

Ng, Alfred (ASC/CSA)

From: Ng, Alfred (ASC/CSA)
Sent: January-15-19 7:48 AM
To: Yeh, Helen X; Holloway, James (ASC/CSA)
Subject: Re: Consultant for spaceport EA

Helen

Dr. Kaplan has extensive experience in launch campaign. You have to ask him how much he understands the chemistry aspect.

Sent from my BlackBerry 10 smartphone on the Bell network.

From: Yeh, Helen X
Sent: Tuesday, January 15, 2019 7:19 AM
To: Ng, Alfred (ASC/CSA); Holloway, James (ASC/CSA)
Subject: RE: Consultant for spaceport EA

Hi Alfred and James,

Thanks you both for the quick reply and suggestions!

Alfred, Dr. Kaplan appears to be an expert in satellite & launch vehicle design side of things. Would he have expertise in chemical properties/environmental impacts of hydrazine?

Helen

From: Ng, Alfred (ASC/CSA) <alfred.ng@canada.ca>
Sent: Monday, January 14, 2019 11:52 PM
To: Holloway, James (ASC/CSA) <james.holloway@canada.ca>; Yeh, Helen X <Helen.Yeh@novascotia.ca>
Subject: RE: Consultant for spaceport EA

Helen:

You can consider Dr. Marshall Kaplan

<https://www.thespaceshow.com/guest/dr.-marshall-kaplan>

He is a well respected fellow internationally in launch vehicle business. He might still remember me. When Brazil had the launch site accident, he was hired by Brazil government to dig into what happened. I am just not sure whether he has retired.

Alfred

From: Holloway, James (ASC/CSA) <james.holloway@canada.ca>
Sent: January-14-19 4:25 PM
To: Yeh, Helen X <Helen.Yeh@novascotia.ca>; Ng, Alfred (ASC/CSA) <alfred.ng@canada.ca>
Subject: RE: Consultant for spaceport EA

Hello Helen,

Happy New year to you as well!

Thanks for the update on MLS.

I wish I could help you on the hydrazine side but I don't have a contact in that field to offer. My one suggestion is to contact the folks at the FAA for a recommendation(s).

Alfred – anyone on your rolodex?

Take care,

James

From: Yeh, Helen X <Helen.Yeh@novascotia.ca>

Sent: January-14-19 2:59 PM

To: Holloway, James (ASC/CSA) <james.holloway@canada.ca>; Ng, Alfred (ASC/CSA) <alfred.ng@canada.ca>; 'Deanna.Brewster@forces.gc.ca' <Deanna.Brewster@forces.gc.ca>

Subject: Consultant for spaceport EA

Hi James, Alfred, and Deanna,

Happy New Year! Hope you all had a good holiday!

MLS may be looking to submit the focus report to us for further review in February. To prepare for this review, we are currently considering hiring a consultant to help us with the review, especially to help with hydrazine related concerns. Ideally a consultant would be familiar with both the chemical/environmental/OHS properties of hydrazine as well as the space/aeronautical industry historical use and current plans for managing use and/or discontinuance of hydrazine in some situations.

I was wondering if you folks by any chance know any consultant who would be ideal for the job.

Thanks in advance!

Helen

Helen Yeh
Environmental Assessment Officer
Nova Scotia Environment
1903 Barrington Street, Suite 2085, Halifax
Nova Scotia, B3J 2P8
Phone: (902) 717-1073
Fax: (902) 424-6925
e-mail: Helen.Yeh@novascotia.ca

Laurin, Josianne (ASC/CSA)

From: Quinn, Candace M <Candace.Quinn@novascotia.ca>
Sent: April-15-19 1:06 PM
To: McNeill, Alan J; MacLellan, Matthias M; Colomb, Sylvie; Weseloh McKeane, Sean; Cross, Anna; MacMillan, Heather J; Tan, Minh; Petrie, Bob D; Milton, Randy Gordon; MacPhail, Mark C; McPherson, Robyn; Steele, Cynthia; Blackburn, Lori M; Cameron, Heather; Boudreau, Louise O; Lamb, Tom; Smith, Gordon T; Howell, Alan A; Fielding, Gillian; Goldberg, Susan; Passerini, Linda; Rideout, Bill E; Kennedy, Elizabeth C; Check, Gordon G; Sinclair, Andrew; Greenwood, Mark; Higgins, Jeremy W; Williams, Charles S; McKenna, Chuck W; Brufatto, Matthew; Cuthbert, Robert W; Miller, Michelle; Labor, Peter; Morehouse, Neil S; Sangster, Charles W; Currie, Paul D; McPherson, Johnny P; Baxter, Brent K; MacKenzie, Tanya L; Johnson, Kathleen; Jadot, Sarah X; hdoane@nsbi.ca; Gillis, Sean I; Projects / Projets (CEAA/ACEE); Savard, Micheline (CEAA/ACEE); Denning, Allison (HC/SC); Richardson-Prager, Lance (HC/SC); RCF Surveiller / FCR Tracker (EC); Zwicker, Stephen (EC); 'ReferralsMaritimes@dfo-mpo.gc.ca'; Leanda.Delaney; Jason Flanagan; robert.tretrice@tc.gc.ca; deanna.brewster@forces.gc.ca
Cc: Ng, Alfred (ASC/CSA); Holloway, James (ASC/CSA); Anderson, Martin (ASC/CSA); Chan, Kimberly (ASC/CSA); Estelle.Chou@international.gc.ca; Isolda.Guevara@international.gc.ca
Subject: RE: Canso Spaceport Facility Project - Focus Report for Environmental Assessment
Attachments: Regulator roles and responsibilities_2018Jul30.docx

Good afternoon everyone,

I wanted to take the opportunity to recirculate the attached document outlining regulator roles and responsibilities with regards to the proposed Canso Spaceport Facility project. I have been asked about other permits and approvals that would be required for this project in addition to the environmental assessment. These are included in Section C of the attached and may be helpful context for your review of the Focus Report.

Thank you very much and please reach out any time. Look forward to receiving all your comments on this project review.

Kind regards, Candace

From: Quinn, Candace M

Sent: March 13, 2019 10:31 AM

To: McNeill, Alan J <Alan.McNeill@novascotia.ca>; MacLellan, Matthias M <Matthias.MacLellan@novascotia.ca>; Colomb, Sylvie <Sylvie.Colomb@novascotia.ca>; Weseloh McKeane, Sean <Sean.WeselohMcKeane@novascotia.ca>; Cross, Anna <Anna.Cross@novascotia.ca>; MacMillan, Heather J <Heather.MacMillan@novascotia.ca>; Tan, Minh <Minh.Tan@novascotia.ca>; Petrie, Bob D <Bob.Petrie@novascotia.ca>; Milton, Randy Gordon <Gordon.Milton@novascotia.ca>; MacPhail, Mark C <Mark.MacPhail2@novascotia.ca>; Steele, Cynthia <Cynthia.Steele@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Cameron, Heather <Heather.Cameron@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>; Whiteway, Patrick <Patrick.Whiteway@novascotia.ca>; Smith, Gordon T <Gordon.Smith@novascotia.ca>; Rillie, Claire Z <Claire.Rillie@novascotia.ca>; Goldberg, Susan <Susan.Goldberg@novascotia.ca>; Passerini, Linda <Linda.Passerini@novascotia.ca>; Rideout, Bill E <Bill.Rideout@novascotia.ca>; Kennedy, Elizabeth C <Elizabeth.Kennedy@novascotia.ca>; Check, Gordon G <Gordon.Check@novascotia.ca>; Sinclair, Andrew <Andrew.Sinclair@novascotia.ca>; Greenwood, Mark <Mark.Greenwood@novascotia.ca>; Higgins, Jeremy W <Jeremy.Higgins@novascotia.ca>; Williams, Charles S <Charles.Williams@novascotia.ca>; McKenna, Chuck W <Chuck.McKenna@novascotia.ca>; Brufatto, Matthew <Matthew.Brufatto@novascotia.ca>; Cuthbert, Robert W

