

Comment Index Colchester Containers Limited Asbestos Waste Disposal Cell

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Nova Scotia Mi'kmaq

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1		
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Public

Number	Source	Date Received
1	Anonymous	May 22, 2019
2	Anonymous	May 22

3	Anonymous	May 22
4	Anonymous	May 23
5	Anonymous	May 25
6	Anonymous	May 31
7	Anonymous	June 1
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41	Anonymous	June 4
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43	Anonymous	June 5
44	Anonymous	June 6
45	Anonymous w attached letter from Christine Blair	June 7
46	Native Council of Nova Scotia	June 14
47	Anonymous	June 9
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49	Anonymous	June 11
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79	Anonymous June 13			
80	Mayor Christine Blair June 12			

Tutty, Bridget R

From: Vervaet, Sharon
Sent: June 3, 2019 10:56 AM

To: Tutty, Bridget R; Seaboyer, Matt P

Subject: RE: Colchester containers

Hi Bridget,

The Air Quality Unit has no air related concerns regarding the Colchester Containers Environmental Assessment Registration.

Regards, Sharon Suite 200 1801 Hollis Street Halifax, NS B3J 3N4

Bureau 200 1801 rue Hollis Halifax, NE B3J 3N4

Date: June 10, 2019

To: Bridget Tutty, Nova Scotia Environment

From: Emily Gregus, Canadian Environmental Assessment Agency

Subject: Asbestos Waste Disposal Cell Project, Colchester Containers

The federal environmental assessment process is set out in the <u>Canadian Environmental Assessment Act, 2012</u> (CEAA 2012). The <u>Regulations Designating Physical Activities</u> (the Regulations) under CEAA 2012 set out a list of physical activities considered to be "designated projects." For designated projects listed in the Regulations where the Canadian Environmental Assessment Agency (the Agency) is the responsible authority, the proponent must provide the Agency with a project description that includes information prescribed by applicable regulations (<u>Prescribed Information for the Description of a Designated Project Regulations</u>).

Based on the information submitted to the Province of Nova Scotia on the proposed Asbestos Waste Disposal Cell Project, it does not appear to be described in the Regulations. Under such circumstances the proponent would not be required to submit a project description to the Agency. However, the proponent is advised to review the Regulations and contact the Agency if, in their view, the Regulations may apply to the proposed project.

The proponent is advised that under section 14 of CEAA 2012, the Minister may, by order, designate a physical activity that is not prescribed by regulations made under paragraph 84(a) if, in the Minister's opinion, either the carrying out of that physical activity may cause adverse environmental effects or public concerns related to those effects may warrant the designation. Should the Agency receive a request for a project to be designated, the Agency would contact the proponent with further information.

The proposed project may be subject to sections 67-72 of CEAA 2012. Section 67 requires that, for any project occurring on federal lands, the federal authority responsible for administering those lands or for exercising any power to enable the project to proceed must make a determination regarding the significance of environmental effects of the project. The Agency is not involved in this process; it is the responsibility of the federal authority to make and document this determination.

The proponent is encouraged to contact the Agency at (902) 426-0564 if it has additional information that may be relevant to the Agency or if it has any questions or concerns related to the above matters.



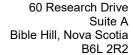


Regards,

Emily Gregus
Environmental Assessment Officer
Canadian Environmental Assessment Agency
Emily.Gregus@canada.ca
902-426-8157









Fisheries and Aquaculture

Date: 2019-06-12

To: Bridget Tutty, Environmental Assessment Officer

From: Executive Director, Policy and Corporate Services

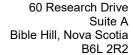
Nova Scotia Department of Fisheries and Aquaculture

Subject: Asbestos Waste Disposal Cell Project Environmental Assessment

Thank you for the opportunity to review the Asbestos Waste Disposal Cell Project documents.

The Nova Scotia Department of Fisheries and Aquaculture has no immediate concerns with the proposal based on the following comments:

- There is one licensed Land based aquaculture facility within 25 km of the proposed project area. This aquaculture site is located within the same watershed as the project area.
- There is one licensed Fish Processing Facility within 25 km of the proposed project area. This facility is located in a different watershed than the project area.
- This project proposal will not discharge any water into nearby watercourses, therefore there is not expected to be any impacts on any downstream activity related to the Fisheries and Aquaculture sectors.





Agriculture

Date: 2019-06-12

To: Bridget Tutty, Environmental Assessment Officer

From: Executive Director, Policy and Corporate Services

Nova Scotia Department of Agriculture

Subject: Asbestos Waste Disposal Cell Project Environmental Assessment

Thank you for the opportunity to review the Asbestos Waste Disposal Cell Project documents.

The Nova Scotia Department of Agriculture has no immediate concerns with the proposal based on the following comments:

- The soil classification for the proposed site is class 7 and class 3. Class 3 have moderately severe limitations and Class 7 is not suitable for agriculture.
- There are no adjacent agriculture properties and the closest agricultural land is 400 meters away. In addition, this is an existing waste facility and traffic is not expected to increase significantly.



PO Box 1617 Halifax, NS B3J 2Y3 P: 902.424.7409 E: <u>oaa@novascotia.ca</u>

Date: June 12, 2019

To: Bridget Tutty, Environmental Assessment Officer

From: Gillian Fielding, Aboriginal Consultation Advisor

Subject: Asbestos Waste Disposal Cell

Note that in Nova Scotia there is only one Aboriginal group: the Mi'kmaq of Nova Scotia. The Mi'kmaq are not stakeholders but rightsholders. Therefore, throughout the EA Registration document, please refer to the "Mi'kmaq", instead of "Aboriginal or First Nations", wherever possible.

Section 5.2 – First Nations of the EA Registration document indicates that:

"A letter of introduction and a brief description of the project was sent to Twila Gaudet, Consultation Liaison Officer (KMKNO), to Bob Gloade, Band Chief (Millbrook First Nation), and Rufus Copage, Band Chief (Sipekne'katik First Nation) via email on July 12, 2018. Chief Copage's email address was not correct on the Sipekne'katik First Nation directory, and the letter of introduction was subsequently sent to Deborah Maloney, Assistant to the Chief".

The proponent should be advised that Rufus Copage is the former Chief of Sipekne'katik First Nation. Since 2016, Chief Michael Sack has been the Chief of Sipekne'katik First Nation. Chief Michael Sack's contact information is available on Sipekne'katik First Nation's website, as well as that of the Assistant to Chief Michael Sack, Shirley Francis.



Environment

Date: June 12, 2019

To: Bridget Tutty, Nova Scotia Environment

From:

District Engineer, Inspection Compliance & Enforcement Division

Subject: Asbestos Waste Disposal Cell (Colchester Containers)

The following are my comments from the review for the above project. The comments are based on the information provided as there was insufficient information to complete the review.

Comments or Concerns to be addressed for the EA process

No	Section	Page	Comment
1	4.2	6	It has been proposed that approximately 898 tonnes of asbestos per year will deposit at the facility, what is the basis of this estimation? As the use of asbestos ended in the early 1990's, there should be declining volumes of asbestos overtime.
2	4.2	6	The anticipate area of 6000m2 per cell is provided, what is the expected volume of asbestos per cell? What is the expected density (kg/m3) of the asbestos?
3	4.2	6	What is the expected life of each cell? Are all 3 proposed cells intended to be used within the proposed 20-year life of the site?
4	4.2	6	It states that cell floor will be above the groundwater, however based on the first proposed asbestos cell on drawing 170927-02, it does not appear that the test pit depth was sufficient to support this statement. Need to verify elevation of the cell floor to test pit depth.
5	4.3.2	7	How are the bags containing asbestos be physical placed in the cell? Placement methods has to be such as not to damage the bags. Further description of handling on-site is required.
6	4.3.2	7	How will the cover material be placed on the bags? Heavy equipment traffic over the bags will not be supported by a thin cover (300mm). If the bags are compromised by heavy equipment, this could cause a release of asbestos fibers.
7	4.3.2	7	How will the covering material be consolidated/compacted as opposed to being placed as loose fill to prevent water intrusion and support traffic?

8	6.3	13	Has a storm water management plan been completed as to determine the volume of water that would be generated for the entire site
			including when the 3 proposed waste cells are remediated?
9	6.3	13	Has the ESC included the total area for the proposed 3 waste cells
			shown on drawing 170927-02?
10	6.3	13	Does the ESC ensure that surface discharge from the site to neighboring
			properties will be at pre-development levels?
11	6.3	13	Will the surface water that is collected within the cells be pumped to a
			settlement pond first to avoid the release of sediment? Will there be
			testing to ensure that there is no asbestos in the surface water?
12	6.3	13	Will the excavation of the proposed asbestos cells resulting sufficient
			cover material for the useable life of each cell or will additional cover
			material have to be sourced from other areas on the site?
13	6.3	13	Is there a proposed/designated staging area at the proposed cell(s)
			where the unloading and handling of the asbestos will occur?
14	6.4	14	If the facility has not received asbestos waste for an extended period of
			time (i.e. 20 days), will additional precautions be taken to prevent
			erosion of the existing cover? i.e. additional cover and compaction?
15	6.4	14	It states that during wet conditions, a loader or excavator may be used
			to place the bags. How will this be accomplished as the asbestos is only
			covered with only 300mm of soil and will not support heavy traffic? If
			rutting occurs, what corrective is proposed to prevent comprising the
			cover lifts?
16	6.4	14	If site conditions (i.e. rain events, windy days, etc.) do not support the
			placement of the asbestos, what is the corrective action? Will the site
			close when on-site conditions are not suitable?
17	6.4	14	How will the water within the cells be managed? If water is passing
			through the asbestos waste, any damaged bags may allow for asbestos
			to migrate.
18	6.5	15	What does progressive rehabilitation mean? Are there specific details
			associated with progressive rehabilitation that impacts the design or
			proposed capacity of the waste cells?
19	6.5	15	It states that given long life of the facility, that the site closure plan
			reclamation plan has not been designed. In preparing the storm water
			management plan and the ESC, was a preliminary closure plan used to
			determine long terms requirements?
20	6.5	15	How will the waste cell be stabilized long-term as the burying of
			asbestos in bags would not represent a consolidated material free of
			voids. Would there not be a risk of differential settlement comprising
			the final capping?
21	7.2	18	Are there no VECs for the decommissioning/reclamation phase of the
			project?
22	7.3.2.2	22	It is stated that surface flows will be directed to ESC pond(s). There are
			no settlement pond identified for the proposed asbestos site. As an ESC
			will be required for all phases of the proposed work, there should be
			some form of a water management plan that identifies the aspects of
			the ESC that need to be part of the proposed work currently.
23	7.3.2.2	22	The ESC is presented in Appendix B, however there is very little detail
			that supports an ESC. See comments for Drawing 170927-03.

Appendix I	Appendix E - Geotechnical Report			
24	4	5	The report recommended that the asbestos waste cell to be located in the area of TP 5 and 8. The proposed scope has the first waste cell located at TP 9 which was not identified as a recommended location. The variance in proposed location at TP9 should be formally amended as a recommended location. The recommendation will have to also address that the depth for TP 9 may not have terminated 2 to 3 meters below the anticipated cell evaluations.	
25	4	5	It states that sand seams should be removed. If the seams are extensive or are of sufficient length that removal is not reasonable, what would be the alternative corrective actions?	

Appendix F - Operations Manual				
26	4.4	6	States that a site-specific stormwater management plan has been developed for the site. The management plan does not appear to be included with the EA. Is a copy available for review as to ensure that there are no potential issues that could comprise the integrity of the ESC resulting in a discharge of sediment/water.	

Drawings	s 170927-02
No	Comment
27	The asbestos cell detail show site grades sloping from the center to the outside perimeter. The cell detail also shows the deposit of asbestos to start at one side of the cell and assumed to continue to be in-filled across the width of the cell in order to facilitate progressive reclamation. Why would the bottom grade of the cell not be from one end to the other to avoid water pooling against asbestos?
28	There are two asbestos waste disposal cell details. When and where would these be applied? Provided proposed cross-sections would allow for an evaluation of the proposed work. Cross sections should be representative of the site over the intended 20 years life and show all waste cells that will be created with finished grades/elevations.
29	The asbestos waste cell details show a wood debris marking layer to be placed on the cover layers. Any material that comes into direct contact or has the potential to come into contact with the sealed asbestos bags cannot pose a risk of puncturing the bags. Further information is required for the composite of the wood layer and how it does not represent a puncture risk.
30	The new cell area has a proposed cell floor elevation of 102m in the north corner which represents an approximate 3-meter excavation. Test Pit 9 depth was only 3 meters to an approx. elevation of 101.4m. The geotechnical report states that all test pits were terminated 2-3 meters below the anticipated cell elevations. Test Pit 9 would have to completed to an approximate depth of 5-6 meters or an elevation of 98-99 meters. Required Test pits depths will have to be verified to ensure proximity to groundwater or the presence of potential unsuitable material such as sand/gravel seams. Additional test pitting would be required to support assumptions/conclusions.
31	Anticipated cell profiles/cross sections should be provided to show the intended cell layout/construction, including cell drainage, depth of bury and final capping elevation.

32	There is limited detail as to how the ESC program is or will be applied to the facility other than surface water flow directions. Are siltation ponds required as part of construction and operations to protect the downstream wetland?
33	There is no staging area provided in the drawings or associated surface water control.
34	The detail for equipment entry into the cells is not shown. Is the native material suitable for equipment traffic without damaging the cell sides? During wet conditions, would there be restrictions on the entry of equipment without improving the structural carrying capacity of the cell side(s)?

Drawings	170927-03
No	Comment
35	The drawing does not show any significant ESC detail other than general drainage flows. The drawing has erosion and sediment control notes which appear to place the onus on determining the ESC requirements on the contractor during construction. Additional detail is required as to provided minimal ESC control requirements. The impact of the existing overland flow from the northern area of the property has to be accounted in the ESC. Given the relatively short construction timeline for this project, it unlikely that a 3rd party contractor would have the knowledge or be expected to be held accountable for pre-existing flows entering the construction site. Additional detail is required regarding how different site conditions (construction & operations) will impact the quality and quality of surface flows and the necessary control measures required.

Comments or Concerns to be addressed during the Approval process

No	Section	Page	Comment
1	6.4	14	There is a general statement that shipping documents will be reviewed for conformance to the NSE Asbestos Waste Management Regulations. However, there is no further methodology as to how the other requirements of the Regulations will be adhered to. Further explanation as to how the site-specific operations will comply with the Regulations is required.
2	6.4	14	What is the process if asbestos is delivered to the site that is improperly contained or contained in a manner that could result in a release of asbestos fibers? i.e. multiple bags. Contingency plan speaks to minor issues through the use of handheld water sprayers. The plan states if more water is required, a water truck would be sourced. The use of larger volumes would trigger a number of issues such as containing and disposing of the contaminated water and soil.
3	6.4	14	The existing access gate is located after the asbestos site, is additional security proposed to prevent unauthorised access to the asbestos disposal site? Will the current access gate be re-located south of the proposed asbestos site?

Ī	Appendix I	Appendix D - Contingency Plan			
	4	2.2.1.2	The Plan will have to be expanded as it is too general in nature. The Plan should include actions to address issues such as a person that may become contaminated that is not wearing protective		
			clothing/equipment.		

5	2.2.1.2	Either as Standard Operations Practice (SOP) or in the Plan, there should be a process as how the PPE is disposed of at the end of the workday or after receiving and burial of the asbestos. Will all PPE be reused every day? Is there a disinfection/cleaning process required if PPE is to be reused?
6	2.2.1.2	Will the unloading of the asbestos only be completed by site employees? Should there be restrictions for 3rd parties not to be present during the unloading or handling of the asbestos encase there is a release?

