 6
	Transcript	“...and they would be -- a process – they...”
	Correction	“...and they there would be -- a process – they there ...”
9.	Reference	Volume 8, March 31, 2021 pg. 2122 / ln. 4
	Transcript	“...for various flood taxonomic practice.”
	Correction	“...for various flood soil taxonomic practice.”



VOLUME 9, April 1, 2021 (EXHIBIT #406)		
1.	Reference	Volume 9, April 1, 2021 pg. 2198 / ln 20 and 24
	Transcript	“...percentile from that same” “...page 1488 of the...”
	Correction	“...percentile and from that same” “...page 1488 of the transcript... ”
2.	Reference	Volume 9, April 1, 2021 pg. 2202 / ln. 14
	Transcript	“...they call snow core surveys...”
	Correction	“...they call snow core course surveys...”
3.	Reference	Volume 9, April 1, 2021 pg. 2208 / ln. 25
	Transcript	“at – we have...”
	Correction	“at – we of have...”
4.	Reference	Volume 9, April 1, 2021 pg. 2218 / ln. 19
	Transcript	“don’t think that to be correct (verbatim).”
	Correction	“ don’t think that to be correct (verbatim).” [Note: Matt H is then asked “You don’t think that’s correct?” and he responds: “No...I’m saying, subject to check, ill take that to be

		correct” – so this is a proper correction.]
5.	Reference	Volume 9, April 1, 2021 pg. 2234 / ln. 25
	Transcript	“...no intent to wait – to delay specific”
	Correction	“...no intent to wait – to delay until a specific”
6.	Reference	Volume 9, April 1, 2021 pg. 2239 / ln 5
	Transcript	“release scenario...”
	Correction	“release scenarios”
7.	Reference	Volume 9, April 1, 2021 pg. 2244 / ln. 16
	Transcript	“But as – as Ms. Okoye mentioned...”
	Correction	“But as – as Ms. Okoye Aucoin mentioned...”
8.	Reference	Volume 9, April 1, 2021 pg. 2257 / ln. 11
	Transcript	“...the braided extensive”
	Correction	“...the braided extensive expansive ”