<Robert.Cuthbert@novascotia.ca>; Miller, Michelle <Michelle.Miller@novascotia.ca>; Labor, Peter <Peter.Labor@novascotia.ca>; Morehouse, Neil S <Neil.Morehouse@novascotia.ca>; Sangster, Charles W <Charles.Sangster@novascotia.ca>; Currie, Paul D <Paul.Currie@novascotia.ca>; McPherson, Johnny P <Johnny.McPherson@novascotia.ca>; Baxter, Brent K <Brent.Baxter@novascotia.ca>; MacKenzie, Tanya L <Tanya.MacKenzie@novascotia.ca>; Johnson, Kathleen <Kathleen.Johnson@novascotia.ca>; Jadot, Sarah X <Sarah.Jadot@novascotia.ca>; 'hdoane@nsbi.ca' <hdoane@nsbi.ca>; Gillis, Sean I <Sean.Gillis@novascotia.ca>; 'projects@ceaa-acee.gc.ca' <projects@ceaa-acee.gc.ca>; 'Savard, Micheline (CEAA/ACEE)' <micheline.savard@canada.ca>; 'Denning, Allison (HC/SC)' <allison.denning@canada.ca>; 'Richardson-Prager, Lance (HC/SC)' <lance.richardson-prager@canada.ca>; 'fcr_tracker@ec.gc.ca' <fcr_tracker@ec.gc.ca>; 'Stephen.zwicker' (Stephen.zwicker@canada.ca)' <Stephen.zwicker@canada.ca>; 'ReferralsMaritimes@dfo-mpo.gc.ca' <ReferralsMaritimes@dfo-mpo.gc.ca>; 'Leanda.Delaney' <Leanda.Delaney@dfo-mpo.gc.ca>; Jason Flanagan <jason.flanagan@tc.gc.ca>; 'robert.trerice@tc.gc.ca' <robert.trerice@tc.gc.ca>; 'deanna.brewster@forces.gc.ca' <deanna.brewster@forces.gc.ca>
Cc: 'alfred.ng@canada.ca' <alfred.ng@canada.ca>; 'James.Holloway@Canada.ca' <James.Holloway@Canada.ca>; 'martin.anderson@canada.ca' <martin.anderson@canada.ca>; 'kimberly.chan@canada.ca' <kimberly.chan@canada.ca>; 'Estelle.Chou@international.gc.ca' <Estelle.Chou@international.gc.ca>; 'Isolda.Guevara@international.gc.ca' <Isolda.Guevara@international.gc.ca>
Subject: Canso Spaceport Facility Project - Focus Report for Environmental Assessment

Hello everyone,

This is to advise that on March 11, 2019, Maritime Launch Service Ltd. submitted the Focus Report for the Canso Spaceport Facility Project for environmental assessment, in accordance with Part IV of the *Environment Act*.

The purpose of the proposed project is to construct and operate a private commercial space launch site that provides rocket launch services to clients. The project is located approximately 2-3 kilometers south of Canso, Guysborough County, Nova Scotia. A medium class orbital launch vehicle designed by Yuzhnoye SDO in the Ukraine, will transport satellites into orbit. A maximum of 8 launches per year with associated pre-flight activities such as mission rehearsals, is planned. The main project components include a launch control center, as well as a horizontal integration facility and a vertical launch area which are connected by a transportation route. The transportation route is approximately 2.4 kilometers in length, including a road and a railway. The construction of the project is scheduled to commence in 2019, with the first launch planned for 2021.

The Focus Report (1 Document including appendices) is attached to this email. On or before March 25, 2019, all project information including the Focus Report will also be available on our website at <http://www.novascotia.ca/nse/ea/>.

Note that GIS data regarding the updated project location shapefile data is available from me upon request. This GIS data must not be distributed outside of the government, and should be used only for this review.

Please note that comments on the Focus Report must be provided by **April 29, 2019**, to be considered in this environmental assessment. Comments are requested to be provided via e-mail if possible and if you have no comments, please indicate this in writing. All submissions received will be posted on the department's website for public viewing.

Our standard information for reviewers is attached, as well as a memo template for providing your comments to the EA branch for use if you wish. If you have any questions, please do not hesitate to contact me.

Kind Regards,

Candace Quinn

Environmental Assessment Officer

Environmental Assessment Branch

Nova Scotia Environment

1903 Barrington Street, Suite 2085

PO Box 442

Halifax, NS B3J 2P8

Tel: 499-2578

Canso Spaceport Facility Project Regulator Roles & Responsibilities

A. Purpose:

The purpose of this document is to understand and define roles and responsibilities of relevant government departments in the Class I provincial EA process, as well as government departments' subsequent regulatory roles (after the EA), with regards to the proposed Canso Spaceport Facility project. This document does not preclude government departments from providing additional comments in areas that are not assigned to them or not outlined in the EA review scope section below.

B. EA Review Scope:

No.	Valued Environmental Components (VEC)	Review Departments
1	Air and climate change	ECCC, HC (air quality only), NSE
2	Noise	DLF, HC, NSE (noise impact on human and structures) DLF, ECCC (noise impacts on wildlife)
3	Light impacts	DLF, ECCC (light impacts on wildlife)
4	Surface and ground water	ECCC, NSE
5	Wetlands	DLF, ECCC, NSE
6	Flora and fauna	DLF, ECCC (terrestrial species including all avian species), NSE
7	Species at risk	DFO (aquatic species) DLF, ECCC (terrestrial species including all avian species), NSE
8	Fish and fish habitat	DFO
9	Commercial, recreational & Aboriginal fishery	DFO, NSFA
10	Protected area and parks	DLF, NSE
11	Waste and wastewater (eg. any potentially hydrazine contaminated debris from the launch vehicle stage)	ECCC, NSE
12	Human health	HC, HW
13	Cultural & archaeological resources	CCH
14	Mi'kmaq rights (eg. current land uses)	OAA
15	Ground transportation (eg. ground traffic, proposed railway)	TIR
16	Other socio-economic VEC (eg. military related operation, tourism, recreation, agriculture, forestry, other land uses)	DND (military operations) DLF (forestry, recreation such as hunting/fish/hiking) ECCC (weather radar) NSA (agriculture) NSB (economic development sectors including tourism)
17	Accident & malfunction (eg. spill prevention and contingency planning, etc.)	DFO (eg. fish kills) ECCC, NSE (spill prevention & contingency planning)

