

From: Matthew Hebert
To: [REDACTED]
Cc: "Jennifer (CEAA/ACEE)"; Laura Friend; "Speller, Wayne"; Mark Svenson
Subject: RE: Request to meet MICRO WATERSHED IMPOUNDING CONCEPT
Date: November 8, 2019 8:38:09 AM
Attachments: [image002.png](#)

Mr. Hansen,

Thank you for your email of October 23, 2019. I have reviewed that email, and re-read your previous email of October 4, and offer the following response.

I recognize your strong interest and commitment to the Micro Watershed Impounding Concept (the Concept) and I acknowledge that you have been advocating for the Concept since July 2013, at a meeting of the Flood Mitigation Advisory Panel struck by the Government of Alberta after the June 2013 flood, and on several occasions since. On that basis, you disagree with Alberta Transportation's statement in one of our IR responses that details on the Concept "have not been provided" to AT. Please be assured AT was not purporting to say we had never heard of the Concept and had not received information about it from you. The point we were trying to make was that we had not received a detailed explanation or description of the Concept.

This is why, when we received the Information Request from CEAA asking us to re-evaluate the Concept as an alternative means to carrying out the SR 1 project, I reached out to you for a meeting. From our perspective, the purpose of the meeting is to allow you to provide us with more details about your Concept to allow AT to re-evaluate it as an alternative means of carrying out SR 1. This will allow us to respond to the IR from CEAA.

I am concerned from your last email that we may not be in agreement as to the purpose of the meeting. For example, it appears you are concerned based on my position as Executive Director of the SR 1 Project Management Office, and the ability of Stantec, as AT's lead consultant, to be independent in our assessment of your Concept. As a result, you appear to suggest that the meeting take the form of facilitated Alternative Dispute Resolution (ADR). You also suggest that legal counsel attend this meeting.

I want to ensure that there is no misunderstanding about the purpose of the meeting. Our mandate is to advance the regulatory approval for SR1. SR 1 is undergoing regulatory review, which involves an environmental assessment under the *Canadian Environmental Assessment Act, 2012*. That Act requires an assessment of alternative means; hence the request from CEAA to Transportation to obtain a better understanding of your project. However, SR 1 is the project AT is proposing. Ultimately, the decision of whether SR1 is allowed to proceed rests with CEAA and the provincial Natural Resources Conservation Board.

Therefore, I reiterate that I would be happy to meet with you to receive from you more details about your Concept. We do not agree there is any need to have the meeting facilitated by an ADR professional, nor do we believe there is any need to have legal counsel present. As I indicated previously, I will be joined by Wayne Speller of Golder Associates in his role as the project's regulatory lead. I am also proposing that Jim Howell of Stantec join the meeting as I understand you had prior contact with him about your concept. If you feel you need to bring your own consultants, that of course is your prerogative.

I look forward to hearing from you as soon as possible, as AT would like to move forward on this item.

Matthew Hebert
Executive Director, Transportation Policy
Safety and Policy Division
Alberta Transportation

From: [REDACTED]
Sent: Wednesday, October 23, 2019 2:33 PM
To: Matthew Hebert <matthew.hebert@gov.ab.ca>
Cc: "Jennifer (CEAA/ACEE)" <jennifer.howe@canada.ca>; Laura Friend <Laura.Friend@gov.ab.ca>; "Speller, Wayne" <Wayne_Speller@golder.com>; Mark Svenson <mark.svenson@gov.ab.ca>
Subject: RE: Request to meet MICRO WATERSHED IMPOUNDING CONCEPT

Matthew Hebert
Executive Director, Transportation Policy
Safety and Policy Division
Alberta Transportation

Mr. Hebert;;

During my phone call on Friday October 18, 2019, you defined your mandated AT role as the Executive Director, Springbank Reservoir Project Management Office. Your described background in "Issues and Transportation Policy" was to guide the CEAA Application #80123 through to regulatory completion for approval. It would initiate the next stage of STANTEC engineering documentation followed by construction.

You stated that STANTEC Staff would be attending the presentation because they are the engaged Consultant authors of the Application Process. My Alternative IDC is alternative to their 14 October 2013/(April 3, 2015 Stantec Memo to Syed Abbas – Reference: Springbank Off-Stream Reservoir (SR1)-Conceptual Design Update), decision to select SR1 as their only viable solution to 2013 flood mitigation along with a Glenmore Reservoir Dam increased freeboard.