Appendix F - Operations Manual					
7	3.2.1	4	The Manual states that shipments that do not conform to the NSE Asbestos Waste Management Regulations will be rejected. Clarification is required as to what specific issues/situations would be cause for rejection. For example, if the package asbestos arriving on-site is comprised or becomes comprised by handling, will the repackage of the damaged be completed on site by the hauler or Colchester Containers (see Section 11 of the Regulations)? Section 3.2.4 refers to repairing/repackage of damage asbestos, is this only for damage that occurs after accepting asbestos or to asbestos that arrives damaged?		
8	3.2.2	4	It states that asbestos will be buried within 24 hours of receipt at the site. It does not appear that the facility will have additional security, such as fencing. What mitigating actions will be taken to ensure that the asbestos is not readily available to damage by 3rd parties outside of normal working hours? Will all asbestos be buried at the end of each business day?		
9	3.2.4	5	If excessive wetting of damaged asbestos is required, how is the water contained and disposed of?		



Department of Municipal Affairs and Housing

Maritime Centre, Floor 14 North 1505 Barrington Street PO Box 216 Halifax, NS B3J 2M4

Date: June 12, 2019

To: Bridget Tutty, Environmental Assessment Officer, Environment

From: Gordon Smith, Provincial Director of Planning

Subject: Environmental Assessment Review: Colchester Containers Ltd.

As requested, staff at the Department of Municipal Affairs and Housing have reviewed the Environmental Assessment Registration Documents for the proposed Colchester Containers Ltd. Asbestos Waste Disposal Cell.

From the perspective of our Departmental mandate, we have no comments to submit to Environment.

Thank you for the opportunity to review the Registration Documents for the above-noted project. Should you require additional information, please feel free to contact either Alan Howell, Senior Planner / Alan.Howell@novascotia.ca), or me (. Gordon.Smith@novascotia.ca).

Yours truly,

Gordon Smith

Provincial Director of Planning

c: Alan Howell, Senior Planner, DMAH



Barrington Place 1903 Barrington Street Suite 2085 Halifax, Nova Scotia Canada B3J 2P8

Environment

Date: 11-06-2019

To: Bridget Tutty, Nova Scotia Environment

From: Michelle Miller, Climate Change Unit

Subject: Asbestos Waste Disposal Cell Project

GHG mitigation

The proponent indicates potential atmospheric impacts of clearing and grubbing operations because of emissions from on-site equipment operation and trucks transporting on- and off-site. The proponent has not provided an estimation for greenhouse gas emissions to be released during clearing and grubbing but this is not requirement. It is expected that the additional impact of the project on Nova Scotia greenhouse gas emissions will be minimal and will be captured by the reports of fuel supplier emitters under the Nova Scotia Greenhouse Gas Quantification, Reporting, and Verification Regulations.

The proponent proposes to mitigate the emissions by using properly sized and maintained equipment and keeping idling of equipment and vehicles to a minimum. These are acceptable mitigative measures for the level of anticipated emissions.

 From:
 Tan, Minh

 To:
 Tutty, Bridget R

 Cc:
 Mitchell, David A

Subject: DoB Response to Colchester Date: June 14, 2019 11:23:22 AM

Hi Bridget,

Thank you for the opportunity for the Department of Business to provide comments on the Environmental Assessment by Colchester Containers Limited. Our response is:

"The proposed project is not inconsistent with the mandate of the Department of Business."

Please let me know if you have any questions. Thank you.

Minh Tan

Corporate Strategist

Department of Business T. (902) 424-1728

A. 1660 Hollis Street, Suite 600 Halifax, NS B3J 1V7



MEMORANDUM

TO: Bridget Tutty, NS Department of Environment

FROM: Department of Lands and Forestry

DATE: June 14, 2019

RE: Asbestos Waste Disposal Cell Project

The Department of Lands and Forestry provides the following comments on the above project:

Crown Lands:

This project is not on Crown lands and would not require any approvals/authorities from Land Administration.

Wildlife, Wildlife Habitat and Surveys:

The Department recommends that the following mitigation measures be considered as conditions of approval for the project:

- 1. Site preparation activities that may include cutting, grubbing or clearing of vegetation should not take place between April 15th and August 31st. The areas that will be cleared and grubbed should be clearly identified during development in order to minimize the extent that will impact surrounding vegetation and ecological features. Establish a re-vegetation program of native plants at the site as soon as possible during development of the site.
- 2. It is recommended that the proponent ensures standard practices are established during development, construction and operation of the site to prevent wildlife interactions that may result in entanglement, entrapment or injury. As part of daily operations staff should be trained to survey the site, identify issues and consult as appropriate for solutions when wildlife is found to be utilizing artificial or existing habitat conditions during the operation of the site.
- 3. Turtles were not identified on site during surveys; however, occurrence records indicate observations as close as 1km to the site. It is recommended that the

proponent develop a mitigation plan in the event that wood turtle or snapping turtle are encountered during development or operation of the site. Any observations of turtles on site should be reported to the Lands and Forestry Regional Biologist for guidance.

4. It is the responsibility of the proponent to ensure compliance with federal and provincial legislation and regulations around resident, migratory, and at-risk bird species and their habitats; including but not limited to *Species at Risk Act, Migratory Bird Conventions Act, NS Endangered Species Act, NS Wildlife Act* and their regulations.



Environment

Barrington Place 1903 Barrington Street Suite 2085 Halifax, Nova Scotia Canada B3J 2P8

Date: June 14, 2019

To: Bridget Tutty, Environmental Assessment Officer

From: Coordinator Special Places, Culture and Heritage Development

Subject: Asbestos Waste Disposal Cell (Colchester Containers)

Staff of the Department of Communities, Culture and Heritage has reviewed the EA document for the Asbestos Waste Disposal Cell (Colchester Containers) and have provided the following comments:

Archaeology

Staff reviewed the Registration Document and have no archaeological concerns. However, the recommendations noted in the Archaeological Impact Assessment report by Davis MacIntyre and Associates, Appendix L, should be in the main body of the EA document in section 7.5, page 35.

Botany

Staff reviewed the Registration Document and have no botanical concerns. The impacts on species at risk, plants and lichens appear to be minimal, and the property does not fall within a high-likelihood zone for the presence of rare species.

Paleontology

Staff have reviewed the Registration Document, and and the information about bedrock geology and surficial geology is consistent with reported details for the area. No significant fossil occurrences are known in the area. As there are no plans to reach down to bedrock geology, the only concern is the surficial geology. There is a small chance that Pleistocene aged fossils may be encountered within the sediment, including bones of Mastodons or other large megafauna. Likelihood of fossils being at the site is low, but should anything significant be encountered, contact the Nova Scotia Museum for examination.

Zoology

Staff have reviewed the Registration Document and note the following concerns. The document contains several of what appear to be auto spell correction function errors for the spelling of scientific names.

There is an error in 7.3.5.1. h for the listing of a species that does not occur in these latitudes (Myodes rutilus). It is recommended that contemporary listings of species with current taxonomic basis are consulted.

In that same section there is a note that "Due to a lack of wetlands and streams, no aquatic or semi aquatic mammals were observed." The lack of those habitats is not a determinant of the presence or use of that area, either seasonally or for migration, by "aquatic or semi-aquatic mammals".

In addition, the lack of "singing" or chorusing of amphibian species does not indicate their absence from the area. The presence of standing or running water (even in "ditches") is a form of wetland habitat, be it ephemeral or artificial. With the April/May field work, a survey of standing or moving waters would have had utility in showing the presence of amphibian eggs. Appendix H figure 3 shows a stream in a forested wetland habitat. If this is from the site, then the reference to lack of wetland habitats and streams is incorrect.

The 3 species of bats are listed as species of concern. However, these species are endangered. The use of the appropriate terms is recommended. This is the term used in the ACCDC report found in Appendix I of this document.

Appendix J notes no fish habitat however, as noted in Appendix I there is at least one stream. Whether the habitat is continually used, seasonally used (spawning), or a source of "drift" invertebrates supporting fish productivity further down-stream, it is part of the broader definition of Fish Habitat. It is recommended that the context of the term is clearly defined.

Appendix J also states that "Bats could be present during migration or foraging, but not likely dependent upon the property as habitat". To begin with, the three species noted in the document are resident, so may exhibit diurnal migration relating to foraging, and later in the season to swarming. The term "migrating bats" is usually reserved for the long-distance migrating species (in Nova Scotia those are Hoary bat, Red Bat and Silver-haired bats; none of which are mentioned in the document). Without a field survey, this is an unsupported statement. There should have been a field evaluation, or citation of studies in the nearest area.

In summary, the specific potential impacts on Species at Risk and faunal habitats on the site and downstream and downwind habitats are probably low, but the report, as presented does not reflect that in a convincing manner.

This response has been written with the full understanding that the Nova Scotia Museum has no mandated role regarding such faunal reviews. However, within the context of the NSM role, in documenting the fauna of the Province, both geographically and temporally, it is noted that the faunal section is lacking the rigour that is expected in an Environmental Assessment Document.



Barrington Tower 1894 Barrington Street Suite 1800 PO Box 442 Halifax, Nova Scotia Canada B3J 2P8

Date: June 14, 2019

To: Bridget Tutty, Environment Assessment Officer, EA Branch

From: Gordon Check, M.A.Sc., P.Geo. FGC

Senior Hydrogeologist, Sustainability and Applied Science Division

Subject: Review of Asbestos Waste Disposal Cell (Colchester Containers) Report,

2019

Reviews for EA's from the Sustainability and Applied Science Division Hydrogeologist focus on the potential for the proposed undertaking/project to adversely affect groundwater resources, including general groundwater quality and local water wells/water supply.

The reviewed document is a Class 1 Environmental Assessment Report, Highway 2890, Middle Stewiacke, Nova Scotia. The undertaking is the construction and operation of a proposed Asbestos Waste Disposal Cell at the existing Colchester Containers Limited Construction and Demolition (C&D) waste disposal site. Englobe Corp. prepared the EA registration document.

Comments

1. The nearest Municipal Water supplies shown in mapping relative to the undertaking are approximately 15-20 km from the site at Lepper Brook (Town of Truro) and St. Andrew's River (Stewiacke).

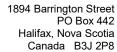
The proponent identifies 96 water wells within a 5 km radius of the site, with the nearest well 1.2 km from the site, as found in the Nova Scotia Environment Well Logs Database (WLB). The wells are largely in the community of Middle Stewiacke along Highway 289 and downgradient topographically from the proposed site.

However, it should be noted that the Well Logs Database Records and any mapping based on these records need to be considered in terms of locational errors/accuracy of the original data. In addition, the Well Logs Database does not contain a complete listing of every water supply well in the province and some areas may contain water supply wells not reported. Field truthing and field surveys for actual water supply well locations would be needed for verification.

- 2. The nearest Public Registered Drinking Water Supply (groundwater source) is a restaurant located approximately 2 km from the site in Middle Stewiacke.
- 3. Groundwater was identified as a Valued Environmental Component (VC) by the proponent (Section 7.2). There are no anticipated alterations or impacts to groundwater from the proposed activity identified by the proponent.
- 4. Asbestos consists of insoluble mineral fibres. Although the fibres may be very fine they are generally not considered mobile in groundwater in the subsurface. Thus, there is no apparent concern for the migration of asbestos in groundwater.
- 5. Groundwater monitoring at the adjacent C&D site is proposed to be used and upgraded with the addition of 1 up-gradient well. Groundwater monitoring is more appropriate for the C&D disposal and not very relevant to the asbestos disposal.
- 6. Mitigation measures are proposed by the proponent for operational spills (from vehicles).
- 7. The asbestos waste disposal proposal on its own does not raise major concerns for groundwater impacts, as long as no other contaminated material is co-disposed with the asbestos. It is recognized that the proponent is somewhat coupling the operations and maintenance of this facility with the existing C&D facility.

Recommendations

Recommended that the depth of disposal of asbestos waste be at least 1 metre above the maximum seasonally high, water table level. This is mainly to avoid potential problems from construction related groundwater disturbances, including the potential for hydrocarbon contamination spills from operational equipment, as well as the potential for co-disposal of contaminants with the asbestos waste.





Date: June 14, 2019

To: Manager, Water Management Unit

From: Surface Water Quality Specialist, Water Management Unit

Subject: Colchester Containers Limited Class 1 Environmental Assessment Report –

Review Comments & Recommendations

Scope of Review

As Senior Surface Water Quality Specialist with the Nova Scotia Environment (NSE) Sustainability and Applied Science Division, the following Colchester Containers Limited Class 1 Environmental Assessment (EA) review focuses on the following subjects:

- Surface water quality & its management
- General surface and groundwater resources, and fish and fish habitat & their management & their management

The following review considers whether the environmental concerns associated with the above subjects and the proposed mitigation measures have been adequately addressed in the Environmental Assessment. The recommendations provided below are meant to supplement the actions outlined in the EA submission documents.

While general comments on fish and fish habitat, wetlands, surface water quantity, and groundwater quality and quantity may be included below, applicable technical specialists should be consulted for specific review and comment.

Reviewed Documents

The following document was the basis for this EA review:

Englobe. 2019. Class 1 Environmental Assessment Report Highway 289, Middle Stewiacke, Nova Scotia. Final Version. Colchester Containers Limited. P-0011963-0-01-201.

Comments

General

• The Project area includes an existing construction and demolition debris disposal site operated under NSE Industrial Approval 2008-063121-T01 (Section 3.2).

Surface Water Resources

• The site is in the drainage area for two adjacent provincially mapped headwater

- watercourses, Bear Brook and Rutherford Brook (Section 6.1). Based on local topography the proposed site for the three 6,000 m² asbestos disposal cells is within the drainage area for Bear Brook. Both Bear and Rutherford Brooks are within the Stewiacke River watershed, which eventually discharges into the Shubenacadie River that empties into the Bay of Fundy. There is no mapped watercourse channel within the proposed disposal cell development area.
- The Project area is designed to drain towards existing and proposed drainage swales and ditches (Section 6.1). Within the swale and ditch system is an existing settling pond. The existing and proposed drainage network discharges into an overland flow area where flow has been observed to not be channelized. There is a wetland downstream of the overland flow area that drains into an unmapped watercourse that eventually empties into Bear Brook.

Fish & Fish Habitat

- There is no fish habitat identified within the Project area (Section 7.3.6.1). Surface Water Quality
 - Section 7.3.2.1 discusses baseline surface water quality conditions within the Project area, including general discussion of surface water quality results from three monitoring sites within Bear Brook sampled semi-annually associated with the existing construction and demolition debris landfill area. Appendix F provides a list of the monitoring parameters within the existing Operations Manual and Contingency Plan. Results are discussed qualitatively, including comparison to Canadian Council of the Ministers of Environment Freshwater Aquatic Life guidelines with respect to observed trends and exceedances. Observed water quality exceedances are indicated to be similar between the upstream/ background monitoring site (SW1) and sites located downstream of the landfill area (SW2 and SW3). Results are indicated as being provided to NSE for review with no responses received to date from the Province with respect to compliance issues. No quantitative water quality results from the monitoring program are presented within the Class 1 EA report, including comparison to the above listed guidelines.
 - Detailed drawings are provided for the proposed drainage swales around Cell #1 (new cell area) (Appendix B), including proposed check flow dams with straw bale interiors as erosion and sediment controls. Temporary drainage swales are proposed to go around Cell #1 to divert clean water away from the new cell area. A silt fencing detail is also provided within the drawing set.
 - Water that collects within each newly constructed disposal cell area is planned to be pumped from a sump area within each cell to ESC measures prior to discharge into the drainage ditches and swales. Whether the water will be pumped into the existing settling pond is not identified as a specific measure.
 - No details are provided on the existing design, sizing/storage volume, level of treatment and operation for the existing ESC pond that will receive drainage water from the site and potentially pumped water that collects within an active, open disposal cell. No discussion is provided on whether the ESC pond will be redesigned or sized to support the Project area works.
 - The Class 1 EA report lists that the existing surface water quality monitoring program will be updated to be inclusive of the Project area works (Section 7.3.2.2). No proposed monitoring station locations are identified within the report.
 - Completed cells will have a final clay cap that is stabilized with seeding and vegetation plantings that will be installed to reduce the active operation and

exposed soil areas (Section 4.2).