C. Regulatory Roles:

Departments	Regulatory Roles	Issue Permits/Approvals?	Key Contacts
CCH	Protect archaeology and cultural resources	Heritage Research Permit	Sean Weseloh McKeane Sean.WeselohMcKeane@novascotia.ca
DLF	Protect provincial Crown lands and associated resources	Crown Lands Lease	Robyn McPherson Robyn.McPherson@novascotia.ca
GAC	<p>Provide guidance on Canada's international obligations as a prospective launching State (eg. Convention on International Liability for Damage Caused by Space Objects);</p> <p>Negotiate either bilateral or trilateral technology safeguards agreement;</p> <p>Speak to the international implications of the use of/any accident involving rocket fuels, notably hydrazine.</p>	<p>Bilateral or trilateral rocket technology safeguard agreement with relevant countries</p> <p>Satellite licenses (remote sensing) to satellite operators</p>	<p>Alexandra Toma Alexandra.Toma@international.gc.ca</p> <p>Isolda Guevara Isolda.Guevara@international.gc.ca</p>
ISED	Ensure the effective management of radio spectrum and enforce the international requirements set out by the International Telecommunication Union (ITU).	<p>Licensing the use of the radiofrequency spectrum by:</p> <ul style="list-style-type: none"> -All Canadian space stations and their associated Earth stations located within the Canadian territory; -All Canadian launch vehicles and their associated Earth stations located within the Canadian territory. <p>Approving the use of the radiofrequency spectrum by foreign satellites and foreign launch vehicles communicating with any Earth station located within the Canadian territory.</p>	Shari Scott ic.satelliteauthorization-autorisationsatellite.ic@canada.ca

NSE	Ensure no adverse effects or no significant environmental effects (including both environmental & socio-economic effects) resulting from projects	EA Approval	Helen Yeh Helen.Yeh@novascotia.ca
	Ensure environmental protection	Other likely approvals: -Industrial Approval -Wetland Alteration Approval -Watercourse Alteration Approval -Water Withdrawal Approval -Sewage treatment notification or approval requirement -Dangerous good facility approval -Registered public drinking water supply -Food license	Sean Gillis Sean.Gillis@novascotia.ca
PSPC	Regulate domestic possession, examination and transfer of controlled goods and technologies in Canada (eg. launch vehicle stages)	Registration (with PSPC's Controlled Goods Program)	Peter Curley peter.curley@pwgsc-tpsgc.gc.ca
SNS/TIR	Ensure safe transportation of goods on public roads	-Overweight/Special Move permit -Permit for working within highway right of way -Right of way for pole line permit	Sylvie Colomb Sylvie.Colomb@novascotia.ca Bob Pett Bob.Pett@novascotia.ca Craig Davis Craig.Davis@novascotia.ca
TC	Ensure safety & security of launches;	Final Launch Authorizations ¹ (issued for every launch)	Robert Trerice robert.trerice@tc.gc.ca
	Ensure the project does not pose a threat to aviation safety, and determine whether lighting or marking of some components of the facility (e.g. vertical launch area) is required;	Aeronautical Obstruction Clearance form	Civil Aviation Services - Atlantic 95 Foundry Street P.O. Box 42 Moncton, NB E1C 8K6 Toll Free Number: 1-800-305-2059 Toll Free Fax: 1-855-726-7495 E-Mail: tc.aviationservicesatl-servicesaviationatl.tc@tc.gc.ca

	<p>Ensure requirements regarding <i>Transportation of Dangerous Goods Act</i> are met.</p> <p>General TC regional contact and EA one-window coordinator</p>		<p>Website: http://www.tc.gc.ca/eng/civilaviation/menu.htm http://www.tc.gc.ca/eng/tdg/safety-menu.htm</p> <p>Jason Flanagan jason.flanagan@tc.gc.ca</p>
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¹ TC is required, with assistance from the Canadian Space Agency, NAV Canada and other relevant departments to assess and ensure the launch safety and security aspects of the proposed launches through permitting pursuant to the Aeronautics Act, Canadian Aviation Regulations. For your benefit this includes, but is not limited to the following:

- Launch vehicle requirements;
- Launch trajectory and navigation system;
- Restricted air space (eg. aeronautical study);
- Ground safety (eg. explosive site analysis);
- Launch protocols, and associated safety and contingency procedures (eg. flight termination systems);
- Contingency measures for potential accident, malfunction, etc. associated with the launches;
- Requirements for insurance or demonstrated financial responsibility (eg. 3rd party liability, government properties liability);
- Other pertinent aspects of the proposed launches;

D. Acronyms

- CCH: Nova Scotia Department of Communities, Culture & Heritage
- DFO: Fisheries and Oceans Canada
- DLF: Nova Scotia Department of Lands and Forestry
- DND: Department of National Defense
- ECCC: Environmental and Climate Change Canada
- GAC: Global Affairs Canada
- HC: Health Canada
- HW: Nova Scotia Department of Health & Wellness
- ISED: Innovation, Science and Economic Development
- NSA: Nova Scotia Department of Agriculture
- NSB: Nova Scotia Department of Business
- NSE: Nova Scotia Environment
- NSFA: Nova Scotia Department of Fisheries and Aquaculture
- OAA: Nova Scotia Office of Aboriginal Affairs
- PSPC: Public Services and Procurement Canada
- SNS: Service Nova Scotia
- TC: Transport Canada
- TIR: Nova Scotia Department of Transportation and Infrastructure Renewal

Agnew2, Eleonora (ASC/CSA)

From: Anderson, Martin (ASC/CSA)
Sent: Tuesday, June 04, 2019 2:20 PM
To: Agnew2, Eleonora (ASC/CSA)
Subject: RE: Canso Spaceport Facility Project - Decision

FYI.

Interesting tidbit from SpaceQ story on the approval. Wonder where Yuzhmash's new investment came from...

“Matier told SpaceQ that “he was impressed” with how much progress was being made at Yuzhmash and that he noted new manufacturing equipment including 3D printers which are now being used for building some components. Matier remarked that it appeared Yuzhmash has received an influx of capital since the last time he was there. “

<http://spaceq.ca/canadian-spaceport-in-nova-scotia-gets-environment-ministry-approval-to-move-forward/>