As authors of the Application the propriety of independent judgmental assessment is not present. Their IR Response denied any knowledge of my Master Planning of the Concept which started July 13, 2013 communication with the Markin-DiManno-Lindseth Panel introduction & Emails, Memos with Stantec Civil Engineering Vice President continuing with Premier Jim Prentice to July 2, 2015 and the Public Engagement Process conducted by Stantec/Communica documentation of September 2017.

The Alberta Government Environmental Assessment Process for Environment Parks and Public Lands. Environmental law suggests that an Alternative Concept Resolution is defined. The *Alternative Dispute Resolutions Institute of Alberta* exists to accommodate such intervention

I accepted your sponsored invitation to address an Alternate IDC which deserves an Independent Alternative Concept Resolution. The Attached ADRIA with Dr. Nick Twyoniuk Ph.D Civil Engineering, P.Eng and Dr Andrew Kennedy Ph.D Environmental Science, P.Biol P.Ag are recommended to be engaged by Alberta Transportation to conduct an Appellant Conceptual Evaluation with their recommendations to the Minister.

My previously stated proposal is to obtain an engagement to receive funding to perform a Pre-Feasibility Scoping of Critical Path Work Plan to be performed by an assembled Consultant Consortium Collaborative which would carry out a Feasibility Analysis of the MICRO Concept IDC.

The ADRIA will take time and likely not be ready for the MICRO Concept presentation to the panel until December or January 2020.

Please continue to invite Wayne Speller-Golder Engineering, Mark SVENSON Provincial Transportation Environmental Coordinator, Rick Blackwood ADM, Strategy Division Environment and Parks and Martin Ignasiak - Partner, Regulatory, Environmental, Aboriginal and Land- Osler, Hoskin & Harcourt LLP.

I may have 4 experienced Consultants and an Environmental Lawyer attending.

I look forward to cooperating with you on this important Issue

Respectfully Submitted;

Charles Hansen - EKISTICAL URBAN ARCHITECT PLANNER
BARCH – 2 MAJOR THESES URBAN DESIGN INFRASTRUCTURAL PLANNING

HANSEN REGIONAL ENVIRONMENTAL DEVELOPABILITY PLANNING
STRATEGIC EKISTICAL CONCEPT EVALUATION-----DYNAMIXION DEVELOPABILITYURBAN DESIGN

Calgary, Alberta, Canada---[REDACTED]

From: Matthew Hebert [mailto:matthew.hebert@gov.ab.ca]
Sent: October-14-19 11:14 PM
To: [REDACTED]
Cc: 'Speller, Wayne'; 'Brescia, Dave'
Subject: RE: Request to meet

Mr. Hansen,

Thank you for this background. Please advise if you be available for a phone call this week to arrange a meeting date to discuss your proposal further.

Matthew Hebert
Executive Director, Transportation Policy
Safety and Policy Division
Alberta Transportation

From: [REDACTED]
Sent: Friday, October 04, 2019 3:02 PM
To: Matthew Hebert <matthew.hebert@gov.ab.ca>
Cc: 'Speller, Wayne' <Wayne.Speller@golder.com>; 'Brescia, Dave' <David.Brescia@stantec.com>; 'Howe, Jennifer (CEAA/ACEE)' <jennifer.howe@canada.ca>; Laura Friend <Laura.Friend@gov.ab.ca>
Subject: RE: Request to meet

Matthew Hebert
Executive Director, Springbank Reservoir Project Management Office
Safety and Policy Division
Alberta Transportation

Good Day Mr. Hebert;;

My call accepted your invitation to meet to describe my Environmental Regional Master Planning for the MICRO WATERSHED IMPOUNDING CONCEPT.

Your title mandates the *Management of the SR1 Project*. It is not an independent analytical role to evaluate any Alternate Means Option. Your CEAA accommodation reference to "re-evaluate whether the micro-watershed impounding concept is a feasible alternative means of the Project's purpose and to consider potential environmental effects in this evaluation" is not complete. CEAA also referred to your IR reply that the Applicant and its consultants are not aware of "Details on the Micro-Watershed Impounding scheme have not been provided to Alberta Transportation". That reference is false. I will therefore annotate 6) recorded communications that took place since July 23 2013. See ATTACHMENTS.