Surface Water Quantity

- No design details are provided on the existing and proposed drainage ditch swale design. This would be particularly important to ensure they will be adequately sized (volume and materials) to handle surface water runoff from the site drainage area prior to discharge to the overland flow receiving area. With the expected project activities of changing from coniferous and mixed species forested lands to exposed and compressed soils during the construction and operations phases it would be expected there would be an increase in surface water runoff from the site.
- As discussed above the existing settling pond design details are not provided within the Class 1 EA report with respect to storage volume and design flows. With the expected changes to land uses at the site there would be expected to be an increase in surface water runoff from the site to be received by these drainage systems. Settling ponds should be designed so that the postdevelopment flow conditions match pre-development flow conditions to reduce peak flow rates and erosion potential.

Groundwater Quantity & Quality

- A minimum of 1 m of low permeability soil (minimum permeability of 1x10⁻⁵ cm/s) will be cell base thickness and will also be placed over bedrock if it is encountered (Section 4.2; 7.3.1.2). The cell design proposes to install the base of the cell a minimum of 1 m above the local groundwater table. The separation distance from the groundwater table does not indicate that the minimum separation distance is to the bottom of the cell base layer or the open bottom of the cell base.
- Proposed disposal cell base elevations are proposed for the initial cell to be constructed and no elevations are provided for the other two future cells (Appendix B, Drawing 170927-02).

Recommendations

Operational Issues/Other Permitting Processes Surface Water Quality

- Prior to project construction, provide an erosion and sedimentation control plan, developed by a qualified professional engineer or geoscientist, licensed to practice in the Province of Nova Scotia, to the Department for review and acceptance. The Approval Holder shall implement the plan once the plan is deemed acceptable by the Department.
- A revised surface water quality monitoring program should be established to
 monitor potential effects from the Project area activities. This plan shall be
 submitted to NSE staff for review and approval prior to implementation. Annual
 water quality reports with assessment of potential effects from Project area
 activities and updates on implementation and efficacy of mitigation measures
 should be prepared and submitted to NSE staff for review and approval during
 the operations phase.

Surface Water Quantity

 Prior to project construction, provide a stormwater management plan for the drainage swales/ditches, ponds and other drainage infrastructure to the Department for review and acceptance. This plan shall include final design details and supporting rationale completed by a qualified professional engineer or geoscientist, licenced to practice in the Province of Nova Scotia, including details to support the mitigation of scour from discharge, matching pre- and post-development surface water runoff discharges, collection and treatment of surface water runoff, management of collected water pumped from active cells and consideration for the potential impacts of climate change on sizing requirements. The plan should include project discharge locations, monitoring requirements and criteria. The Approval Holder shall implement the plan once the plan is deemed acceptable by the Department.

Groundwater Quantity & Quality

• Clarification should be provided to indicate that the bottom of the constructed disposal cell base will be a minimum of 1 m from the local groundwater table.



Barrington Place 1903 Barrington Street Suite 2085 Halifax, Nova Scotia Canada B3J 2P8

Environment

Date: June 12, 2019

To: Bridget Tutty, Environmental Assessment Officer

From: Environmental Health Consultant,

Environmental Health & Food Safety Unit

Subject: Colchester Containers Asbestos Waste Disposal Cell EA

Scope of review:

A review of the above-noted EA was undertaken by the regional Environmental Consultant in consultation with the regional Medical Officer of Health to assess potential public health impacts associated with the construction, operation, and decommissioning of the proposed undertaking.

Documents reviewed:

The documents outlined below formed the basis for this EA review:

Colchester Containers Limited Class I Environmental Assessment Report Highway 289,

Middle Stewiacke, Nova Scotia

Comments

- The proponent currently operates and C&D disposal facility under Approval from NSE. The proponent is seeking to construct and operate three 6,000m2 cells over the life of the project (20 plus years). The project area is 1.8ha in size, and it's anticipates that the site will dispose of 898 tons of asbestos waste per year.
- Asbestos is a known human carcinogen that is responsible for a variety of chronic diseases in humans. There is potential for the public to be exposed to asbestos containing material (ACM) during the delivery, handling and disposal of asbestos waste at the proposed facility. The nearest residential property is roughly 1.5 km from the disposal site property.
- The proponent estimates that the addition of the asbestos waste cell(s) will
 increase truck traffic along highway 289 by one to two truck per week. The
 transportation of asbestos waste is regulated under the *Transportation of Dangerous Goods (Canada)*.
- The proponent has developed an Operations Manual and Contingency Plan aimed at controlling the release of ACM to the environment, including air, and where an accidental release does occur, mitigating any effects to the environment and human health.

 Section 4.1 of the EA states, "Currently, there are no facilities in Truro or nearby surrounding communities that provide asbestos waste disposal services." Table 4.1 of the EA reports that the nearest approved asbestos waste disposal facility is located in Pictou County, 75km from the proposed site. Recent news reports dispute this claim confirm that that municipality of the County of Colchester operates an approved asbestos waste disposal site in Kempton.

Conclusion

It is anticipated that this undertaking can be carried out in a manner that substantially controls any release of ACM to the environment, and where accidental releases do occur, impacts to the environment and human health can sufficiently mitigated. Provided staff understand and comply with the Operation Manual and Contingency Plan, potential impacts to public health associated with this undertaking is deemed to be negligible.



Barrington Place 1903 Barrington Street Suite 2085 Halifax, Nova Scotia Canada B3J 2P8

Environment

Date: June 14, 2019

To: Bridget Tutty, Nova Scotia Environment

From: Kelly McNally, Inspector Specialist

Subject: Asbestos Waste Disposal Cell - Colchester Containers Limited

Any alteration to a wetland requires a Wetland Alteration Approval from Nova Scotia Environment. Alteration is defined as filling, draining, flooding, or excavating a wetland

The handling and disposal of asbestos waste must meet Nova Scotia Environment's Asbestos Waste Management Regulations

Colchester Containers Limited must apply to Nova Scotia Environment to amend the existing Construction and Demolition Approval to include the Asbestos Waste Disposal Facility



Environment

Barrington Place 1903 Barrington Street Suite 2085 Halifax, Nova Scotia Canada B3J 2P8

Date: June 17, 2019

To: Bridget Tutty, Environmental Assessment Officer

From: Chuck McKenna, Manager Resource Management Unit

Subject: Asbestos Waste Disposal Cell – Colchester Containers

Staff with NSE's resource management Unit have reviewed the environmental assessment report submitted by Colchester Containers Limited for the construction of an asbestos waste disposal facility.

Asbestos disposal cells are to be constructed and operated in accordance with the Asbestos Waste Management Regulations and the Nova Scotia Guidelines for Construction and Demolition Debris Disposal Guidelines. This includes the requirement for a minimum of 1 m of soil with a hydraulic conductivity of 1 x 10-5 cm/sec or less between the lowest elevation of the waste and the highest elevation of bedrock.

The facility must not accept any material that contains other hazardous characteristics including but not limited to material contaminated with lead paint or other heavy metals. An inspection program is required for waste haulers upon arrival to ensure the asbestos waste is packaged appropriately. Detailed plans and specifications are required on how unacceptable wastes will be handled prior to return to the generator.

Only waste that has been double bagged or packaged in equivalent or greater standards should be accepted at the facility for disposal. Asbestos waste shall not be stockpiled for burial at a later date.

Caution must be exercised to ensure that bags or containers are not broken open before they are covered. If an asbestos container is ruptured, it must be re-packed by trained personnel prior to burial.

The facility must develop detailed plans on when waste disposal operations are to be suspended due to inclement weather and poor site conditions. Detailed plans and specifications are required for a staging area for transferring asbestos waste from a delivery vehicle to a facility loader or excavator.

The contingency plan for the facility must be updated in accordance with the Nova Scotia Environment Contingency Planning Guidelines. The plan must detail the potential worst-case incident and ensure the resources are available to respond (e.g. sufficient. quantity of water and ability to apply it). Allowing asbestos waste to migrate to the surrounding wooded area is not permitted.

Cover material for the waste shall not include waste material unless approved by an Administrator.

From: <u>@eastlink.ca</u>

To: <u>Environment Assessment Web Account</u>

Subject: Proposed Project Comments

Date: May 22, 2019 5:12:15 PM

Project: asbestos_waste_disposal_cell_project Comments: I have read the Environmental Assessment Application and feel that the proponent has done a thorough job of considering all of the pertinent potential risks associated with this project, with the exception of one: the transportation of the material of concern asbestos to the site, and mitigation of any accidental release of airborne material approaching or on-site. I realize that may be outside the immediate purview of Nova Scotia Environment, but it certainly is within the scope of concerns that the community residents should and do have. I feel that, given the nature of the subject hazardous product and the fact that its primary known health risk is via respiration or ingestion of airborne particulate, it is essential that the proponent and/or the province through Nova Scotia Environment or Transportation and Infrastructure Renewal provide a very real and active plan to monitor trucks approaching the proposed site on Route 289 for properly covered and contained loads. Any such monitoring should occur as close to the site of origin of the load as possible but in any event no closer than the intersection of Route 289 and Trunk 2. It would appear that the transporting agencies will be required to notify the proponent before planning to make a delivery of asbestos waste material, therefor it should impose no undue hardship for the same agency or the proponent to notify NSDoTIR Commercial Vehicle Safety Compliance Inspectors of the planned shipment of same. Name: Email:

@eastlink.ca Address:

From: <u>@eastlink.ca</u>

To: <u>Environment Assessment Web Account</u>

Subject: Proposed Project Comments

Date: May 22, 2019 5:12:15 PM

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@eastlink.ca Address:

From: @gmail.com

To: Environment Assessment Web Account

Subject:Proposed Project CommentsDate:May 22, 2019 4:03:21 PM

Project: asbestos_waste_disposal_cell_project Comments: Im curious if these findings were considered? And also Im wondering why, since asbestos can be rendered completely harmless by burning it, why burying it is being considered as it remains a threat and will need monitoring for decades. Burning, in fact, would be much cheaper in the longrun. https://www.asbestos.com/news/2016/09/14/new-study-asbestos-fibers-move-soil/?fbclid=IwAR2GZgl7J0R-

58pWnWhVa5awh_QSE17uXkBuCLKYrYUdoAB97NwTxZb6gKY Name:

Email: @gmail.com Address:

From: <u>@viu.ca</u>

To: <u>Environment Assessment Web Account</u>

Subject: Proposed Project Comments

Date: May 23, 2019 2:11:43 PM

Project: asbestos_waste_disposal_cell_project Comments: With all due respect it makes no sense to me that you would put an asbestos waste disposal cell in middle Stewiake, NS., as the health hazards for exposure to asbestos for humans is well documented, and scientifically sound see below. The chemical principle of fugacity meaning that any chemicals we dump into soil, air and water change phase solid to liquid to gas and move through soil, water and air in ways we cannot predict. This movement of hazardous waste contaminates the environment and we know this, and science journals have documented this. It makes no sense to put this site here except it is another example of how Aboriginal people are marginalized as Indian Brook is in Middle Stewiake. How sad you would put an asbestos waste disposal site here knowing full well of how it destroys the health of people and the environment, and it makes no sense to me. What are the health hazards of exposure to asbestos? People may be exposed to asbestos in their workplace, their communities, or their homes. If products containing asbestos are disturbed, tiny asbestos fibers are released into the air. When asbestos fibers are breathed in, they may get trapped in the lungs and remain there for a long time. Over time, these fibers can accumulate and cause scarring and inflammation, which can affect breathing and lead to serious health problems 6. Asbestos has been classified as a known human carcinogen a substance that causes cancer by the U.S. Department of Health and Human Services HHS, the U.S. Environmental Protection Agency EPA, and the International Agency for Research on Cancer IARC 2, 3, 7, 8. According to IARC, there is sufficient evidence that asbestos causes mesothelioma a relatively rare cancer of the thin membranes that line the chest and abdomen, and cancers of the lung, larynx, and ovary 8. Although rare, mesothelioma is the most common form of cancer associated with asbestos exposure. There is limited evidence that asbestos exposure is linked to increased risks of cancers of the stomach, pharynx, and colorectum 8. Asbestos exposure may also increase the risk of asbestosis an inflammatory condition affecting the lungs that can cause shortness of breath, coughing, and permanent lung damage and other nonmalignant lung and pleural disorders, including pleural plaques changes in the membranes surrounding the lung, pleural thickening, and benign pleural effusions abnormal collections of fluid between the thin layers of tissue lining the lungs and the wall of the chest cavity. Although pleural plaques are not precursors to lung cancer, evidence suggests that people with pleural disease caused by exposure to asbestos may be at increased risk for lung cancer 2, 9. Erionite has also been classified as a known human carcinogen by IARC 8 and by HHS 3. It is not currently regulated by the EPA. Name:

From: @nncweb.ca

Environment Assessment Web Account Proposed Project Comments To:

Subject: Date: May 25, 2019 5:25:37 PM

Project: asbestos_waste_disposal_cell_project Comments: Why wasnt I has a landowner bordering this property notified Name: Email: @nncweb.ca Address: From: <u>@nncweb.ca</u>

To: <u>Environment Assessment Web Account</u>

Subject:Proposed Project CommentsDate:May 31, 2019 12:55:02 PM

Project: asbestos_waste_disposal_cell_project Comments: I have written a letter to the Environment Department concerning this project. This is a very dangerous and unnecessary project being imposed on our community of Middle Stewiacke. I trust the department will consder the points I raise in the letter when it arrives next week. Name:

Email: @nncweb.ca Address:

From: <u>@seasidehighspeed.com</u>
To: <u>Environment Assessment Web Account</u>

Subject: Proposed Project Comments

Date: June 1, 2019 9:28:25 AM

Project: asbestos_waste_disposal_cell_project Comments: I am opposed to an asbestos dump in our community. There is already an existing dump that is designed for handling hazardous waste located in Colchester County at Kemptown. It is strictly regulated, monitored, and is capable of holding vast amounts of HazMat waste. Why do we need another one? P.S. This site is not listed in the provinceâ?Ts list of dumps that take hazardous materials. Name:

Email: @seasidehighspeed.com Address:

From: @gmail.com

To: <u>Environment Assessment Web Account</u>

Subject: Proposed Project Comments

Date: June 1, 2019 9:11:20 AM

Project: asbestos_waste_disposal_cell_project Comments: I am a complete NO to this project. If there was nothing wrong here, it would have been presented in the light of day. The way the permitting approval was hidden tells me straight up this is a bad thing. Especially on a hill with the water issues. Name:

Email: @gmail.com Address:

Dear Mayor Blair and Councillors,

Re: Proposed site of Asbestos dump in Middle Stewiacke.

As per our conversation on Friday evening at the public meeting of concerned citizens which was held in Middle Stewiacke regarding the proposed asbestos disposal site, the proposal which was made by the company Colchester Containers. The proposed site would be located in Middle Stewiacke off highway 289, at the edge of the village.

On behalf of our community we ask for the support of Council in our stand against the proposal, we as a community request a delay to the timeline of the proposal and are asking for an abeyance until the new hazardous materials regulations, as described to us by Councillor Tom Taggart, come into effect. The community also heard from Councillor Geoff Stewart that there is a facility in Kemptown that already accepts this type of waste, so we question why a dump would be needed in Middle Stewiacke.