From: Quinn, Candace M <Candace.Quinn@novascotia.ca>
Sent: June-04-19 11:56 AM
To: McNeill, Alan J <Alan.McNeill@novascotia.ca>; MacLellan, Matthias M <Matthias.MacLellan@novascotia.ca>; Colomb, Sylvie <Sylvie.Colomb@novascotia.ca>; Weseloh McKeane, Sean <Sean.WeselohMcKeane@novascotia.ca>; Cross, Anna <Anna.Cross@novascotia.ca>; MacMillan, Heather J <Heather.MacMillan@novascotia.ca>; Tan, Minh <Minh.Tan@novascotia.ca>; Petrie, Bob D <Bob.Petrie@novascotia.ca>; Milton, Randy Gordon <Gordon.Milton@novascotia.ca>; Power, Terrance <Terrance.Power@novascotia.ca>; McPherson, Robyn <Robyn.McPherson@novascotia.ca>; Steele, Cynthia <Cynthia.Steele@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>; Lamb, Tom <Tom.Lamb@novascotia.ca>; MacPherson, George E <George.MacPherson@novascotia.ca>; Smith, Gordon T <Gordon.Smith@novascotia.ca>; Howell, Alan A <Alan.Howell@novascotia.ca>; Fielding, Gillian <Gillian.Fielding@novascotia.ca>; Goldberg, Susan <Susan.Goldberg@novascotia.ca>; Passerini, Linda <Linda.Passerini@novascotia.ca>; Rideout, Bill E <Bill.Rideout@novascotia.ca>; Kennedy, Elizabeth C <Elizabeth.Kennedy@novascotia.ca>; Check, Gordon G <Gordon.Check@novascotia.ca>; Sinclair, Andrew <Andrew.Sinclair@novascotia.ca>; Greenwood, Mark <Mark.Greenwood@novascotia.ca>; Higgins, Jeremy W <Jeremy.Higgins@novascotia.ca>; Williams, Charles S <Charles.Williams@novascotia.ca>; McKenna, Chuck W <Chuck.McKenna@novascotia.ca>; Brufatto, Matthew <Matthew.Brufatto@novascotia.ca>; Cuthbert, Robert W <Robert.Cuthbert@novascotia.ca>; Miller, Michelle <Michelle.Miller@novascotia.ca>; Labor, Peter <Peter.Labor@novascotia.ca>; Morehouse, Neil S <Neil.Morehouse@novascotia.ca>; Sangster, Charles W <Charles.Sangster@novascotia.ca>; Currie, Paul D <Paul.Currie@novascotia.ca>; McPherson, Johnny P <Johnny.McPherson@novascotia.ca>; Baxter, Brent K <Brent.Baxter@novascotia.ca>; MacKenzie, Tanya L <Tanya.MacKenzie@novascotia.ca>; Johnson, Kathleen <Kathleen.Johnson@novascotia.ca>; Jadot, Sarah X <Sarah.Jadot@novascotia.ca>; hdoane@nsbi.ca; Gillis, Sean I <Sean.Gillis@novascotia.ca>; Projects / Projets (CEAA/ACEE) <ceaa.projects-projets.acee@canada.ca>; Savard, Micheline (CEAA/ACEE) <micheline.savard@canada.ca>; Denning, Allison (HC/SC) <allison.denning@canada.ca>; Richardson-Prager, Lance (HC/SC) <lance.richardson-prager@canada.ca>; RCF Surveiller / FCR Tracker (EC) <ec.rcfsurveiller-fcrtracker.ec@canada.ca>; Zwicker, Stephen (EC) <stephen.zwicker@canada.ca>; 'ReferralsMaritimes@dfo-mpo.gc.ca' <ReferralsMaritimes@dfo-mpo.gc.ca>; Leanda.Delaney <Leanda.Delaney@dfo-mpo.gc.ca>; Jason Flanagan <jason.flanagan@tc.gc.ca>; robert.trerice@tc.gc.ca; deanna.brewster@forces.gc.ca

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Subject: RE: Canso Spaceport Facility Project - Focus Report for Environmental Assessment

Good afternoon everyone,

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Sent: March 13, 2019 10:31 AM

To: McNeill, Alan J <Alan.McNeill@novascotia.ca>; MacLellan, Matthias M <Matthias.MacLellan@novascotia.ca>; Colomb, Sylvie <Sylvie.Colomb@novascotia.ca>; Weseloh McKeane, Sean <Sean.WeselohMcKeane@novascotia.ca>; Cross, Anna <Anna.Cross@novascotia.ca>; MacMillan, Heather J <Heather.MacMillan@novascotia.ca>; Tan, Minh <Minh.Tan@novascotia.ca>; Petrie, Bob D <Bob.Petrie@novascotia.ca>; Milton, Randy Gordon <Gordon.Milton@novascotia.ca>; MacPhail, Mark C <Mark.MacPhail2@novascotia.ca>; Steele, Cynthia <Cynthia.Steele@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Cameron, Heather <Heather.Cameron@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>; Whiteway, Patrick <Patrick.Whiteway@novascotia.ca>; Smith, Gordon T <Gordon.Smith@novascotia.ca>; Rillie, Claire Z <Claire.Rillie@novascotia.ca>; Goldberg, Susan <Susan.Goldberg@novascotia.ca>; Passerini, Linda <Linda.Passerini@novascotia.ca>; Rideout, Bill E <Bill.Rideout@novascotia.ca>; Kennedy, Elizabeth C <Elizabeth.Kennedy@novascotia.ca>; Check, Gordon G <Gordon.Check@novascotia.ca>; Sinclair, Andrew <Andrew.Sinclair@novascotia.ca>; Greenwood, Mark <Mark.Greenwood@novascotia.ca>; Higgins, Jeremy W <Jeremy.Higgins@novascotia.ca>; Williams, Charles S <Charles.Williams@novascotia.ca>; McKenna, Chuck W <Chuck.McKenna@novascotia.ca>; Brufatto, Matthew <Matthew.Brufatto@novascotia.ca>; Cuthbert, Robert W <Robert.Cuthbert@novascotia.ca>; Miller, Michelle <Michelle.Miller@novascotia.ca>; Labor, Peter <Peter.Labor@novascotia.ca>; Morehouse, Neil S <Neil.Morehouse@novascotia.ca>; Sangster, Charles W <Charles.Sangster@novascotia.ca>; Currie, Paul D <Paul.Currie@novascotia.ca>; McPherson, Johnny P <Johnny.McPherson@novascotia.ca>; Baxter, Brent K <Brent.Baxter@novascotia.ca>; MacKenzie, Tanya L <Tanya.MacKenzie@novascotia.ca>; Johnson, Kathleen <Kathleen.Johnson@novascotia.ca>; Jadot, Sarah X <Sarah.Jadot@novascotia.ca>; 'hdoane@nsbi.ca' <hdoane@nsbi.ca>; Gillis, Sean I <Sean.Gillis@novascotia.ca>; 'projects@ceaa-acee.gc.ca' <projects@ceaa-acee.gc.ca>; 'Savard, Micheline (CEAA/ACEE)' <micheline.savard@canada.ca>; 'Denning, Allison (HC/SC)' <allison.denning@canada.ca>; 'Richardson-Prager, Lance (HC/SC)' <lance.richardson-prager@canada.ca>; 'fcr_tracker@ec.gc.ca' <fcr_tracker@ec.gc.ca>; 'Stephen.zwicker' (Stephen.zwicker@canada.ca) <Stephen.zwicker@canada.ca>; 'ReferralsMaritimes@dfo-mpo.gc.ca' <ReferralsMaritimes@dfo-mpo.gc.ca>; 'Leanda.Delaney' <Leanda.Delaney@dfo-mpo.gc.ca>; Jason Flanagan <jason.flanagan@tc.gc.ca>; 'robert.trerice@tc.gc.ca' <robert.trerice@tc.gc.ca>; 'deanna.brewster@forces.gc.ca' <deanna.brewster@forces.gc.ca>

Cc: 'alfred.ng@canada.ca' <alfred.ng@canada.ca>; 'James.Holloway@Canada.ca' <James.Holloway@Canada.ca>; 'martin.anderson@canada.ca' <martin.anderson@canada.ca>; 'kimberly.chan@canada.ca' <kimberly.chan@canada.ca>; 'Estelle.Chou@international.gc.ca' <Estelle.Chou@international.gc.ca>; 'Isolda.Guevara@international.gc.ca' <Isolda.Guevara@international.gc.ca>

Subject: Canso Spaceport Facility Project - Focus Report for Environmental Assessment

Cc: Ng, Alfred (ASC/CSA) <alfred.ng@canada.ca>; Holloway, James (ASC/CSA) <james.holloway@canada.ca>; Anderson, Martin (ASC/CSA) <martin.anderson@canada.ca>; Chan, Kimberly (ASC/CSA) <kimberly.chan@canada.ca>; Estelle.Chou@international.gc.ca; Isolda.Guevara@international.gc.ca; Anderson3, David (IC) <david.anderson3@canada.ca>; Eyking, Mieka (IC) <mieka.eyking@canada.ca>
Subject: RE: Canso Spaceport Facility Project - Decision

Good Afternoon,

This is to advise, on June 4, 2019 the Minister of Environment released a decision concerning the review of the Canso Spaceport Facility Project. The Minister has decided to approve the undertaking in accordance with Section 18(a) of the Environmental Assessment Regulations, pursuant to Part IV of the Environment Act. The undertaking has been approved subject to a number of conditions.