Your official recognition of the IR response invitation to meet provides an official designation as a well documented "Stakeholder Intervener" within the NRCB Project Application Process, Section 4: Integration of the Environmental Process. I therefore Cc the NRCB and CEAA both of whom have received all of my SR1 Project Application #80123 document Submittals.

This is an introduction to my Regional Elbow River Watershed Environmental Design Planning experience which precedes my presentation meeting. I wish to spare this introduction from your offering of a 1 hour presentation. I will present information to satisfy your 4 bulleted subjects. They are logical and deserving hypotheses. I will add additional critical bulleted items that you are missing.

The 1 hour time does not equate to the 6 years of \$5MM public funding 20 "Summary of Relevant Reports". Only one 2013 Report had determined to delimit mitigations options. It was performed by Stantec by October 23 2013, where I first met Russ Mackenzie who E:mailed a "FLOOD FREE CALGARY Master Planning - INVITATION Contribution". The Mackenzie ATTACHMENT states that the Provincial Flood Mitigation Advisory Panel was under the Advisory Contract with STANTEC Consulting Civil Engineering V.P. Russ Mackenzie P.Eng. He wrote that he decided that the only solution to be considered was a "Big Solution" to a "Big Problem", e.g. a civil engineering large construction project (to be contracted by STANTEC Consulting.

The following are my Evidence of contact with Stantec and Alberta Transportation from July 23 2013..

- 1) It has been an evolving Concept as I researched the Index-of-Possibilities since I first met with the Provincial appointed Flood Mitigation Advisory Panel Alan Markin P.Eng, Richard Lindseth MRAIC and Tino DiManno P.Eng, Vice President Western Canada STANTEC Consulting at the first public meeting at the Glencoe Club July 23 2013 sponsored by Lawyer Emma May and the inauguration of the Calgary River Communities Action Group.
- 2) I've had continuous communication since 2013 with the Panel and the Provincial appointed Advisor to the Panel and Alberta Transportation Russ Mackenzie P.Eng, Vice President Civil Engineering STANTEC Consulting.
- 3) I've had several calls with Mark Svenson Provincial Transportation Environmental Coordinator. Any question of the CEAA Project Applications were referred to STANTEC as the sole author of the Applications Submittals and CEAA EIS conformity.
- 4) I and my consultant geologist were invited by AMEC Executive V.P. Infrastructure, Blair Peacock P.Eng, to meet with his structural Project Manager Monica Wagner P.Eng, to propose to provide our Master Planning Geomorphological Space Usage Feasibility Analysis for their RFP Design Planning application to Alberta Transport. We were told that the decision of STANTEC to examine the Maclean Creek and Springbank Off-stream Reservoir would be the limit of their examination should they be selected.
- 5) Via my E:mail proposal to CRCAG V.P. Emma May and Premier Jim Prentice, he authorized Andrew Wilson Emergency Services Executive of the Executive Council of the Province of Alberta ion Confederation with the Dominion of Canada. He was to evaluate my Micro Watershed Impound Concept. I submitted a five page document to Andrew Wilson Executive Director of the Resilience and Flood Mitigation Branch Directorate of ESRD. He declined to accommodate the Proposal to conduct Pre-Feasibility Scoping of Work and following Feasibility Analyses.
- 6) My submissions to the Springbank Off-stream Reservoir Project EIA Open house RESPONSE #2 were integrated into the original April 18 2016 SPRINGBANK OFF-STREAM RESERVOIR PROJECT CANADA ENVIRONMENTAL ASSESSMENT ACT, 2012 Prepared for: Alberta Transportation Prepared by: Stantec Consulting Ltd. Stantec's Response as the sole author of the Applications Submittals categorized them as completely out of touch :

Issue or Concern	Question	Response
Decision Making Process	What other options has the considered aside from SR1?	The project team provided information, in electronic format, information on the Government of Alberta's responsibility in regard

MEETING OUTLINE: MICRO SYNERGISTIC SUBDIVISION of the [REDACTED] WATERSHED DRAINAGE COURSES FLOOD SURGE VECTOR FORCES (ATTACHED)