The citizens of the community feel that this is an important issue directly affecting our wellbeing and has raised many questions and concerns of both a health and environmental nature. The community would like to ensure that our Health, and our natural assets are protected, our river, our air quality and our Farmland, in this predominantly farming Valley.

The community has only just recently been made aware of the proposal made by the company Colchester Containers and we feel we have only been afforded a small window of time to become educated on the subject and respond before the deadline of June 15th 2019. It has also been discovered that not all of the property owners who boundary the proposed site were sent the notice of intent or given the opportunity to respond.

We hope that with the support of Council we could apply for the delay, and abeyance and ensure a healthy future for our vibrant community. Yours Sincoral.

On behalf of the community of Middle Stewiacke.

Environmental Assessment Branch Nova Scotia Environment P.O. Box 442 Halifax, NS, B3J 2P8

To whom it may concern,

I am writing to express my serious concerns in regards to the proposed asbestos disposal site in Middle Stewiacke located off highway 289 in Colchester County.

Based on these concerns, I would like to request an abeyance or a rejection of said proposal.

Public Relations and Community Conduct

There are concerns about the magnitude and duration of this project, and the way through which it was communicated to community members. The amount of hazardous goods that are anticipated over the next 20 years are extremely large and therefore a cause of concern. The communication of the project to community members was essentially non existent. One would expect that with a project of this size, that the company in question CCL, would have a public forum, as a measure of good faith to share information, legislation and hear concerns of community members. This company, so far has failed to gain the confidence of the community. We, the constituents of Middle Stewiacke and surrounding areas, lack trust and transparency that this company will act in the best interests of our community and environment.

Location of Proposed Asbestos Site

There is an existing site, in Colchester county that currently accepts Asbestos and other hazardous materials. The Kemptown Balefill Facility is a site that is highly monitored, regulated, and already certified and prepared to receive asbestos. I would also like to draw your attention to the geographical makeup of the Stewiacke Valley, and the current location of the CCL site. The village is situated on the floor of the valley, while the construction and demolition waste site is located at a higher elevation, uphill of homes, farms, and livestock. We are concerned, with runoff, and air current and air flow throughout the valley.

Transportation

I am concerned with the value of the property that I own in the vicinity of this proposed hazardous materials site. It is expected, as shown in other areas of the province, in similar situations that adjacent property values depreciate. The current hazardous materials disposal site, located in Kemptown, established an agreement with the surrounding community in which it offers compensation to residents for depreciated land values when they attempt to sell their homes. Will Colchester Containers Limited, or the Province of Nova Scotia enter similar compensation agreement with the residents of Middle Stewiacke if said proposal goes through?

Monitoring and Future Site Maintenance

How often will the site be monitored, and by whom? Will there be testing on air, soil, and water? What is the radius from the proposed cells that this testing will be done? How can we as citizens be assured that this testing will be done by a reputable, impartial third party. We would also like assurances, that this potential approval will not lead to other hazardous materials being placed here at a future date. Who will maintain the site after it has been reclaimed? Is there a plan for eternal maintenance of this area? Who is responsible for this site financially once it closes?

Environmental Assessment

There are some overall concerns with the more basic parts of the actual assessment. The fact that the site was visited on only 3 dates, in only one season raises some concerns. We live in an environment rich in diversity throughout the year, and much of our diversity in our particular area fluctuates with the seasons. Conditions at the proposed site vary significantly according to the season. The surrounding wetlands, flora and fauna are a treat to behold in any season. It is my opinion that the fact that the site visits which were limited at best, and don't take into account seasonal changes, and therefore, fail to account for the incredible biodiversity in the area.

As I am sure you are aware, of most concern would be the potential health risk, should the asbestos become airborne. The carcinogenic qualities of asbestos, when it is airborne, and the risks associated to its inhalation are well documented. Airborne asbestos particles, via transportation or a "spill" at the site would be of particular concern to those with under developed or otherwise compromised respiratory systems. Also there is cause for concern of the effects of minor long term exposure to those of average health, as well as pets and livestock.

I would like to express that as a member of this community and surrounding area, that the public notification that was posted on May 16 does not give community members an adequate time frame to gather information and ask questions to the involved parties. Nor does the short time span for public comments, allow for timely responses to pertinent questions and concerns from the involved parties.

I, am a concerned resident of Colchester County who does not support the proposed Asbestos Disposal Cell site located in Middle Stewiacke.

Date: June 2, 2019

Environmental Assessment Branch Nova Scotia Environment P.O. Box 442 Halifax, NS, B3J 2P8

To whom it may concern,

I am writing to express my serious concerns in regards to the proposed asbestos disposal site in Middle Stewiacke located off highway 289 in Colchester County.

Based on these concerns, I would like to request an abeyance or a rejection of said proposal.

Public Relations and Community Conduct

There are concerns about the magnitude and duration of this project, and the way through which it was communicated to community members. The amount of hazardous goods that are anticipated over the next 20 years are extremely large and therefore a cause of concern. The communication of the project to community members was essentially non existent. One would expect that with a project of this size, that the company in question CCL, would have a public forum, as a measure of good faith to share information, legislation and hear concerns of community members. This company, so far has failed to gain the confidence of the community. We, the constituents of Middle Stewiacke and surrounding areas, lack trust and transparency that this company will act in the best interests of our community and environment.

Location of Proposed Asbestos Site

There is an existing site, in Colchester county that currently accepts Asbestos and other hazardous materials. The Kemptown Balefill Facility is a site that is highly monitored, regulated, and already certified and prepared to receive asbestos. I would also like to draw your attention to the geographical makeup of the Stewiacke Valley, and the current location of the CCL site. The village is situated on the floor of the valley, while the construction and demolition waste site is located at a higher elevation, uphill of homes, farms, and livestock. We are concerned, with runoff, and air current and air flow throughout the valley.

Transportation

I am concerned with the value of the property that I own in the vicinity of this proposed hazardous materials site. It is expected, as shown in other areas of the province, in similar situations that adjacent property values depreciate. The current hazardous materials disposal site, located in Kemptown, established an agreement with the surrounding community in which it offers compensation to residents for depreciated land values when they attempt to sell their homes. Will Colchester Containers Limited, or the Province of Nova Scotia enter similar compensation agreement with the residents of Middle Stewiacke if said proposal goes through?

Monitoring and Future Site Maintenance

How often will the site be monitored, and by whom? Will there be testing on air, soil, and water? What is the radius from the proposed cells that this testing will be done? How can we as citizens be assured that this testing will be done by a reputable, impartial third party. We would also like assurances, that this potential approval will not lead to other hazardous materials being placed here at a future date. Who will maintain the site after it has been reclaimed? Is there a plan for eternal maintenance of this area? Who is responsible for this site financially once it closes?

Environmental Assessment

There are some overall concerns with the more basic parts of the actual assessment. The fact that the site was visited on only 3 dates, in only one season raises some concerns. We live in an environment rich in diversity throughout the year, and much of our diversity in our particular area fluctuates with the seasons. Conditions at the proposed site vary significantly according to the season. The surrounding wetlands, flora and fauna are a treat to behold in any season. It is my opinion that the fact that the site visits which were limited at best, and don't take into account seasonal changes, and therefore, fail to account for the incredible biodiversity in the area.

As I am sure you are aware, of most concern would be the potential health risk, should the asbestos become airborne. The carcinogenic qualities of asbestos, when it is airborne, and the risks associated to its inhalation are well documented. Airborne asbestos particles, via transportation or a "spill" at the site would be of particular concern to those with under developed or otherwise compromised respiratory systems. Also there is cause for concern of the effects of minor long term exposure to those of average health, as well as pets and livestock.

I would like to express that as a member of this community and surrounding area, that the public notification that was posted on May 16 does not give community members an adequate time frame to gather information and ask questions to the involved parties. Nor does the short time span for public comments, allow for timely responses to pertinent questions and concerns from the involved parties.

I, am a concerned resident of Colchester County who does not support the proposed Asbestos Disposal Cell site located in Middle Stewiacke.

Date: June 2, 2019

Environmental Assessment Branch Nova Scotia Environment P.O. Box 442 Halifax, NS, B3J 2P8

To whom it may concern,

I am writing to express my serious concerns in regards to the proposed asbestos disposal site in Middle Stewiacke located off highway 289 in Colchester County.

Based on these concerns, I would like to request an abeyance or a rejection of said proposal.

Public Relations and Community Conduct

There are concerns about the magnitude and duration of this project, and the way through which it was communicated to community members. The amount of hazardous goods that are anticipated over the next 20 years are extremely large and therefore a cause of concern. The communication of the project to community members was essentially non existent. One would expect that with a project of this size, that the company in question CCL, would have a public forum, as a measure of good faith to share information, legislation and hear concerns of community members. This company, so far has failed to gain the confidence of the community. We, the constituents of Middle Stewiacke and surrounding areas, lack trust and transparency that this company will act in the best interests of our community and environment.

Location of Proposed Asbestos Site

There is an existing site, in Colchester county that currently accepts Asbestos and other hazardous materials. The Kemptown Balefill Facility is a site that is highly monitored, regulated, and already certified and prepared to receive asbestos. I would also like to draw your attention to the geographical makeup of the Stewiacke Valley, and the current location of the CCL site. The village is situated on the floor of the valley, while the construction and demolition waste site is located at a higher elevation, uphill of homes, farms, and livestock. We are concerned, with runoff, and air current and air flow throughout the valley.

Transportation

I am concerned with the value of the property that I own in the vicinity of this proposed hazardous materials site. It is expected, as shown in other areas of the province, in similar situations that adjacent property values depreciate. The current hazardous materials disposal site, located in Kemptown, established an agreement with the surrounding community in which it offers compensation to residents for depreciated land values when they attempt to sell their homes. Will Colchester Containers Limited, or the Province of Nova Scotia enter similar compensation agreement with the residents of Middle Stewiacke if said proposal goes through?

Monitoring and Future Site Maintenance

How often will the site be monitored, and by whom? Will there be testing on air, soil, and water? What is the radius from the proposed cells that this testing will be done? How can we as citizens be assured that this testing will be done by a reputable, impartial third party. We would also like assurances, that this potential approval will not lead to other hazardous materials being placed here at a future date. Who will maintain the site after it has been reclaimed? Is there a plan for eternal maintenance of this area? Who is responsible for this site financially once it closes?

Environmental Assessment

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I would like to express that as a member of this community and surrounding area, that the public notification that was posted on May 16 does not give community members an adequate time frame to gather information and ask questions to the involved parties. Nor does the short time span for public comments, allow for timely responses to pertinent questions and concerns from the involved parties.

I am a concerned resident of Colchester County who **does not** support the proposed Asbestos Disposal Cell site located in Middle Stewiacke.

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Transportation

Date: Jane 2, 2019

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Date: June 2. 2019

Environmental Assessment Branch Nova Scotia Environment P.O. Box 442 Halifax, NS, B3J 2P8

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I, , am a concerned resident of Colchester County who does not support the proposed Asbestos Disposal Cell site located in Middle Stewiacke.

Date: June 2 2019

Environmental Assessment Branch Nova Scotia Environment P.O. Box 442 Halifax, NS, B3J 2P8

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I, am a concerned resident of Colchester County who does not support the proposed Asbestos Disposal Cell site located in Middle Stewiacke.

Date: June 4/2019

Environmental Assessment Branch Nova Scotia Environment P.O. Box 442 Halifax, NS, B3J 2P8

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Location of Proposed Asbestos Site

The proposal for the asbestos site indicates that there are no other options in Colchester county. There is an existing site, in Colchester county that currently accepts Asbestos and other hazardous materials. The Kemptown Balefill Facility is a site that is highly monitored, regulated, and already certified and prepared to receive asbestos. I would also like to draw your attention to the geographical makeup of the Stewiacke Valley, and the current location of the CCL site. The village is situated on the floor of the valley, while the construction and demolition waste site is located at a higher elevation, uphill of homes, farms, and livestock. We are concerned, with runoff, and air current and air flow throughout the valley.

Transportation

I am concerned with the value of the property that I own in the vicinity of this proposed hazardous materials site. It is expected, as shown in other areas of the province, in similar situations that adjacent property values depreciate. The current hazardous materials disposal site, located in Kemptown, established an agreement with the surrounding community in which it offers compensation to residents for depreciated land values when they attempt to sell their homes. Will Colchester Containers Limited, or the Province of Nova Scotia enter similar compensation agreement with the residents of Middle Stewiacke if said proposal goes through?

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How often will the site be monitored, and by whom? Will there be testing on air, soil, and water? What is the radius from the proposed cells that this testing will be done? How can we as citizens be assured that this testing will be done by a reputable, impartial third party. We would also like assurances, that this potential approval will not lead to other hazardous materials being placed here at a future date. Who will maintain the site after it has been reclaimed? Is there a plan for eternal maintenance of this area? Who is responsible for this site financially once it closes?

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I would like to express that as a member of this community and surrounding area, that the public notification that was posted on May 16 does not give community members an adequate time frame to gather information and ask questions to the involved parties. Nor does the short time span for public comments, allow for timely responses to pertinent questions and concerns from the involved parties.

I at Nova Scotia am a concerned resident of Colchester County who does not support the proposed Asbestos Disposal Cell site located in Middle Stewiacke.

Environmental Assessment Branch Nova Scotia Environment P.O. Box 442 Halifax, NS, B3J 2P8

To whom it may concern,

I am writing to express my serious concerns in regards to the proposed asbestos disposal site in Middle Stewiacke located off highway 289 in Colchester County.

Based on these concerns, I would like to request an abeyance or a rejection of said proposal.

Public Relations and Community Conduct

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Date: June 2/19

Environmental Assessment Branch Nova Scotia Environment P.O. Box 442 Halifax, NS, B3J 2P8

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Date: June 3, 2019

Environmental Assessment Branch Nova Scotia Environment P.O. Box 442 Halifax, NS, B3J 2P8

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1	am a concerned resident of Colchester County who does not support
1	the proposed Asbestos Disposal Cell site located in Middle Stewiacke.

Date: June 3, 2019

Environmental Assessment Branch Nova Scotia Environment P.O. Box 442 Halifax, NS, B3J 2P8

To whom it may concern,

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I am a concerned resident of Colchester County who **does not** support the proposed Asbestos Disposal Cell site located in Middle Stewiacke.

Date: June 3, 2019

Environmental Assessment Branch Nova Scotia Environment P.O. Box 442 Halifax, NS, B3J 2P8

To whom it may concern,

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I Sam a concerned resident of Colchester County who does not support the proposed Asbestos Disposal Cell site located in Middle Stewiacke.

Date: June 3, 2019

Environmental Assessment Branch Nova Scotia Environment P.O. Box 442 Halifax, NS, B3J 2P8

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I am writing to express my serious concerns in regards to the proposed asbestos disposal site in Middle Stewiacke located off highway 289 in Colchester County.

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Date: June 3 2019

Environmental Assessment Branch Nova Scotia Environment P.O. Box 442 Halifax, NS, B3J 2P8

To whom it may concern,

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I, , am a concerned resident of Colchester County who does not support the proposed Asbestos Disposal Cell site located in Middle Stewiacke.

May 30, 2019

Environmental Assessment Branch

Nova Scotia Environment

P.O. Box 442

Halifax, N.S.

B3J 2P8

To whom it may concern:

My name is and I am a resident of Middle Stewiacke, Colchester County Nova Scotia. I became aware this past evening that Colchester Containers Ltd. has quietly filed an application to create an asbestos waste dump in our community. The application was filed by the company on May 16, 2019 and is being fast tracked as the public has only until June 16th to make comments and the Minister is set to decide by July 5th. I have read the submission on the provincial web site and have several concerns and comments that I will outline in the following points.