For more information pertaining to this review and for the decision document (when available), please visit:
<https://novascotia.ca/nse/ea/canso-spaceport-facility/>

Kind regards,

Candace Quinn

Environmental Assessment Officer
Environmental Assessment Branch
Nova Scotia Environment
1903 Barrington Street, Suite 2085
PO Box 442
Halifax, NS B3J 2P8
Tel: 499-2578

From: Quinn, Candace M

Sent: April 15, 2019 2:06 PM

To: McNeill, Alan J <Alan.McNeill@novascotia.ca>; MacLellan, Matthias M <Matthias.MacLellan@novascotia.ca>; Colomb, Sylvie <Sylvie.Colomb@novascotia.ca>; Weseloh McKeane, Sean <Sean.WeselohMcKeane@novascotia.ca>; Cross, Anna <Anna.Cross@novascotia.ca>; MacMillan, Heather J <Heather.MacMillan@novascotia.ca>; Tan, Minh <Minh.Tan@novascotia.ca>; Petrie, Bob D <Bob.Petrie@novascotia.ca>; Milton, Randy Gordon <Gordon.Milton@novascotia.ca>; MacPhail, Mark C <Mark.MacPhail2@novascotia.ca>; McPherson, Robyn <Robyn.McPherson@novascotia.ca>; Steele, Cynthia <Cynthia.Steele@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Cameron, Heather <Heather.Cameron@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>; Lamb, Tom <Tom.Lamb@novascotia.ca>; Smith, Gordon T <Gordon.Smith@novascotia.ca>; Howell, Alan A <Alan.Howell@novascotia.ca>; Fielding, Gillian <Gillian.Fielding@novascotia.ca>; Goldberg, Susan <Susan.Goldberg@novascotia.ca>; Passerini, Linda <Linda.Passerini@novascotia.ca>; Rideout, Bill E <Bill.Rideout@novascotia.ca>; Kennedy, Elizabeth C <Elizabeth.Kennedy@novascotia.ca>; Check, Gordon G <Gordon.Check@novascotia.ca>; Sinclair, Andrew <Andrew.Sinclair@novascotia.ca>; Greenwood, Mark <Mark.Greenwood@novascotia.ca>; Higgins, Jeremy W <Jeremy.Higgins@novascotia.ca>; Williams, Charles S <Charles.Williams@novascotia.ca>; McKenna, Chuck W <Chuck.McKenna@novascotia.ca>; Brufatto, Matthew <Matthew.Brufatto@novascotia.ca>; Cuthbert, Robert W <Robert.Cuthbert@novascotia.ca>; Miller, Michelle <Michelle.Miller@novascotia.ca>; Labor, Peter <Peter.Labor@novascotia.ca>; Morehouse, Neil S <Neil.Morehouse@novascotia.ca>; Sangster, Charles W <Charles.Sangster@novascotia.ca>; Currie, Paul D <Paul.Currie@novascotia.ca>; McPherson, Johnny P <Johnny.McPherson@novascotia.ca>; Baxter, Brent K <Brent.Baxter@novascotia.ca>; MacKenzie, Tanya L <Tanya.MacKenzie@novascotia.ca>; Johnson, Kathleen <Kathleen.Johnson@novascotia.ca>; Jadot, Sarah X <Sarah.Jadot@novascotia.ca>; hdoane@nsbi.ca; Gillis, Sean I <Sean.Gillis@novascotia.ca>; 'projects@ceaa-acee.gc.ca' <projects@ceaa-acee.gc.ca>; Savard, Micheline (CEAA/ACEE) <micheline.savard@canada.ca>; Denning, Allison (HC/SC)

Hello everyone,

This is to advise that on March 11, 2019, Maritime Launch Service Ltd. submitted the Focus Report for the Canso Spaceport Facility Project for environmental assessment, in accordance with Part IV of the *Environment Act*.

The purpose of the proposed project is to construct and operate a private commercial space launch site that provides rocket launch services to clients. The project is located approximately 2-3 kilometers south of Canso, Guysborough County, Nova Scotia. A medium class orbital launch vehicle designed by Yuzhnoye SDO in the Ukraine, will transport satellites into orbit. A maximum of 8 launches per year with associated pre-flight activities such as mission rehearsals, is planned. The main project components include a launch control center, as well as a horizontal integration facility and a vertical launch area which are connected by a transportation route. The transportation route is approximately 2.4 kilometers in length, including a road and a railway. The construction of the project is scheduled to commence in 2019, with the first launch planned for 2021.

The Focus Report (1 Document including appendices) is attached to this email. On or before March 25, 2019, all project information including the Focus Report will also be available on our website at <http://www.novascotia.ca/nse/ea/>.

Note that GIS data regarding the updated project location shapefile data is available from me upon request. This GIS data must not be distributed outside of the government, and should be used only for this review.

Please note that comments on the Focus Report must be provided by **April 29, 2019**, to be considered in this environmental assessment. Comments are requested to be provided via e-mail if possible and if you have no comments, please indicate this in writing. All submissions received will be posted on the department's website for public viewing.

Our standard information for reviewers is attached, as well as a memo template for providing your comments to the EA branch for use if you wish. If you have any questions, please do not hesitate to contact me.

Kind Regards,

Candace Quinn

Environmental Assessment Officer
Environmental Assessment Branch
Nova Scotia Environment
1903 Barrington Street, Suite 2085
PO Box 442
Halifax, NS B3J 2P8
Tel: 499-2578

Agnew2, Eleonora (ASC/CSA)

From: Ermakov, Angelina (ASC/CSA)
Sent: Tuesday, June 04, 2019 12:35 PM
To: Larocque2, Manon (ASC/CSA); Djukic, Maja (ASC/CSA); Wood, Jason (ASC/CSA)
Cc: Preville, Mary (ASC/CSA); Wilson2, Tom (ASC/CSA); Smyth, Jill (ASC/CSA); Anderson, Martin (ASC/CSA); Hardy-Chartrand, Bruno (ASC/CSA); Gervais, Karen; Mercier, Francis; Agnew2, Eleonora (ASC/CSA); Samantha.Condie@international.gc.ca
Subject: FW: [MARKETING] Short Cuts Newsletter: Spaceport in Nova Scotia gets Environment ministry approval to move forward, flying hospital bridging space and Earth Medicine

Hello everyone,

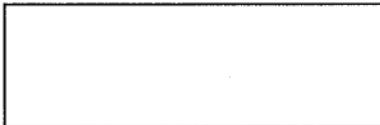
MLS received today the approval of its Environmental Assessment from Nova Scotia Environment to proceed with building a space port in Canso, NS. The next step for the company is signing of the crown land lease by NS Department of Lands and Forestry. Ceremonial ground breaking is planned for July.