- 1) My professional training and experience comes from the MIT Comprehensive Anticipatory Design Science Creative Engineering Laboratory taught in 1956. The course had 8 Strategies authored by Richard Buckminster Fuller in 1950. I was one of his students in 1954, 1955,1956 while researching microcosmic synergistic engineering on 4 of his geodesic engineering models. It is the micro synergistic engineering modern that I have applied to evaluate the Space Use Geomorphology of the entire Elbow River watershed drainage coursing mapping (ATTACHED).
- 2) I am indeed the © author of the MICRO WATERSHED IMPOUNDING CONCEPT as ATTACHED for your orientation to the evolving Conceptual presentation. As

my Concept evolved I joined with the long time Rocky Mountain experienced geological geospatial (author of 15+/- books) civil engineer from England- Tony Daffern, C.E., then retired, now diseased. His 50 years experience of traveling along every Elbow River watershed rendered his evolutionary experience to agree with my Concept by co-authoring his mapping and publishing experience. We jointly authored his graphic presentation of a micro chip example of watershed impounding north and west of Bragg Creek. The Elbow west of Bragg Creek up to the Mt.Rae Range is the sum vessel container of the Creative Design Science Environmental Creative Engineering MICRO WATERSHED IMPOUNDING FLOOD MITIGATION CONCEPT.

- 3) The End Result is I will demonstrate an application of an Engineering Micro Watershed Impounding Concept as an evolving Environmental Structural Truss solution of mitigating 2013 Flood volumes X 2.
- 4) The Concept deserves an engagement with a Pre-Feasibility Analysis in order to scientifically determine to continue with a CPM Feasibility Analysis or abort the Concept.
- 5) I will be describing the of a Pre-Feasibility Scope of Work and the sequence of CPM Nodal Events.
- 6) I will be inviting 4 Dymaxion Resource Consultants whose experiences, as a collaborative professional consortium, could be included in scoping a Pre-Feasibility Analysis.
- 7) Golder Associates Technical advisers to Alberta Transportation could be a perfect joint venture with my © Concept evaluation. They could manage the feasibility analyses at my Planning Direction of Consultant Consortium that I originally provided to Premier Jim Prentice and with a local Geotechnical engineer with experience in earthen/boulder wet and dry dam design. Gilders' engineering technical graphic documentation resource is a needed skill.
- 8) When I secure the joint availability I will be coordinate an acceptable meeting date. From this time I can see no meeting before November.

I am Cc.ing Bill Kennedy LLB Legal Counsel for the NRCB/NRCBA, because the outcome of this engagement with the Provincial SR1 Project Management advocacy may qualify my availability to Intervene on "access to relevant and reliable information from different perspectives when determining if a project is in the public interest".

Respectfully Submitted;

Charles Hansen - EKISTICAL URBAN ARCHITECT PLANNER
BARCH - 2 MAJOR THESES URBAN DESIGN INFRASTRUCTURAL PLANNING

HANSEN REGIONAL ENVIRONMENTAL DEVELOPABILITY PLANNING
STRATEGIC EKISTICAL CONCEPT EVALUATION-----DYMATION DEVELOPABILITY URBAN DESIGN
Calgary, Alberta, Canada-----

From: Matthew Hebert [mailto:matthew.hebert@gov.ab.ca]
Sent: September-30-19 8:41 AM
To: [REDACTED]
Cc: Speiter, Wayne; Brescia, Dave
Subject: Request to meet

Hello Mr. Hansen.

I am writing you in follow-up to your submission to the Impact Assessment Agency (formerly the Canadian Environmental Assessment Agency). Based on your submission, the agency has instructed Alberta Transportation to "re-evaluate whether the micro-watershed impounding concept is a feasible alternative means of the Project's purpose and to consider potential environmental effects in this evaluation". In order to support our evaluation of the micro-watershed impounding concept I am hoping you would be available for a meeting with the department and its technical experts to present the some details on the concept.

For the meeting I am hoping you would be able to present the concept and provide Alberta Transportation with any reports, figures or other materials that will help communicate:

- the premise behind the micro-impoundment concept,
- its general arrangement in the Elbow River watershed,
- the effectiveness of the concept at mitigating different levels of flooding, and
- any ancillary benefits that implementation of the concept will provide.

We were hoping to host a one hour meeting in the afternoon of October 14th at Alberta Transportation's Calgary office at 803 Manning Road NE. Could you please let me know if this date works for you.

Thank you and we look forward to your presentation.

Matthew Hebert
Executive Director, Springbank Reservoir Project Management Office
Safety and Policy Division
Alberta Transportation
P: 780-644-7780
M: 780-554-6358

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