- 1. The report states under area 4.1 that no other asbestos site exists in the surrounding area. This is a faise statement. I confirmed with the County of Colchester that they have just recently built a hazards waste disposal cell at their county waste disposal site at Kemptown that could easily handle the material being proposed by Colchester Containers. I am not aware as to why this site is not contained in your listing of asbestos approved sites but the county assures me it certainly is ready and able to take this material.
- 2. This county site would be independent of the company with trained personnel on site along with appropriate equipment to deal with any possible hazardous incident in dealing with this material. The onsite inspectors and receiving agents also would be free of any conflict of interest or pressure from the company.

- material to the county site in Kemptown would be along highways 102 and 104 where houses are not in such close proximity.
- 7. There may not have been a legal obligation but Colchester Containers did not have a public meeting for the community to advise them of the proposal or obtain feedback or to address any of the citizen concerns. The Government of Nova Scotia also has not spoken with or advised the community of this. This lack of communication shows a great deal of disrespect to the citizens of Middle Stewiacke.

This proposal and the method that it has been proceeded with looks very much like a company that is trying to "fast track" it through the system before anyone can respond. I unfortunately have the cynical belief that it appears this company is merely attempting to avoid paying tipping fees to the county by having their own dump site approved. I would hope that the government is more concerned with the wellbeing of its citizens than protecting an example of "corporate greed".

I am therefore asking the government to reject this application for an asbestos site in Middle Stewiacke. There is no need for it as there is a site already in Colchester County that can be used and is likely more apt to be independently managed to ensure compliance with all safety precautions. There should also be a public meeting with all community members to make them aware of this and obtain their input.

Yours truly

Middle Stewiacke N.S.

Date:

Environmental Assessment Branch Nova Scotia Environment P.O. Box 442 Halifax, NS, B3J 2P8

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There are concerns about the magnitude and duration of this project, and the way through which it was communicated to community members. The amount of hazardous goods that are anticipated over the next 20 years are extremely large and therefore a cause of concern. The communication of the project to community members was essentially non existent. One would expect that with a project of this size, that the company in question CCL, would have a public forum, as a measure of good faith to share information, legislation and hear concerns of community members. This company, so far has failed to gain the confidence of the community. We, the constituents of Middle Stewiacke and surrounding areas, lack trust and transparency that this company will act in the best interests of our community and environment.

Location of Proposed Asbestos Site

There is an existing site, in Colchester county that currently accepts Asbestos and other hazardous materials. The Kemptown Balefill Facility is a site that is highly monitored, regulated, and already certified and prepared to receive asbestos. I would also like to draw your attention to the geographical makeup of the Stewiacke Valley, and the current location of the CCL site. The village is situated on the floor of the valley, while the construction and demolition waste site is located at a higher elevation, uphill of homes, farms, and livestock. We are concerned, with runoff, and air current and air flow throughout the valley.

Transportation

I am concerned with the value of the property that I own in the vicinity of this proposed hazardous materials site. It is expected, as shown in other areas of the province, in similar situations that adjacent property values depreciate. The current hazardous materials disposal site, located in Kemptown, established an agreement with the surrounding community in which it offers compensation to residents for depreciated land values when they attempt to sell their homes. Will Colchester Containers Limited, or the Province of Nova Scotia enter similar compensation agreement with the residents of Middle Stewiacke if said proposal goes through?

Monitoring and Future Site Maintenance

How often will the site be monitored, and by whom? Will there be testing on air, soil, and water? What is the radius from the proposed cells that this testing will be done? How can we as citizens be assured that this testing will be done by a reputable, impartial third party. We would also like assurances, that this potential approval will not lead to other hazardous materials being placed here at a future date. Who will maintain the site after it has been reclaimed? Is there a plan for eternal maintenance of this area? Who is responsible for this site financially once it closes?

Environmental Assessment

There are some overall concerns with the more basic parts of the actual assessment. The fact that the site was visited on only 3 dates, in only one season raises some concerns. We live in an environment rich in diversity throughout the year, and much of our diversity in our particular area fluctuates with the seasons. Conditions at the proposed site vary significantly according to the season. The surrounding wetlands, flora and fauna are a treat to behold in any season. It is my opinion that the fact that the site visits which were limited at best, and don't take into account seasonal changes, and therefore, fail to account for the incredible biodiversity in the area.

As I am sure you are aware, of most concern would be the potential health risk, should the asbestos become airborne. The carcinogenic qualities of asbestos, when it is airborne, and the risks associated to its inhalation are well documented. Airborne asbestos particles, via transportation or a "spill" at the site would be of particular concern to those with under developed or otherwise compromised respiratory systems. Also there is cause for concern of the effects of minor long term exposure to those of average health, as well as pets and livestock.

I would like to express that as a member of this community and surrounding area, that the public notification that was posted on May 16 does not give community members an adequate time frame to gather information and ask questions to the involved parties. Nor does the short time span for public comments, allow for timely responses to pertinent questions and concerns from the involved parties.

I am a concerned resident of Colchester County who does not support the proposed Asbestos Disposal Cell site located in Middle Stewiacke.

June 2, 2019

Environmental Assessment Branch Nova Scotia Environment P.O. Box 442 Halifax, NS, B3J 2P8

To whom it may concern,

We are writing to express our serious concerns in regards to the proposed asbestos disposal site owned by John Ross and Sons Ltd in Middle Stewiacke off of highway 289 in Colchester County.

Based on these concerns, we would like to request a rejection of said proposal.

There are concerns about the magnitude and duration of this project, and the way through which it was communicated to community members. The amount of hazardous goods that are anticipated over the next 20 years is extremely large and therefore a cause for concern. The communication of the project to community members was essentially non existent. One would expect that with a project of this size, that the company in question - Colcehster Containers - would have a public forum as a measure of good faith to share information, legislation and hear concerns of community members. This company so far has failed to gain the confidence of the community. We, the constituents of Middle Stewiacke and surrounding areas, lack trust and transparency that this company will act in the best interests of our community and environment.

The proposal for the asbestos site indicates that there are no other options in Colchester county. There is an existent site already in Colchester County that currently accepts asbestos and other hazardous materials. The Kemptown Balefill Facility is a site that is highly monitored, regulated, and already certified and prepared to receive asbestos. We would also like to draw your attention to the geographical makeup of the Stewiacke Valley, and the current location of the CCL site. The village is situated on the floor of the valley, while the construction and demolition waste site is located at a higher elevation, uphill of homes, farms, and livestock. We are concerned with runoff and air flow throughout the valley.

We would like to know how we as the citizens in the area can be assured that the product will be transported appropriately, in double sealed bags, as opposed to bulk transport. Also, our concern is that the current condition of the road, highway 289, is not conducive to safe transport of hazardous materials. The increased weight, and traffic on the road, and the indication that there will potentially be tandem loads hauled to the site, partnered with the deplorable condition of the actual surface and narrow shoulders, as indicated in the Traffic Impact Statement of the Environmental Assessment, give rise to grave concerns about the transport of this product through our community.

We are concerned with the value of the property that we own in the vicinity of this proposed hazardous materials site. It is expected, as shown in other areas of the province and in similar

situations that adjacent property values depreciate. The current hazardous materials disposal site, located in Kemptown, established an agreement with the surrounding community in which it offers compensation to residents for depreciated land values when they attempt to sell their homes. Will Colchester Containers Limited or the Province of Nova Scotia enter similar compensation agreement with the residents of Middle Stewiacke if said proposal goes through?

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We would like to express that as members of this community and surrounding area, that the public notification that was posted on May 16 does not give community members an adequate time frame to gather information and ask questions to the involved parties. Nor does the short time span for public comments, allow for timely responses to pertinent questions and concerns from the involved parties.

To reiterate, we are residents of Middle Stewiacke who are adamantly opposed to the proposed Asbestos Disposal Cell site located here in our community.

Sincerely.

June 2, 2019

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To reiterate, we are residents of Middle Stewiacke who are **adamantly opposed** to the proposed Asbestos Disposal Cell site located here in our community.

Date: June 2, 2019

Environmental Assessment Branch Nova Scotia Environment P.O. Box 442 Halifax, NS, B3J 2P8

To whom it may concern,

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I, am a concerned resident of Colchester County who does not support the proposed Asbestos Disposal Cell site located in Middle Stewiacke.

Date:

Environmental Assessment Branch Nova Scotia Environment P.O. Box 442 Halifax, NS, B3J 2P8

To whom it may concern,

I am writing to express my serious concerns in regards to the proposed asbestos disposal site in Middle Stewiacke located off highway 289 in Colchester County.

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I am a concerned resident of Colchester County who does not support the proposed Asbestos Disposal Cell site located in Middle Stewiacke.

Date: June 2/2019

Environmental Assessment Branch Nova Scotia Environment P.O. Box 442 Halifax, NS, B3J 2P8

To whom it may concern,

I am writing to express my serious concerns in regards to the proposed asbestos disposal site in Middle Stewiacke located off highway 289 in Colchester County.

Based on these concerns, I would like to request an abeyance or a rejection of said proposal.

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Date: June 2/19

Environmental Assessment Branch Nova Scotia Environment P.O. Box 442 Halifax, NS, B3J 2P8

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Date: June 2-19

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Date: June 2, 2019

Environmental Assessment Branch Nova Scotia Environment P.O. Box 442 Halifax, NS, B3J 2P8

To whom it may concern,

I am writing to express my serious concerns in regards to the proposed asbestos disposal site in Middle Stewiacke located off highway 289 in Colchester County.

Based on these concerns, I would like to request an abeyance or a rejection of said proposal.

Public Relations and Community Conduct

There are concerns about the magnitude and duration of this project, and the way through which it was communicated to community members. The amount of hazardous goods that are anticipated over the next 20 years are extremely large and therefore a cause of concern. The communication of the project to community members was essentially non existent. One would expect that with a project of this size, that the company in question CCL, would have a public forum, as a measure of good faith to share information, legislation and hear concerns of community members. This company, so far has failed to gain the confidence of the community. We, the constituents of Middle Stewiacke and surrounding areas, lack trust and transparency that this company will act in the best interests of our community and environment.

Location of Proposed Asbestos Site

There is an existing site, in Colchester county that currently accepts Asbestos and other hazardous materials. The Kemptown Balefill Facility is a site that is highly monitored, regulated, and already certified and prepared to receive asbestos. I would also like to draw your attention to the geographical makeup of the Stewiacke Valley, and the current location of the CCL site. The village is situated on the floor of the valley, while the construction and demolition waste site is located at a higher elevation, uphill of homes, farms, and livestock. We are concerned, with runoff, and air current and air flow throughout the valley.

Transportation

I am concerned with the value of the property that I own in the vicinity of this proposed hazardous materials site. It is expected, as shown in other areas of the province, in similar situations that adjacent property values depreciate. The current hazardous materials disposal site, located in Kemptown, established an agreement with the surrounding community in which it offers compensation to residents for depreciated land values when they attempt to sell their homes. Will Colchester Containers Limited, or the Province of Nova Scotia enter similar compensation agreement with the residents of Middle Stewiacke if said proposal goes through?

Monitoring and Future Site Maintenance

How often will the site be monitored, and by whom? Will there be testing on air, soil, and water? What is the radius from the proposed cells that this testing will be done? How can we as citizens be assured that this testing will be done by a reputable, impartial third party. We would also like assurances, that this potential approval will not lead to other hazardous materials being placed here at a future date. Who will maintain the site after it has been reclaimed? Is there a plan for eternal maintenance of this area? Who is responsible for this site financially once it closes?

Environmental Assessment

There are some overall concerns with the more basic parts of the actual assessment. The fact that the site was visited on only 3 dates, in only one season raises some concerns. We live in an environment rich in diversity throughout the year, and much of our diversity in our particular area fluctuates with the seasons. Conditions at the proposed site vary significantly according to the season. The surrounding wetlands, flora and fauna are a treat to behold in any season. It is my opinion that the fact that the site visits which were limited at best, and don't take into account seasonal changes, and therefore, fail to account for the incredible biodiversity in the area.

As I am sure you are aware, of most concern would be the potential health risk, should the asbestos become airborne. The carcinogenic qualities of asbestos, when it is airborne, and the risks associated to its inhalation are well documented. Airborne asbestos particles, via transportation or a "spill" at the site would be of particular concern to those with under developed or otherwise compromised respiratory systems. Also there is cause for concern of the effects of minor long term exposure to those of average health, as well as pets and livestock.

I would like to express that as a member of this community and surrounding area, that the public notification that was posted on May 16 does not give community members an adequate time frame to gather information and ask questions to the involved parties. Nor does the short time span for public comments, allow for timely responses to pertinent questions and concerns from the involved parties.

I, , am a concerned resident of Colchester County who does not support the proposed Asbestos Disposal Cell site located in Middle Stewiacke.

From: @gmail.com
To: Environment Assessment Web Account

Subject: Proposed Project Comments **Date:** June 2, 2019 6:12:17 PM

Project: asbestos_waste_disposal_cell_project Comments: To whom it may concern, We are writing to express our serious concerns in regards to the proposed asbestos disposal site in Middle Stewiacke located off highway 289 in Colchester County. Based on these concerns, we would like to request an abevance or, preferably, a rejection of said proposal. There are concerns about the magnitude and duration of this project, and the way in which it was communicated to community members. The amount of hazardous goods that are anticipated over the next 20 years is extremely large and therefore a cause for concern. The communication of the project to community members was minimal and limited in scope. One would expect that with a project of this size, that the company in question - CCL - would have a public forum as a measure of good faith in order to share information, legislation and hear concerns from community members. This company so far has failed to gain the confidence of the community. We, the constituents of Middle Stewiacke and surrounding areas, lack trust and transparency that this company will act in the best interests of our community and environment. There is an already existent site in Colchester county that currently accepts asbestos and other hazardous materials. The Kemptown Balefill Facility is a site that is highly monitored, regulated, and already certified and prepared to receive asbestos. Also of note is the geographical makeup of the Stewiacke Valley and the current location of the CCL site. The village is situated on the floor of the valley, while the construction and demolition waste site is located at a higher elevation, uphill of homes, farms, and livestock. We are concerned with runoff and air flow throughout the valley. We would like to know, how we as the citizens in the area can be assured that the product will be transported appropriately, in double sealed bags, as opposed to bulk transport. Also, our concern is that the current condition of the road, highway 289, is not conducive to safe transport of hazardous materials. The increased weight, subsequent traffic on the road, and the indication that there will potentially be tandem loads hauled to the site, partnered with the deplorable condition of the actual surface and narrow shoulders as indicated in the Traffic Impact Statement of the Environmental Assessment, give rise to grave concerns about the transport of this product through our community. We are concerned with the value of the property that we own in the vicinity of this proposed hazardous materials site. It is expected, as shown in other areas of the province, in similar situations that adjacent property values depreciate. The current hazardous materials disposal site located in Kemptown established an agreement with the surrounding community in which it offers compensation to residents for depreciated land values when they attempt to sell their homes. Will Colchester Containers Limited or the Province of Nova Scotia enter similar compensation agreements with the residents of Middle Stewiacke if said proposal goes through? How often will the site be monitored, and by whom? Will there be testing on air, soil, and water? What is the radius from the proposed cells that this testing will be done? How can we as citizens be assured that this testing will be done by a reputable, impartial third party. We would also like assurances that this potential approval will not lead to other hazardous materials being placed here at a future date. Who will maintain the site after it has been reclaimed? Is there a plan for eternal maintenance of this area? Who is responsible for this site financially once it closes. There are some overall concerns with the more basic parts of the actual assessment. The fact that the site was visited on only three dates, in only one season, raises concerns. We live in an environment rich in diversity throughout the year, and much of our diversity in our particular area fluctuates significantly with the seasons. The surrounding wetlands, flora, and fauna are a treat to behold in any season. It is my opinion that the fact that

the site visits which were limited at best, and donâ? Tt take into account seasonal changes, and therefore, fail to accurately represent the incredible biodiversity in the area. What should be obvious is the tremendous concern of the potential health risk should the asbestos become airborne. The carcinogenic qualities of asbestos, when it is airborne, and the risks associated to its inhalation are well documented. Airborne asbestos particles, via transportation or a â? ospillâ? at the site would be of particular concern to those with under developed or otherwise compromised respiratory systems. Also there is cause for concern of the effects of minor long term exposure to those of average health, as well as pets and livestock. We would like to express that as members of this community and surrounding area, that the public notification that was posted on May 16 does not give community members an adequate time frame to gather information and ask questions to the involved parties. Nor does the short time span for public comments allow for timely responses to pertinent questions and concerns from the involved parties. We wish to reiterate in the strongest terms that we are vehemently opposed to the proposed Asbestos Disposal Cell site located in Middle Stewiacke. Sincerely, Name: Email: @gmail.com Address:

From: @gmail.com

To: <u>Environment Assessment Web Account</u>

Subject: Proposed Project Comments **Date:** June 2, 2019 5:42:47 PM

Project: asbestos_waste_disposal_cell_project Comments: This idea is horrible! Our river valley is suffering with many things- deforestation which adds to the flood risks- we are a wet valley and any dump would release runoff to our precious water. Some farmers are using bio solids on their fields and the sickly smell of death tells you itâ?Ts not good. The sod farms use toxic products on their fields. Please do not allow further degradation of our beautiful river valley. A 1.8 hectare dump is bad enough without having it filled with asbestos. Please say Name:

@gmail.com Address:

From: @icloud.com

To: Environment Assessment Web Account

Subject: Proposed Project Comments **Date:** June 4, 2019 8:55:23 AM

Project: asbestos_waste_disposal_cell_project Comments: I am concerned about this proposal from two perspectives. One, the impact on the environment and the potential impact on property values in the area. Two, the lack or late public consultation on this issue. I understand that public consultations are not required for Class I Undertakings, however, not informing the residents creates mistrust, fear and demonstrates a lack of goodwill on the part of a company who should wish to be a good neighbour. Name:

Email:

@icloud.com Address:

From: <u>@icloud.com</u>

To: <u>Environment Assessment Web Account</u>

Subject: Proposed Project Comments **Date:** June 4, 2019 6:46:14 AM

Project: asbestos_waste_disposal_cell_project Comments: The proposed use of the Middle Stewiacke site is dangerous to the public and the environment. The proposed site is inappropriate for this type of industrial disposal. The site is too close to waterways. It is inconsistent with the agricultural nature of the surrounding area. should be located Name:

Email: @icloud.com Address:

From: @gmail.com

To: Environment Assessment Web Account

Subject: Proposed Project Comments **Date:** June 4, 2019 6:30:13 AM

Project: asbestos_waste_disposal_cell_project Comments: I am opposed to Asbestos waste disposal in Middle Stewiacke. I have family who live in the area and I keep livestock on their property. My husband succumbed to cancer, I have had surgery for cancer and currently living with FHN Lymphoma. We do not need to alter the beauty of the Stewiacke landscape and risk polluting our living environment for this project. Name:

Email:

@gmail.com Address:

From: <u>@nncweb.ca</u>

To: Environment Assessment Web Account

Subject: Proposed Project Comments **Date:** June 5, 2019 10:47:11 PM

Project: asbestos_waste_disposal_cell_project Comments: I am concerned that the proposed operating standard already does not comply with the Asbestos waste management Regulations, See below. Operating Manual 3. Waste Handling Operations 3.1.2 Placement of Waste. The C D waste is covered weekly. Please see Asbestos Waste Management Regulations. Designated area cover limits 21 No owner, operator or person responsible for an approved waste disposal site shall fail to cover asbestos waste which has been placed in the designated area pursuant to Section 20, a within 24 hours of burial, with cover material having a depth of not less than 25 cm which cover material shall not include waste material unless approved by an Administrator Name:

@nncweb.ca Address:

From: <u>@hotmail.com</u>

To: Environment Assessment Web Account

Subject: Proposed Project Comments **Date:** June 5, 2019 11:59:13 AM

Project: asbestos_waste_disposal_cell_project Comments: As a home owner resident of this area for approximately 60 years I am against the approval of an asbestos waste disposal site. The highway already suffers from too many trucks carrying various cargo at high speeds. A highway which has numerous potholes because of this that go unfixed for long periods of time. Name:

@hotmail.com Address:

From: <u>@nncweb.ca</u>

To: <u>Environment Assessment Web Account</u>

Subject: Proposed Project Comments **Date:** June 6, 2019 5:46:54 PM

Project: asbestos_waste_disposal_cell_project Comments: Is this Proposal for Middle Stewiacke? Englobe Geotechnical Report Appendix E, The site of this investigation is described as Located in Middle Musquodoboit, not Middle Stewiacke. Englobe have not been able to answer this for me! So was this investigation done in Middle Musquodoboit? Name:

Email: @nncweb.ca Address:

From:

To: <u>Tutty, Bridget R</u>

Subject: Concerns over the proposed Asbestos Dump and its related EA

Date: June 7, 2019 10:34:16 AM

Good Morning Bridget,

Thank you for taking the time to speak with me yesterday.

I appreciate your position, and hope that I was able to clearly articulate my concerns specifically with the site in question.

I'm including a few of my concerns in this email, and will submit them online as well.

- 1. The location mentioned in the Environmental Report -- specifically the geotechnical report indicated that the location is Middle Musquodoboit.
- 2. Also within the Geotechnical Report, the depth of the test pits is of concern. The deepest is 4.6m, and I'm unsure that at this depth that there is enough clearance to the ground water table as the area, where the pits were drilled is on a pretty steep grade. I would like to draw you attention to the fact that this is in the Stewiacke Valley, and the current C and D site is 2.5km up the hill on the North Side of the Valley, in case you were unfamiliar with the geographical and topographical area.
- 3. After my conversation with you we phoned the Firm that conducted the geotechnical assessment they were actually unable to tell us whether they were in fact in Middle Musquodoboit, or Middle Stewiacke. As a resident of Middle Stewiacke -- this is deeply concerning, as the persons making these recommendations, clearly haven't even had boots on the the ground.
- 4. The company in question, has not been a good community member- has not made an attempt to reach out to the community to educate or inform on this proposal. This is concerning -- if they aren't involved in the community -- how can we trust them to look after the site after its closure. Will there be funds allocated for this? Where will this money come from? Will we, as community members be informed as to how much money there is to maintain this sit?
- 5. Asbestos is eternal (unless its incinerated -- something perhaps the province should look into where it becomes an inert form of silica that can be used in glassmaking, or filling our beaches with beautiful white sand) -- who is responsible for the eternal maintenance of the site?, and how can we be assured that this will happen, and my grand children will not be having this same fight in 50 years?
- 6. My concern is that there this is a private company the monies will go to a private citizen if the site were municipal, or provincial, the dumping fees are then redirected services and infrastructure. With respect to this, I am also concerned that Middle Stewiacke will become the dumping ground for all asbestos in surrounding counties as well -- we have decommissioned the Truro hospital .. my fear is the VG will be placed here as well, because the dumping fees are unregulated, and it will likely be worth the extra trucking costs, than pay the municipal fees.

I am also attaching a copy of the letter that Mayor of Colchester Christine Blair sent to the Minister on June 5th.

I will also ask again, if there is any other department through which we as a community can voice our grave concerns on this proposal.

Best Regards, and thank you for you diligent work on bahalf of the residents of Middle Stewiacke and surrounding area.





Municipality of the County of Colchester

www.colchester.ca

OFFICE OF THE MAYOR Mayor@colchester.ca

1 CHURCH STREET TRURO NS B2N 3Z5

(902) 897-3160

June 5, 2019

The Honorable Gordon Wilson Minister, Nova Scotia Environment P.O. Box 442 Halifax, NS, B3J 2P8

Dear Minister Wilson:

On behalf of Council, I am writing to request that your decision regarding any advancement of the Colchester Containers Limited's Asbestos Waste Disposal Cell Project be held in abeyance until more stringent regulations come into effect.

We are very concerned about the health and safety risks that this development could pose to residents of the area and want to ensure that the highest level of care and attention is taken in this matter.

We would also like to inform you that our Municipality currently offers approved Asbestos Waste Disposal at its Solid Waste Facility in Kemptown.

We have recently learned that our disposal site is not listed on the Nova Scotia Environment website. Although this oversight is currently being looked into, we felt it was important to bring our facility to your attention as you assess whether another facility of this nature in Colchester is necessary.

Thank you for considering our concerns and request. If you have any questions moving forward, please do not hesitate to contact me.

Sincerely.

Christine Blair

Mayor

c. MLA Larry Harrison

From: @mapcorg.ca
To: Tutty, Bridget R

Cc:

Subject: Comments on Proposed Asbestos Waste Disposal Cell Project

Date:June 14, 2019 10:07:24 AMAttachments:NCNS Comments June2019.pdf

Good Morning,

Attached is a letter containing our comments, views and concerns regarding Colchester Containers Ltd.'s asbestos waste disposal cell. As mentioned in the letter, we also invite the proponent and consultants to meet with us at our Truro office.

Regards,

Habitat Impact Assessment Manager



Maritime Aboriginal Peoples Council Maritime Aboriginal Aquatic Resources Secretariate 172 Truro Heights Road Truro Heights, NS, B6L 1X1

Toll Free (in Canada): 1-855-858-7240

Fax: 1-902-895-2844



Native Council of Nova Scotia

The Self-Governing Authority for Mi'kinaq/Aboriginal Peoples residing Off-Reserve in Nova Scotia throughout traditional Mi'kinaq Territory

"Going Forward to a Better Future"

June 11, 2019

P.O. Box 1320 Truro, Nova Scotia B2N 5N2

Tel: 902-895-1523 Fax: 1-902-895-0024 Toll Free: 1-800-565-4372 chieflaugustine@ncns.ca www.ncns.ca

Aboriginal/Treaty Rights Negotiations Facilitating Directorate

> NCNS Citizenship Information Office

Education & Student Services

> Rural & Native Housing Group

Aboriginal Peoples Training & Employment Commission (APTEC)

> Netukulimkewe'l Commission

Wenjikwom Housing Commission

Social Assistance Recipient Support for Employment & Training (SARSET)

Micmac Language Program

Native Social Counselling Agency

Child Help Initiative Program (CHIP)

E'pit Nuji Ilmuet Program (Prenatal)

Aboriginal Homelessness Program

> Parenting Journey Program

Youth Outreach Program

Mi'Kma'ki Environments Resource Developments Secretariat (MERDS) Bridget Tutty M.Sc. Environmental Assessment Officer Nova Scotia Environment Suite 2085 1903 Barrington St. Halifax, NS

Dear Ms. Tutty,

RE: Asbestos Waste Disposal Cell Project for Environmental Assessment

Thank you for your email dated May 16, 2019, regarding Colchester Containers Limited's proposed asbestos waste disposal cell in Middle Stewiacke, Colchester County. We have reviewed the proposal prepared by the consultant, Englobe, and we would like to take this opportunity to share our views, concerns and comments.

The Native Council of Nova Scotia was organized in 1974 and represents the interests, needs and rights of Off-Reserve and Non-Status Section 91(24) Indians/Mi'kmaq/Aboriginal Peoples continuing on our Traditional Ancestral Homelands throughout Nova Scotia as Heirs to Treaty Rights, Beneficiaries of Aboriginal Rights, with Interests to Other Rights, including Land Claim Rights.

The Native Council of Nova Scotia Community of Off-Reserve Status and Non-Status Indians/Mi'kmaq/Aboriginal Peoples supports projects, works, activities and undertakings which do not significantly alter, destroy, impact, or affect the sustainable natural life ecosystems, or natural eco-scapes formed as hills, mountains, wetlands, meadows, woodlands, shores, beaches, coasts, brooks, streams, rivers, lakes, bays, inland waters, and the near-shore, mid-shore and off-shore waters, to list but a few, with their multitude of in-situ biodiversity.

Our NCNS Community has continued to access and use natural life within those ecosystems and eco-scapes where the equitable sharing of benefits arising from projects and undertakings serve a beneficial purpose towards progress in general and demonstrate the sustainable use of the natural wealth of Mother Earth, with respect for the Constitutional Treaty Rights, Aboriginal Rights, and Other Rights of the Native Council of Nova Scotia Community continuing throughout our Traditional Ancestral Homeland in that part of Mi'kma'ki, now known as Nova Scotia.

To begin, we must say we are disappointed that our Off-Reserve Community of Section 91(24) Indian/Aboriginal Peoples was not consulted during the initial environmental assessment report. It is a reminder that there is still a lack of understanding among decision-makers, as to who must be consulted and how. It is important that our Off-Reserve community is given an opportunity to speak for ourselves, and share comments, views and concerns that may be different from those of the *Indian Act* band councils. With that said, after we contacted the consultants they were helpful and forthcoming, and answered our technical questions about the proposed project. We thank them and look forward to collaborating in the future.

The proponent has estimated that 895 tonnes of asbestos waste will be deposited each year. How was this amount reached? How much of this waste is predicted to come from Truro and surrounding communities, and how much will be trucked from Halifax or elsewhere? We are curious about the techniques used to estimate asbestos intake at the proposed site and would appreciate insight. Are there large demolition projects in Truro and the surrounding communities on the horizon, and how much asbestos waste do you anticipate being generated from them?

The report states that decreased distance to a disposal facility will lower costs and thus decrease illegal dumping of asbestos waste. Is illegal dumping of asbestos waste currently a concern in the area? If capacity is adequate at existing asbestos waste facilities, and environmental impact mitigation measures are sufficient, we should continue to use existing facilities, rather than introduce this toxic material into a new environment.

The report states that the project is expected to continue for twenty years, after which it is expected to reach its capacity, and the site is to be reclaimed. We understand that reclamation in this context only refers to vegetation returning to the site, and asbestos waste will remain buried indefinitely. Despite the remote location, we think it is worth acknowledging that this site will be forever unusable, and on this ground, we have complaint.

The consultant has informed us that clay liners are above the provincial standard for waste cell closure, and we support the extra effort, however we do recommend post-reclamation site inspection. This inspection would ensure that erosion and mass wasting does not threaten the cell after the site is closed and the proponent has moved on, adding a layer of accountability. We would like to see the results of these inspections made public, as has been done with the preliminary inspections and tests.

We understand that specialized asbestos-handling training is available to Colchester Containers Ltd.'s staff from the consultant but is not mandatory. We recommend the Minister make asbestos-handling training a condition of their decision for some or all staff — for the betterment of environmental damage mitigation and the health of those handling the waste.

We note that under Valued Environmental Components, there is no interaction listed under Land Use. We assume this decision was made due to the fact that the land is currently used for waste disposal, but consideration should be made of long-term land use. Due to waste placement, this land will never be used for anything that disturbs the surface of the cells. Certainly, that is an interaction that will last beyond the timeframe of the project.

While we acknowledge the need for a safe place to dispose of asbestos waste, we have reservations about expanding a site that (as far as we are aware) does not currently handle toxic substances, when other facilities may be adequate and have the capacity for the area's waste. If it is only a matter of economics and shortening shipping routes, we should not introduce a toxic material like asbestos where it is not currently present.

We invite the proponent and their consultants to respond to us directly by email at or by mail. Better yet, we invite the proponent or consultants to meet us in person, either at our office at 172 Truro Heights Rd, Truro, or a location of their choosing.