[http://spaceq.ca/canadian-spaceport-in-nova-scotia-gets-environment-ministry-approval-to-move-forward/?utm_source=SpaceQ&utm_campaign=09e2abc7fa-forward](http://spaceq.ca/canadian-spaceport-in-nova-scotia-gets-environment-ministry-approval-to-move-forward/?utm_source=SpaceQ&utm_campaign=09e2abc7fa-forward/?utm_source=SpaceQ&utm_campaign=09e2abc7fa-forward)

[SpaceQ Shorts Cuts 01 09 2018 COPY 01&utm_medium=email&utm_term=0_eadaa64327-09e2abc7fa-17309355](http://spaceq.ca/canadian-spaceport-in-nova-scotia-gets-environment-ministry-approval-to-move-forward/?utm_source=SpaceQ&utm_campaign=09e2abc7fa-forward)

Regards,
Angelina

From: SpaceQ Newsletter <marc@spaceq.ca>
Sent: June-04-19 12:25 PM
To: Ermakov, Angelina (ASC/CSA) <angelina.ermakov@canada.ca>
Subject: [MARKETING] Short Cuts Newsletter: Spaceport in Nova Scotia gets Environment ministry approval to move forward, flying hospital bridging space and Earth Medicine



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Short Cuts

By Marc Boucher • June 4, 2019

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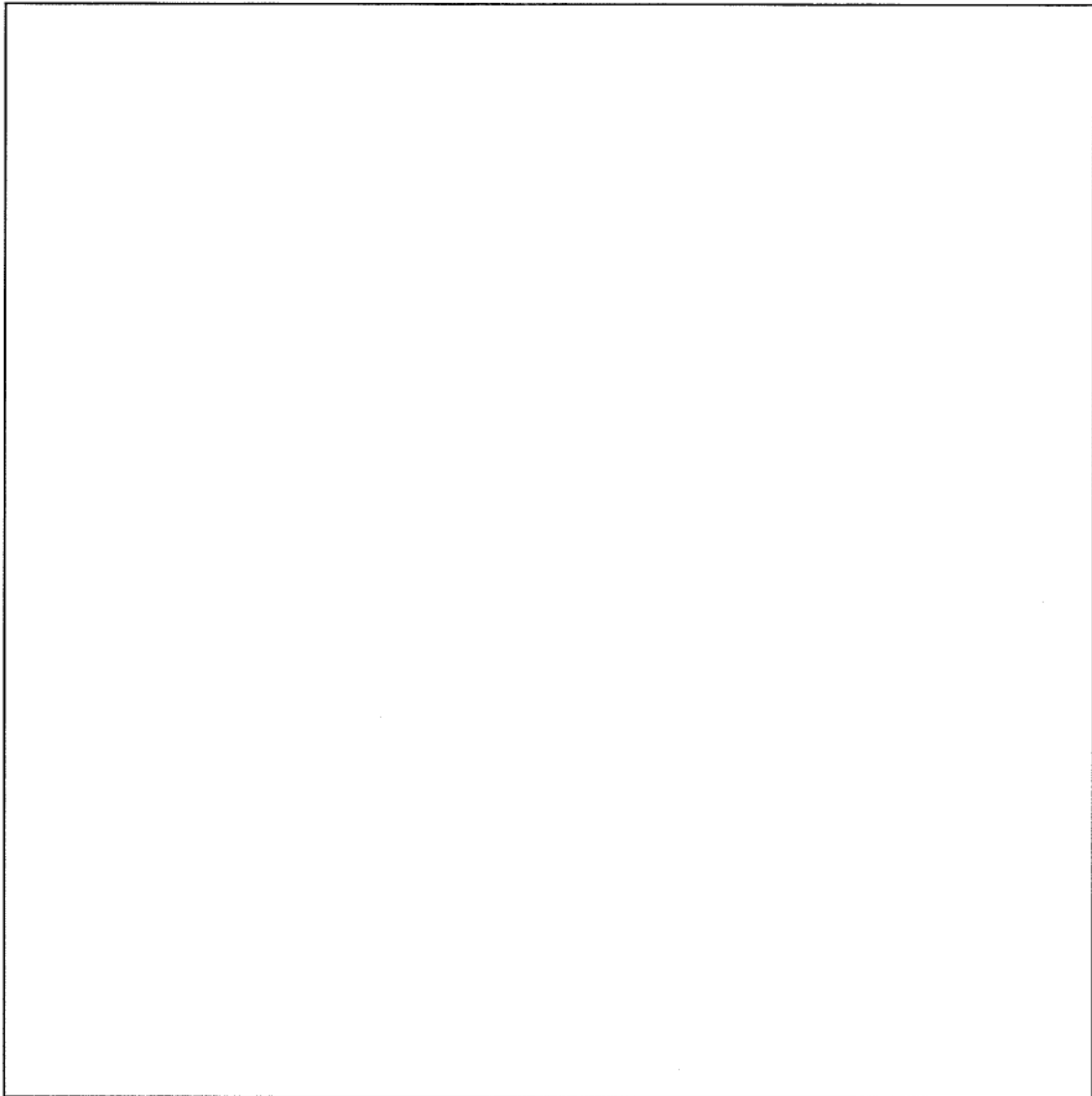
Have a story suggestion, tip or feedback? Email me at marc@spaceq.ca.
You can find us on Twitter at [@CanadaInSpace](https://twitter.com/CanadaInSpace) and [@marckboucher](https://twitter.com/marckboucher).

Spaceport in Nova Scotia gets environment ministry approval to move forward - Today Nova Scotia Environment gave the approval for Maritime Launch Services to move forward with its plan to build a spaceport in the Hazel Hill - Canso area of Guysborough County. Other details emerge about the project. [Read the story](#). (SpaceQ)

Orbis flying eye hospital hosts Canadian astronauts bridging space and Earth medicine - Volunteer staff from a state-of-the-art "flying eye hospital" hosted astronauts and demonstrated their operating skills at the Ottawa International Airport this weekend. [Read the story](#). (SpaceQ)

- **NASA Space Station On-Orbit Status 3 June 2019 - Dragon Spacecraft Returns to Earth** - "SpaceX's Dragon cargo spacecraft splashed down in the Pacific Ocean at 5:48 p.m. EDT (2:48 p.m PDT), approximately 202 miles southwest of Long Beach, California, marking the end of the company's 17th contracted cargo resupply mission to the International Space Station for NASA." (SpaceRef/NASA)

- New Apple TV+ Series: What if the space race had never ended? [Watch the trailer](#). (NASA Watch)



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- NASA is offering **mixed messaging** on future budgets where cuts to other programs might be need to pay for the Artemis program.
(SpaceNews)
- Bigelow Aerospace **has new plans for a moon base**. (Leonard David)
- The US The National Reconnaissance Office has **awarded study contracts to BlackSky, Maxar and Planet**. (SpaceNews)
- Astronomy group calls for **urgent action on SpaceX Starlink satellites**.
(New Scientist)

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Laurin, Josianne (ASC/CSA)

From: Agnew2, Eleonora (ASC/CSA)
Sent: June-11-19 2:29 PM
To: Wood, Jason (ASC/CSA)
Cc: Djukic, Maja (ASC/CSA); Wilson2, Tom (ASC/CSA)
Subject: RE: MLS Spaceport and Transport Canada

I love you optimism

From: Wood, Jason (ASC/CSA) <jason.wood@canada.ca>
Sent: Tuesday, June 11, 2019 2:26 PM
To: Agnew2, Eleonora (ASC/CSA) <eleonora.agnew2@canada.ca>
Cc: Djukic, Maja (ASC/CSA) <maja.djukic@canada.ca>; Wilson2, Tom (ASC/CSA) <tom.wilson2@canada.ca>
Subject: RE: MLS Spaceport and Transport Canada

This is encouraging. Perhaps the challenges in moving forward with one piece will create some inertia to deal with things more holistically.

From: Agnew2, Eleonora (ASC/CSA) <eleonora.agnew2@canada.ca>
Sent: Tuesday, June 11, 2019 2:13 PM
To: Wood, Jason (ASC/CSA) <jason.wood@canada.ca>
Cc: Djukic, Maja (ASC/CSA) <maja.djukic@canada.ca>; Wilson2, Tom (ASC/CSA) <tom.wilson2@canada.ca>
Subject: FW: MLS Spaceport and Transport Canada

Hi Jason,

Please note that TC has reached out to inform MLS that they are “leading” regulatory reform on behalf of the “Government of Canada” to enable domestic space launch. Of course, this continues the piecemeal approach and would not capture Canadian space objects being launched internationally – a big gap in current legislation.

I am hosting a meeting on the 21st with GAC & TC to discuss this file and more specifically the TSA & TAA required for domestic space launch.

Elle

From: Stephen Matier [<mailto:steve.matier@maritimelaunch.com>]
Sent: Wednesday, June 05, 2019 8:49 AM
To: Juneau, Patrick <patrick.juneau@tc.gc.ca>
Cc: Croft, Stacey <Stacey.Croft@tc.gc.ca>
Subject: Re: MLS Spaceport and Transport Canada

Patrick,

Thank you for your note. I am very interested in setting up a meeting with you and your federal partners to discuss the next steps for the commercial space launch initiative in Canada. I think a face to face meeting would be best, if at all possible. I don't currently have a firm date for my next visit to Ottawa but am working to set one up before the end of June. If there are some dates that don't work for you during the last two weeks of June, I can work around them. Thank you.

Regards,

Steve

From: "Juneau, Patrick" <patrick.juneau@tc.gc.ca>
Date: Monday, June 3, 2019 at 9:57 AM
To: "steve.matier@maritimelaunch.com" <steve.matier@maritimelaunch.com>
Cc: "Croft, Stacey" <Stacey.Croft@tc.gc.ca>
Subject: MLS Spaceport and Transport Canada

Dear Mr. Matier,

I understand you have been in contact with some of my colleagues here at Transport Canada (TC) and at other federal departments to inquire about the requirements for rocket launch authorisation in Canada.

As you may know, on 06 March 2019, the Government of Canada announced *A New Space Strategy for Canada* to support advances in space science, growth in the space sector and space-based technologies to benefit Canadians. As part of this Strategy, the Government of Canada is modernising the current legislative and regulatory framework to support safe, secure, and sustainable access to space from Canada. Domestic space launch capacity requires a whole-of-government approach and my office is leading this work for TC and the Government of Canada.

I would see a benefit in meeting together to discuss MLS' plans and share progress on the Government's work in this area.

Do you have any travel planned to Ottawa in the near future? If so, we can bring together some of our federal partners for a discussion. Alternatively, I am open to visiting your offices in Halifax as soon as our schedules permit or to holding a teleconference / videoconference.

I look forward to the opportunity to engage on the next steps for commercial space launch Canada.

Regards,

Patrick Juneau

Patrick J. Juneau, P. Eng.

Directeur p.i., Politiques et services de réglementation | A/Director, Policy and Regulatory Services
Direction générale de l'aviation civile | Civil Aviation Directorate
Transports Canada | Transport Canada

Patrick.Juneau@tc.gc.ca

Téléphone | Telephone: +1 613.949.2385

330, rue Sparks, Ottawa, ON K1A 0N5
330 Sparks St., Ottawa, ON K1A 0N5

Gouvernement du Canada | Government of Canada

Agnew2, Eleonora (ASC/CSA)

From: Juneau, Patrick <patrick.juneau@tc.gc.ca>
Sent: Tuesday, July 23, 2019 7:26 AM
To: michel.doyon@international.gc.ca; kimberly.rebenchuk@forces.gc.ca; isolda.guevara@international.gc.ca; Gervais, Karen; Croft, Stacey; Agnew2, Eleonora (ASC/CSA); estelle.chou@international.gc.ca; subbaraman.ramachandran@international.gc.ca; samantha.condie@international.gc.ca; Kanji, Shazmin (ASC/CSA); Ermakov, Angelina (ASC/CSA); Holloway, James (ASC/CSA); LePage2, Louis (ASC/CSA); joelle.nadeau@forces.gc.ca; gordon.deecker@international.gc.ca; bruce.mann@international.gc.ca; daniel.denis@international.gc.ca
Subject: Re: Call from Nova Scotia Department of Business - CANSO Spaceport

Bonjour Michel,

Much appreciated on this.

We've reached out to Mr. Matier on several occasions now and have had no success in securing a meeting with him.

If David could emphasise the importance of engaging with us early, it would be greatly appreciated.

We'll attempt to reach out again but, other than a response to my initial email, he's been unresponsive. I'm going to pressure through our regional office and ACOA but we need to get him to the table sooner rather than later.

Patrick

Patrick J. Juneau, P. Eng.
A/Director, Policy and Regulatory Services - Civil Aviation
+1 613.949.2385
Patrick.Juneau@tc.gc.ca
- sent from my mobile

On Mon, Jul 22, 2019 at 5:02 PM -0400, "Michel.Doyon@international.gc.ca"
<Michel.Doyon@international.gc.ca<mailto:Michel.Doyon@international.gc.ca>> wrote:

Good afternoon everybody,

Following his request, we had a quick call with David Mitchell of the Nova Scotia Department of Business in order to understand what he is working on, what he wants from the GOC and then involve you all.

The Major Projects Coordination Initiative in which he is affiliated reports to the DM who has asked that major projects in the province be identified.

The Canso spaceport project is one in which he focuses on, particularly its land/terrestrial components and relevant regulators. So far, he is in touch with Transport Canada (a Jason Flanagan will provide him with contacts) and DFO. The movement of hazardous goods and their storage are also elements.

We explained the lack of a comprehensive space legislation and the various OGDs/agencies that have a say/interest in space launch. For GAC, its terrestrial role would be confined to negotiating a TSA if there is US technology transferred to operate the spaceport. David acknowledges that the launch aspect is separate, but expressed a willingness to bring both sides together, so that both federal and provincial regulators are kept abreast of developments with MLS.

For this project, there are three types of meetings:

- (1) One-window meeting with Proponent. This happens annually but will increase as the project progresses. He has a meeting scheduled with Steve Matier on September 17 to discuss milestones*. David offered to report back. He is also open to any suggestions on how WE may be able to input into the discussions.
- (2) One-window meeting of Proponent with provincial regulators.
- (3) One-window meeting of regulators to discuss specific issues concerning the Proponent

Next Steps:

- Let me know if you have any comments on the above report.
- We suggest to arrange a follow up call with David to share more information from your respective sides. Would end of next week work for you?

*MLS is currently engaged in substantive work to meet the conditions of Nova Scotia Environment following approval of its EA. MLS is also engaged in seeking a Crown land lease, which may have its own terms and conditions. To date, breaking ground is expected around Spring 2020, with first launch around 2022.