Progress through consultation, accommodation and participatory involvement and partnerships

Director of Intergovernmental Affairs Maritime Aboriginal Peoples Council Habitat Impact Assessment Manager Maritime Aboriginal Peoples Council

DJ:mw

Cc: Chief and President, Native Council of Nova Scotia

P.Eng., Project Manager, Environmental Engineering, Englobe

M.Sc., Intermediate Professional, Environmental Engineering, Englobe

M.Sc.E., P.Eng., Senior Environmental Engineer, Environmental Engineering, Englobe

General Manager, Colchester Containers Ltd.

Communications Advisor, Nova Scotia Environment

Executive Director, IKANAWTIKET

From: <u>@nncweb.ca</u>

To: Environment Assessment Web Account

Subject: Proposed Project Comments **Date:** June 9, 2019 2:49:55 PM

Project: asbestos_waste_disposal_cell_project Comments: Very concerning is the Habitat study and Botanical Study, there appears to have not been a complete Survey. Noting that the Habitat study was done April 24, May 27 June 27, the study has been done all in one season and Day Time A good way not to find Bats and Owls or Nighthawks would be to not look at night!!! There was no apparent Night Time calling survey, no winter Tracking, and no Wildlife Cams. The Botanical Survey was done in two days June 18th and August 10, this misses all early spring flowering. Name:

Email: @nncweb.ca Address:

From: <u>@nncweb.ca</u>

To: Environment Assessment Web Account

Subject: Proposed Project Comments **Date:** June 9, 2019 2:19:11 PM

Project: asbestos_waste_disposal_cell_project Comments: Page 38, Table 8.1, Surface Water and wet lands. Noted Potential impact from Environmental Assessment. Sediment laden stormwater associated with the Project Area to enter the drainage corridor and discharge into the wetland. Accidental spills may occur along the access road or within the Project Area during both site preparation activities and operations It is not noted in the Environmental Assessment that all run off surface and Storm Water from the FRONT of the hill, runs out into small Brooks and then a ditch that drains onto the Properties and into a brook at

that in Spring and fall these waters are strong enough to wash out the access road and cause flooding on the properties below. So the Accidental Spills is raising some concern! Name:

From:

To: <u>Environment Assessment Web Account</u>

Cc: Minister, Env

Subject: Middle Stewiacke proposed Asbestos dump .

Date: June 13, 2019 11:34:28 AM

With great concern I feel it necessary to write concerning the purposed transport and dumping of asbestos in the Stewiacke valley. We live in the area our children and grand children attend school here neighbours farm and enjoy the environment here. Asbestos is a hazard that will be trucked by our schools properties and communities as waste to be dumped in our back yard. As of late we hear quite a pile on waste enviroment carbon in the news daily politicians are trying to sell us on all kinds of new law's and protections yet we see a private consortium being given consideration to place hazardous material in our community for our children and grand children to have to deal with at a later date. I'm sure cost will be again passed on to the tax payers rater than the private business. I have no axe to grind with business yet for such a venture i would expect that business have a long history of safe ethical standards with community and its workers. Claims that employees will be properly trained to deal with such waste is a pipe dream. take a look at the turnover of employees at said business and its interactions with neighbours and community. Then lets talk about run off accidents other hazardous waste that will be hauled into our back yard . Who is going to go clean up if a truck rolls? We the community will be asked to send our fire dept's out to endanger their lives. Most of whom are volunteers. Who is going to pick up that tab? Who will pick the bill for the road that is a mess now due to heavy trucks an increase will make it worse. The questions go on Yet the Elephant in the room is this Kemptown all ready has a facility able to safely handle this waste why open another facility? This needs to stop right now proper assessments need to be carried out and our community's need to be assured that first off this is a necessity secondly that it will be done properly. Lets avoid all the bad press and the screams that we as a province pay lip service to environmental issues. Next will we be asked to also take in radioactive or bio hazardous waste as well? Our community waits for a response from our government and elected officials This purposed act needs to be stopped before many pay the price for a few

Thank you for your time

From: @gmail.com

To: <u>Environment Assessment Web Account</u>

Subject: Proposed Project Comments

Date: June 11, 2019 8:19:23 PM

Project: asbestos_waste_disposal_cell_project Comments: I was hopeful that a second community meeting would be held by now where we would receive information on this Asbestos Disposal project from both the Company involved and the Department of Environment. It is currently my understanding that neither of these two is willing to meet with the community members. How do we get information on this project and why will neither meet with the public??? I am against any private company being responsible for the disposal of hazardous waste. It needs to be closely supervised, monitored and visible daily by more than one person and should be under the control of local or provincial government. Colchester County currently has such a site at Kemptown so why do we need private companies setting up a site here and there across the province?? This is a money maker for the company of John Ross and Sons Colchester Containers and because it is located back in the woods on a hill I have no faith it will be monitored daily, weekly, or even monthly. This asbestos will be transported past my house and I am concerned with the highway that it will be transported on narrow, full of pot holes, low shoulders, farm equipment daily, transport trucks transporting to Pictou and Sheet Harbour, etc. etc. My understanding is that there are supposed to be new more stringent rules coming for Dump Sites and I would like to see this proposal be put on hold until those new rules are in place. I would also like to see it delayed until such time as either the company or your department could meet with the public and provide some information on how this dump site will function. The lack of communication on this proposed dump site indicates to me that the decision is probably already made. I note that three Native Groups were sent individual letters months ago requesting their concerns for this project yet the citizens of Middle Stewiacke had to see it by chance when it was posted in a paper one time. We were lucky that one such person did see the post on Facebook when she was looking at the Daily News site otherwise I for one and probably 99 of the community would never have know this was in the works. I do not feel there is any consideration of our community and I think we deserve better. Name

From: <u>@seasidehighspeed.com</u>
To: <u>Environment Assessment Web Account</u>

Subject: Proposed Project Comments **Date:** June 11, 2019 10:45:17 AM

Project: asbestos_waste_disposal_cell_project Comments: Here is new research being done on Asbestos. For this reason, I feel the timeline for this proposed site is too short. More research needs to be done on the disposal of this carcinogenic material. Many other provinces and countries are not burying Asbestos because of its effects on our health. http://www.annapoliswaterkeepers.ca/2018/12/another-asbestos-lie-exposed.html?m=1 Name:

Annapolis Waterkeepers

Seeking Environmental Justice

Commentary



Another Asbestos myth exposed

"Asbestos fibers do not bind to soils, and do not migrate to groundwater through soil. Asbestos fibers are not water soluble and do not move through groundwater to any appreciable extent. Asbestos is not expected to accumulate in aquatic life."

Margaret Miller, MLA Minister of Environment

A new study shows asbestos fibers can move through sand and soil, a breakthrough that challenges current remediation strategies for preventing exposure to the cancer-causing mineral.

Geologist Jane Willenbring of the Scripps Institution of Oceanography at the University of California San Diego leads the ongoing study. The first phase tested the long-held belief that asbestos waste pilesare locked in place when capped by soil.

Willenbring's postdoctoral researcher Sanjay Mohanty of the University of Pennsylvania discovered that when organic acids coat asbestos fibers, the threads can travel through sand and soil.

"This is something that can happen in soils, where you have organic acids that are created from plants, fungi and also bacteria," Willenbring told Asbestos.com. "These organic acids can coat the outside of the fibers and actually change the mobility of the fibers."

Large amounts of asbestos waste buried in the environment have concerned scientists and environmentalists for years, but surprisingly, few have explored how asbestos fibers contaminate groundwater.

"They find it in water, and they know where the asbestos is, so they can assume transport," Willenbring explained. "But this is the first time anyone has put a known amount of asbestos in the top of a soil column and actually saw some asbestos coming out."

Willenbring presented her findings in August at the 2016 American Chemical Society meeting in Philadelphia. The National Institute of Environmental Health Sciences funded the project.

https://www.asbestos.com/news/2016/09/14/new-study-asbestos-fibers-move-soil/



Subject: Proposed Project Comments **Date:** June 11, 2019 10:28:12 AM

Project: asbestos_waste_disposal_cell_project Comments: I am opposed to this proposal of an Asbestos dump site in my community for many reasons. In the Englobe report, it states that there are no hazardous materials dump sites in Colchester county. This information is incorrect. There is one at the Balefill site in Kemptown. So there can be no argument that this proposed dump site would be a shorter distance from Truro for example, than the existing dump sites. If the old Truro hospital is coming down, then Kemptown is a shorter distance than Middle Stewiacke, and it already exists and is set up for Asbestos disposal. The only reason this company wants this dump site to be approved is for their monetary gain. No one else benefits from this but them. Making another hazardous materials dump site is simply redundant. Name:

From: <u>@icloud.com</u>

To: Environment Assessment Web Account

Subject:Proposed Project CommentsDate:June 11, 2019 10:15:21 AM

Project: asbestos_waste_disposal_cell_project Comments: I am concerned about the reliability of the information in the Environmental Assessment by Englobe. In several spots at the beginning of the report, the area of assessment is referred to as Middle Musquodoboit. Then it is referred to as Middle Stewiacke. If this assessment report canâ? Tt get the name of the community correct, how can I be sure some of the other pertinent information is correct? This is an important document and I am having doubts about its credibility. This is just one of the many reasons that I am not in favour of this proposal in any form. I Name: Email:

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Email: @icloud.com Address:

From:

To: <u>Environment Assessment Web Account</u>
Subject: Opposing Asbestos site in Middle Stewiacke

Date: June 12, 2019 3:15:32 PM

Attachments: Opposing Asbestos site in Middle Stewiacke.pdf

Please see attached letter as my voice in formally opposing the proposed asbestos site in Middle Stewiacke.



Virus-free. www.avast.com

Data	
Date	

Environmental Assessment Branch Nova Scotia Environment P.O. Box 442 Halifax, NS, B3J 2P8

To whom it may concern,

I am writing to express my serious concerns in regards to the proposed asbestos disposal site in Middle Stewiacke located off highway 289 in Colchester County.

Based on these concerns, I would like to request an abeyance or a rejection of said proposal.

Public Relations and Community Conduct

There are concerns about the magnitude and duration of this project, and the way through which it was communicated to community members. The amount of hazardous goods that are anticipated over the next 20 years are extremely large and therefore a cause of concern. The communication of the project to community members was essentially non existent. One would expect that with a project of this size, that the company in question CCL, would have a public forum, as a measure of good faith to share information, legislation and hear concerns of community members. This company, so far has failed to gain the confidence of the community. We, the constituents of Middle Stewiacke and surrounding areas, lack trust and transparency that this company will act in the best interests of our community and environment.

Location of Proposed Asbestos Site

There is an existing site, in Colchester county that currently accepts Asbestos and other hazardous materials. The Kemptown Balefill Facility is a site that is highly monitored, regulated, and already certified and prepared to receive asbestos. I would also like to draw your attention to the geographical makeup of the Stewiacke Valley, and the current location of the CCL site. The village is situated on the floor of the valley, while the construction and demolition waste site is located at a higher elevation, uphill of homes, farms, and livestock. We are concerned, with runoff, and air current and air flow throughout the valley.

Transportation

We would like to know, how we as the citizens in the area can be assured that the product will be transported appropriately, in double sealed bags, as opposed to bulk transport. Also, our concern is that the current condition of the road, highway 289, is not conducive to safe transport of hazardous materials. The increased weight, and traffic on the road, and the indication that there will potentially be tandem loads hauled to the site, partnered with the deplorable condition of the actual surface and narrow shoulders, as indicated in the Traffic Impact Statement of the Environmental Assessment give rise to grave concerns about the transport of this product through our community, and those that lead to it.

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I am concerned with the value of the property that I own in the vicinity of this proposed hazardous materials site. It is expected, as shown in other areas of the province, in similar situations that adjacent property values depreciate. The current hazardous materials disposal site, located in Kemptown, established an agreement with the surrounding community in which it offers compensation to residents for depreciated land values when they attempt to sell their homes. Will Colchester Containers Limited, or the Province of Nova Scotia enter similar compensation agreement with the residents of Middle Stewiacke if said proposal goes through?

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I would like to express that as a member of this community and surrounding area, that the public notification that was posted on May 16 does not give community members an adequate time frame to gather information and ask questions to the involved parties. Nor does the short time span for public comments, allow for timely responses to pertinent questions and concerns from the involved parties.

I am a concerned resident of Colchester County who **does not** support the proposed Asbestos Disposal Cell site located in Middle Stewiacke.

Sincerely,

From:

To: <u>Environment Assessment Web Account</u>

Subject: Proposed asbestos dump in Middle Stewiacke

Date: June 12, 2019 12:26:06 PM

I TOTALLY disapprove of this asbestos dump proposal for Middle Stewiacke.

Why not Kemptown? They already have one.

How will you prevent groundwater contamination from this poison?

Properties values are certain to fall as they have in Kemptown. How will you compensate ALL in this area, not just adjoining properties? We have very little business or viable workplaces out here. The only thing we have going for us is that city folks want cottages here (that's how far out we are). Why would anyone want a cottage in an area with an asbestos dump?

Rt 289 is a death trap of pot holes and poor repairs. This ongoing issue is certain to worsen with even more heavy trucks on the road.

With our first responders be trained at John Ross and Son's expense on how to deal with asbestos trucking spills and mishaps on route? Based on the condition of 289, or even if it was in good condition, accidents happen.

And one last question, where can I find a list of safety inspections on businesses owned or operated by John Ross and Sons? And a list of cited violations and fines? We need to know how this company protects it's employees, it's neighborhood and the safety of our environment.

From: <u>@nncweb.ca</u>

To: <u>Environment Assessment Web Account</u>

Subject: Proposed Project Comments **Date:** June 12, 2019 10:21:40 PM

Project: asbestos_waste_disposal_cell_project Comments: 2784 Hwy 289 Middle Stewiacke Nova Scotia B0N 1C0 Re: Asbestos Dump Middle Stewiacke. Dear Sir, I write to you today as a concerned member of the community of Middle Stewiacke and in regard to the proposed Asbestos dump for our valley. This community came together within two days of finding out about the environmental assessment, with 60 community members joined by two MLAâ?Ts, three councillors the Mayor of the Municipality of the County of Colchester. At that time we learned that our community already has an approved Asbestos disposal facility in Kemptown, and it can take all the Asbestos for our county. As the facility is owned by the Municipality the residents have some peace of mind knowing it is well monitored, they also have an agreement with the Municipality that ensures that if they cannot sell their homes for market value within 6 months, the Municipality purchases them, this seems fair as it canâ? Tt be easy selling a home next to an Asbestos dump! So I ask Sir, Why is it fair to my community that this private company should be able to dump Asbestos in our community, devaluing our properties that we have spent our working lives paying for, and polluting our environment with the potential spills that are clearly described in their Environmental Assessment. How can we trust a company that did not tell us, and will not talk to us now about their plan, to tell us if they have a spill that could affect our health? The tipping fees and regulations at our Countyâ? Ts Facility will ensure it is properly monitored for eternity, and not abandoned and forgotten about until unearthed by future generations or damaged, broken and exposed by tree roots and eroding earth. I ask today that you consider that there is already a facility to take Asbestos waste in this county and prevent more land from being needlessly polluted here in Middle Stewiacke. Yours Sincerely

From: <u>@xplornet.ca</u>

To: Environment Assessment Web Account

Subject: Proposed Project Comments **Date:** June 12, 2019 1:06:51 PM

Project: asbestos_waste_disposal_cell_project Comments: As a citizen of Middle Stewiacke my concerns about this project are: Safe transport, disposal and storage of asbestos, road condition of Hwy 289, property values, health concerns for generations to come, environmental assessment calling the location Middle Musquodoboit I do not feel confident that enough adequate studies have been done to protect us I feel it all has been done fast and in secret Name:

From:

To: Minister, Env; Environment Assessment Web Account

Subject: Asbestos Dump in Middle Stewiacke
Date: June 12, 2019 12:38:47 PM

To whom it may concern,

I am a former resident of Middle Stewiacke and currently live in Colchester county. I am a mother of three girls and have children that will go to High School in Brookfield at South Colchester Academy.