Regards

Michel and Isolda

From: Isolda.Guevara@international.gc.ca<mailto:Isolda.Guevara@international.gc.ca>
[mailto:Isolda.Guevara@international.gc.ca]
Sent: July-19-19 2:25 PM
To: Michel.Doyon@international.gc.ca<mailto:Michel.Doyon@international.gc.ca>;
patrick.juneau@tc.gc.ca<mailto:patrick.juneau@tc.gc.ca>; karen.gervais@tc.gc.ca<mailto:karen.gervais@tc.gc.ca>;
Stacey.Croft@tc.gc.ca<mailto:Stacey.Croft@tc.gc.ca>;
eleonora.agnew2@canada.ca<mailto:eleonora.agnew2@canada.ca>;
Estelle.Chou@international.gc.ca<mailto:Estelle.Chou@international.gc.ca>;
subbaraman.ramachandran@international.gc.ca<mailto:subbaraman.ramachandran@international.gc.ca>;
Samantha.Condie@international.gc.ca<mailto:Samantha.Condie@international.gc.ca>;
shazmin.kanji@canada.ca<mailto:shazmin.kanji@canada.ca>
Cc: Nadeau JMC@ADM(Pol) D Pol Dev@Ottawa-Hull
<JOELLE.NADEAU@forces.gc.ca<mailto:JOELLE.NADEAU@forces.gc.ca>>; Rebenchuk K@ADM(Pol) D Pol Dev@Ottawa-
Hull <KIMBERLY.REBENCHUK@forces.gc.ca<mailto:KIMBERLY.REBENCHUK@forces.gc.ca>>
Subject: Call from Nova Scotia Department of Business - CANSO Spaceport

Colleagues,

I received a voice mail this afternoon from David Mitchell at the Nova Scotia Department of Business. He is with the Major Projects Coordination Initiative working on the Canso Spaceport Project. He wants to have a 1-window meeting for regulators. He noted that GAC and others are only in the periphery of the actual development of the project "from a land/terrestrial point of view". He wants to understand GAC's role.

Let me know if he has contacted you. If not, may I provide him your contacts, or alternatively, we can suggest a conference call so he can hear from all of us.

Views/suggestions welcome.

Isolda

Hot Issue:

Canso Spaceport and Orbital Launch

- Maritime Launch Services (MLS) intends to develop a spaceport near Canso, Nova Scotia to launch commercial payloads (up to 3,500 kg) on Ukrainian-built rockets for C\$45 million per launch
 - MLS is targeting 8 launches per year by the early 2020s
- June 2019: Received environmental approval from the Province of Nova Scotia to construct spaceport near Canso, Nova Scotia
 - Construction to begin September 2019, completed by 2021
- Federal Challenge: Canada lacks a clear regulatory framework for orbital launch
- Transport Canada leading on the development of framework for enabling orbital launches from Canadian territory

ATIA-15(1) - I.A

ATIA - 21(1)(b)



Agnew2, Eleonora (ASC/CSA)

From: Holloway, James (ASC/CSA)
Sent: Thursday, July 25, 2019 4:42 PM
To: Larocque2, Manon (ASC/CSA); Wilson2, Tom (ASC/CSA); Anderson, Martin (ASC/CSA); Agnew2, Eleonora (ASC/CSA); Pilote, Frédéric (ASC/CSA); Kanji, Shazmin (ASC/CSA)
Subject: RE: Request

Yes Alfred NG has been our go to guy on the launch. We have previously provided support to TC on their evaluation but have pulled back as the depth of knowledge being sought stretched beyond Alfred's comfort level.

ATIA - 21(1)(b)

As for larger strategic considerations for Canada – Matthew was working on something with Kim.

ATIA - 21(1)(c)

[REDACTED]

James

From: Larocque2, Manon (ASC/CSA) <manon.larocque2@canada.ca>
Sent: July-25-19 4:21 PM
To: Wilson2, Tom (ASC/CSA) <tom.wilson2@canada.ca>; Anderson, Martin (ASC/CSA) <martin.anderson@canada.ca>; Agnew2, Eleonora (ASC/CSA) <eleonora.agnew2@canada.ca>; Holloway, James (ASC/CSA) <james.holloway@canada.ca>; Pilote, Frédéric (ASC/CSA) <frederic.pilote@canada.ca>
Cc: Kanji, Shazmin (ASC/CSA) <shazmin.kanji@canada.ca>
Subject: RE: Request

On the technical side: Alfred Ng is our launch expert. [REDACTED]

Do we know if they've reached out to TC?

ATIA - 21(1)(a)

ATIA - 21(1)(b)

From: Wilson2, Tom (ASC/CSA) <tom.wilson2@canada.ca>
Sent: July-25-19 4:18 PM
To: Anderson, Martin (ASC/CSA) <martin.anderson@canada.ca>; Agnew2, Eleonora (ASC/CSA) <eleonora.agnew2@canada.ca>; Holloway, James (ASC/CSA) <james.holloway@canada.ca>; Larocque2, Manon (ASC/CSA) <manon.larocque2@canada.ca>; Pilote, Frédéric (ASC/CSA) <frederic.pilote@canada.ca>
Cc: Kanji, Shazmin (ASC/CSA) <shazmin.kanji@canada.ca>
Subject: RE: Request

As we briefly discussed in the hallway – to me this sounds like [REDACTED]

[REDACTED]

Given that this is launch related, CSA has limited technical ability in this field. I think we could offer several views and opinions of the strategic considerations, but we may not be able to provide access to all the technical expertise they need.

Welcome others views.

From: Anderson, Martin (ASC/CSA) <martin.anderson@canada.ca>


Sent: July-25-19 3:55 PM

To: Wilson2, Tom (ASC/CSA) <tom.wilson2@canada.ca>; Agnew2, Eleonora (ASC/CSA) <eleonora.agnew2@canada.ca>; Holloway, James (ASC/CSA) <james.holloway@canada.ca>; Larocque2, Manon (ASC/CSA) <manon.larocque2@canada.ca>; Pilote, Frédéric (ASC/CSA) <frederic.pilote@canada.ca>

Subject: FW: Request

FYI Below.

ATIA - 21(1)(b)

Do we have a position on 

Martin

From: Anderson3, David (IC) <david.anderson3@canada.ca>

Sent: July-25-19 3:45 PM

To: Anderson, Martin (ASC/CSA) <martin.anderson@canada.ca>

Subject: Request

ATIA - 21(1)(a)

Hi Martin,

ATIA - 21(1)(b)


Would you be the person to talk to about this?

Thanks,

David Anderson

Analyst, Aerospace, Defence and Marine Branch
Innovation, Science and Economic Development Canada / Government of Canada
david.anderson3@canada.ca 613-292-3804

Analyste, Direction générale de l'aérospatiale, de la défense et de la marine
Innovation, Sciences et Développement économique Canada / Gouvernement du Canada
david.anderson3@canada.ca 613-292-3804

Agnew2, Eleonora (ASC/CSA)

From: Anderson, Martin (ASC/CSA)
Sent: Monday, July 29, 2019 7:28 AM
To: Agnew2, Eleonora (ASC/CSA)
Subject: Fwd: MLS

Hi Elle,

Welcome back.

ATIA - 21(1)(b)

[REDACTED]

Isolde is looking for more details.

Martin
+1 (873) 354-6435

Begin forwarded message:

From: <Isolda.Guevara@international.gc.ca>
Date: July 27, 2019 at 1:14:54 PM EDT
To: <martin.anderson@canada.ca>
Subject: RE: MLS

Hi Martin. [REDACTED] and what are not known
are size or terms?

Isolda

From: Anderson, Martin (ASC/CSA) [mailto:martin.anderson@canada.ca]
Sent: July-25-19 2:09 PM
To: Guevara, Isolda -IGN
Subject: RE: MLS

ATIA - 21(1)(b)

[REDACTED]

From: Anderson, Martin (ASC/CSA)
Sent: July-25-19 2:04 PM
To: 'Isolda.Guevara@international.gc.ca' <Isolda.Guevara@international.gc.ca>
Subject: MLS

Older story on CFFI Ventures. [REDACTED]

The mysterious, deep-pocketed "family office" funding source that eludes many an entrepreneur
<https://business.financialpost.com/entrepreneur/01227-biz-qc-family>

Martin Anderson

Relations avec l'industrie / Direction générale des politiques
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