I am very concerned about the proposed dump site for asbestos in Middle Stewiacke for two note worthy reasons.

- 1) the trucks transporting asbestos will be travelling past both elementary and high schools in Brookfield along hwy 289
- 2) my parents live very near the proposed dump site (safety, property value, future of the community, etc)

There is an existing dump site in Kemptown. This is where is asbestos needs to continue to be dumped #noasbestosinmiddlestewiacke

I am continually mind blown by the decisions our government makes pertaining to protecting Nova Scotia, it's residents, our health, our beautiful habitats; both land and water.

Please stop trying to reinvent the wheel and continue to use the existing dump site. And while you're at it, put an end to dumping brine into the Stewiacke and Shubi estuary so we don't ruin an amazing and flourishing water way #stopaltongas

Thank you for your time,

From: @gmail.com

To: <u>Environment Assessment Web Account</u>

Cc: Minister, Env

Subject: Asbestos In Middle Stewiacke

Date: June 13, 2019 9:33:15 AM

Hello, My name is I live Middle Stewiacke. I have seven family members living at this address I do not want to risk the health of my children by my government permitting an asbestos dump to locate a short distance away.

We live on the very sharp "S" turns of the highway, speeds reduce to 60 kmh and historically there have been many motor vehicle accidents here. Some involving large commercial vehicles. This section of the highway has not been properly resurfaced in 40 years according to my long time neighbor . I do not want any chance of an asbestos layden truck rolling over in front of my children as they wait to catch the school bus. I do not want to chance the bags of asbestos leaking and releasing the cancer causing dust at my front door.

I am totally against the idea of an asbestos dump in Middle Stewiacke when we already have one in Kemptown. The trucks transporting hospital debris can enter Highway 104 in Truro and remain on the limited access highway almost the entire way to the existing dump in Kemptown not travelling on residential highways.

There is no benefit to this community nor this province to create a second hazardous waste site so close to an existing one. The only benefactor is the dump owner. My wife has stated she does not want our family to stay in the community if this dump goes in. I do not want to uproot my family to benefit one man, , but our children's lives are worth more than the money stands to gain. What will happen to the value of my home with this hazardous waste site just up the road?

Please do not allow this asbestos to be dumped in Middle Stewiacke. Use the existing dump site in Kemptown.

From:

To: Environment Assessment Web Account
Subject: Asbestos site in Middle Stewiacke
Date: June 12, 2019 10:23:30 PM

Hi there I am a life long resident of middle stewiacke and come from a long background here in the valley. I am very concerned about this proposal for a asbestos site here. The air quality and concerns of any spillage. The water that runs through the whole valley also is a major concern. It is unclear to me why another site has to be built here when there is already one up and running in kempton town . This site that they want to out in our valley does in no way benefit our property or our health risks!! Please stop this from happening. ...

Thank you

Concerned citizen

From:

@yahoo.ca

To: <u>Environment Assessment Web Account</u>

Subject: Asbestos Waste Disposal Cell Project Middle Stewiacke

Date: June 13, 2019 8:53:22 AM

Minster,

I believe this site should be denied the request to operate an Asbestos Waste Disposal Cell Project following reasons.

1.

This location is the highest point in the area. As noted in Appendix D Environmental Constraints. Any hazardous waste which is contained there has the possibility to leach from the area to the 3 streams below and into the groundwater or to nearby properties below the site. In the Class1 Environmental Assessment report Highway 289 Middle Stewiacke Nova Scotia, Dated May 2019. Para 7.3.2.1"Since the site monitoring plan has been in place, the water quality has had slight sporadic guideline exceedances for iron, mercury and zinc, and background water quality (SW1) is generally the same as downgradient (SW2 and SW3) water quality". The Construction Debris is leaching off the site then it would reason that asbestos would also leach off the property do to topography.

2.

The Proponent has held an NSE Approval to construct, operate and reclaim a C&D Facility since 1997 however there is a new owner operator from the original proponent, wanting to expand the site greatly from the original NSE Approval. This would cause deforestation of the area causing more water run off. There is currently a hazardous waste facility in Kemptown in Colchester county. Which was not listed in the Class1 Environmental Assessment report Highway 289 Middle Stewiacke Nova Scotia, Dated May 2019.

Thank you for your time.

Date: June 10, 2019

Environmental Assessment Branch Nova Scotia Environment P.O. Box 442 Halifax, NS, B3J 2P8

To whom it may concern,

I am writing to express my serious concerns in regards to the proposed asbestos disposal site in Middle Stewiacke located off highway 289 in Colchester County.

Based on these concerns, I would like to request an abeyance or a rejection of said proposal.

Public Relations and Community Conduct

There are concerns about the magnitude and duration of this project, and the way through which it was communicated to community members. The amount of hazardous goods that are anticipated over the next 20 years are extremely large and therefore a cause of concern. The communication of the project to community members was essentially non existent. One would expect that with a project of this size, that the company in question CCL, would have a public forum, as a measure of good faith to share information, legislation and hear concerns of community members. This company, so far has failed to gain the confidence of the community. We, the constituents of Middle Stewiacke and surrounding areas, lack trust and transparency that this company will act in the best interests of our community and environment.

Location of Proposed Asbestos Site

There is an existing site, in Colchester county that currently accepts Asbestos and other hazardous materials. The Kemptown Balefill Facility is a site that is highly monitored, regulated, and already certified and prepared to receive asbestos. I would also like to draw your attention to the geographical makeup of the Stewiacke Valley, and the current location of the CCL site. The village is situated on the floor of the valley, while the construction and demolition waste site is located at a higher elevation, uphill of homes, farms, and livestock. We are concerned, with runoff, and air current and air flow throughout the valley.

Transportation

We would like to know, how we as the citizens in the area can be assured that the product will be transported appropriately, in double sealed bags, as opposed to bulk transport. Also, our concern is that the current condition of the road, highway 289, is not conducive to safe transport of hazardous materials. The increased weight, and traffic on the road, and the indication that there will potentially be tandem loads hauled to the site, partnered with the deplorable condition of the actual surface and narrow shoulders, as indicated in the Traffic Impact Statement of the Environmental Assessment give rise to grave concerns about the transport of this product through our community, and those that lead to it.

Property Valuation

I am concerned with the value of the property that I own in the vicinity of this proposed hazardous materials site. It is expected, as shown in other areas of the province, in similar situations that adjacent property values depreciate. The current hazardous materials disposal site, located in Kemptown, established an agreement with the surrounding community in which it offers compensation to residents for depreciated land values when they attempt to sell their homes. Will Colchester Containers Limited, or the Province of Nova Scotia enter similar compensation agreement with the residents of Middle Stewiacke if said proposal goes through?

Monitoring and Future Site Maintenance

How often will the site be monitored, and by whom? Will there be testing on air, soil, and water? What is the radius from the proposed cells that this testing will be done? How can we as citizens be assured that this testing will be done by a reputable, impartial third party. We would also like assurances, that this potential approval will not lead to other hazardous materials being placed here at a future date. Who will maintain the site after it has been reclaimed? Is there a plan for eternal maintenance of this area? Who is responsible for this site financially once it closes?

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There are some overall concerns with the more basic parts of the actual assessment. The fact that the site was visited on only 3 dates, in only one season raises some concerns. We live in an environment rich in diversity throughout the year, and much of our diversity in our particular area fluctuates with the seasons. Conditions at the proposed site vary significantly according to the season. The surrounding wetlands, flora and fauna are a treat to behold in any season. It is my opinion that the fact that the site visits which were limited at best, and don't take into account seasonal changes, and therefore, fail to account for the incredible biodiversity in the area.

As I am sure you are aware, of most concern would be the potential health risk, should the asbestos become airborne. The carcinogenic qualities of asbestos, when it is airborne, and the risks associated to its inhalation are well documented. Airborne asbestos particles, via transportation or a "spill" at the site would be of particular concern to those with under developed or otherwise compromised respiratory systems. Also there is cause for concern of the effects of minor long term exposure to those of average health, as well as pets and livestock.

I would like to express that as a member of this community and surrounding area, that the public notification that was posted on May 16 does not give community members an adequate time frame to gather information and ask questions to the involved parties. Nor does the short time span for public comments, allow for timely responses to pertinent questions and concerns from the involved parties.

I am a concerned resident of Colchester County who **does not** support the proposed Asbestos Disposal Cell site located in Middle Stewiacke.

Sincerely,

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I am concerned with the value of the property that I own in the vicinity of this proposed hazardous materials site. It is expected, as shown in other areas of the province, in similar situations that adjacent property values depreciate. The current hazardous materials disposal site, located in Kemptown, established an agreement with the surrounding community in which it offers compensation to residents for depreciated land values when they attempt to sell their homes. Will Colchester Containers Limited, or the Province of Nova Scotia enter similar compensation agreement with the residents of Middle Stewiacke if said proposal goes through?

Monitoring and Future Site Maintenance

How often will the site be monitored, and by whom? Will there be testing on air, soil, and water? What is the radius from the proposed cells that this testing will be done? How can we as citizens be assured that this testing will be done by a reputable, impartial third party. We would also like assurances, that this potential approval will not lead to other hazardous materials being placed here at a future date. Who will maintain the site after it has been reclaimed? Is there a plan for eternal maintenance of this area? Who is responsible for this site financially once it closes?

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I would like to express that as a member of this community and surrounding area, that the public notification that was posted on May 16 does not give community members an adequate time frame to gather information and ask questions to the involved parties. Nor does the short time span for public comments, allow for timely responses to pertinent questions and concerns from the involved parties.

I am a concerned resident of Colchester County who **does not** support the proposed Asbestos Disposal Cell site located in Middle Stewiacke.

Sincerely,

Date: June 13+h/2019

Environmental Assessment Branch Nova Scotia Environment P.O. Box 442 Halifax, NS, B3J 2P8

To whom it may concern,

I am writing to express my serious concerns in regards to the proposed asbestos disposal site in Middle Stewiacke located off highway 289 in Colchester County.

Based on these concerns, I would like to request an abeyance or a rejection of said proposal.

Public Relations and Community Conduct

There are concerns about the magnitude and duration of this project, and the way through which it was communicated to community members. The amount of hazardous goods that are anticipated over the next 20 years are extremely large and therefore a cause of concern. The communication of the project to community members was essentially non existent. One would expect that with a project of this size, that the company in question CCL, would have a public forum, as a measure of good faith to share information, legislation and hear concerns of community members. This company, so far has failed to gain the confidence of the community. We, the constituents of Middle Stewiacke and surrounding areas, lack trust and transparency that this company will act in the best interests of our community and environment.

Location of Proposed Asbestos Site

There is an existing site, in Colchester county that currently accepts Asbestos and other hazardous materials. The Kemptown Balefill Facility is a site that is highly monitored, regulated, and already certified and prepared to receive asbestos. I would also like to draw your attention to the geographical makeup of the Stewiacke Valley, and the current location of the CCL site. The village is situated on the floor of the valley, while the construction and demolition waste site is located at a higher elevation, uphill of homes, farms, and livestock. We are concerned, with runoff, and air current and air flow throughout the valley.

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Sincerely,

From: <u>@nncweb.ca</u>

To: <u>Environment Assessment Web Account</u>

Cc: <u>Minister, Env</u>

Subject:Middle Stewiacke AsbestosDate:June 15, 2019 12:19:51 PM

Attachments: <u>Letter to DOE.docx</u>

Please Find letter of concern attached.

Re: Asbestos Dump Middle Stewiacke.

Dear Minister Wilson,

I am a resident of Middle Stewiacke and the safety Rep with a local chemical company, I feel I have to write to you today to express my concerns regarding the Proposed Asbestos Wates disposal site for Middle Stewiacke.

Reading the Environmental Assessment has raised many questions for me, not least, why would they put it at the top of a hill? There have already been changes in the levels of heavy metals in the water from the existing C&D site at the top of that hill, and every rain brings torrents of water down into the brooks, ditches and properties of the village below, so reading the Environmental Report and noting the number of times and ways it mentions we can expect to have accidental spills and Asbestos released into the environment is quite alarming!

I also have a major concern about the condition of the highway 289, last winter caused the road to deteriorate to what can only be described as rubble, most notably in the village of Middle Stewiacke its self in front homes. These concerns give rise to the questions,

- Are our volunteer first responders trained and equipped to respond to an Asbestos spill? The nearest Hazmat team is 30 kilometers away.
- Will we be told about the accidental spills they advise of in the Environmental assessment? Is there an evacuation plan if these spills take place in the village or on the access road?
- Who & how will our air quality be monitored and at who's expense?
- Will a third party be task to monitor water quality in the wells of the homes below in the village?
- There is no source of permanent year round water on the hill, how will they tackle a fire at the site or a forest fire near the site.

Asbestos legitimately holds a place in the Emergency Response Guide, Fire Fighter clothing only provides minimal protection against Asbestos particles, first responders should wear Self Contained Breathing Apparatus.

- Who is responsible for checking that the constructed cells are at the correct level in the ground? And that the clay walls are constructed properly? How can we be sure that the cells are not compromised during dumping and operation of heavy equipment in the cells?
- What is the surface cell they mention in the Environmental Report,
 This is confusing as the Asbestos Waste Management Regulations,
 Cover Limits #21 (b) describes a final cover material having a depth
 of not less than 125cm. How will this be possible if the cell is a
 "surface cell"?

These are just some of what I feel are legitimate concerns as a home owner who lives directly below the proposed site, there are many obvious errors and omission throughout the report that I'm sure have been pointed out!

Yours sincerely

Minister, Env; Environment Assessment Web Account To:

Cc:

Hello. and I am contacting you today, to ask that Middle Stewiacke not be approved as an asbestos dump site and that Kemptown, which is already approved and staffed be used. Please reconsider Subject:

your decision in this matter.

June 14, 2019 1:58:40 PM Date:

Thank you

To: <u>Environment Assessment Web Account</u>
Subject: PLEASE STOP THE ASBESTOS DUMP

Date: June 13, 2019 8:54:57 AM

To whom it may concern,

I'm writing you in the hope that you will put a stop to dumping of asbestos in the beautiful Middle Stewiacke Valley. There is absolutely no was you could convince me that this project is perfectly safe with absolutely no future issues. I have young children, I also have neighbours with young children. We have moved here to the country to try an avoid high pollution such as this. I'd like to know if (Colchester Containers) would be comfortable living at the bottom of this asbestos dump with his loved ones. I also wonder why a private business even has the authority to propose such a project when it clearly doesn't affect him or his family, it just makes him richer at the expense of all the families here in the valley. There are so many reasons to have cause for concern. So once again I am asking you to please help, reconsider and put a stop to this.

Kind regards,

To: Environment Assessment Web Account Cc: minister.enviropment@novascotia.ca

Subject: Middle Stewiacke Asbestos

Date: June 13, 2019 10:57:32 AM

Good morning

As a resident of the Stewiacke Valley I beg, please put this Middle Stewiacke Asbestos site on hold! There are too many unanswered questions, what will this do to a residential area with our air? Soil? Water? Wildlife? Fish in our streams and brooks that run threw this site?

Who will be trained to deal with Asbestos spills? Accidents? Who will supply the proper PPE to clean up a site/spill if a MVA takes place?

How will you make sure this will not get into our air during transport? You'll be going by schools? Playgrounds? Daycares? Seniors complex's? And our residential homes? Who will protect us?

Why is Kemp Town site not being used? They accept Asbestos, and are qualified to handle this material and have safety procedures in place. Why not use a facility that already exist?

Please Please Please put this site on hold or better yet say NO to this site. Their are too many unanswered questions! Their are new laws were told that are stricter and will protect our environment.

Please say NO to Colchester Containers Until these question are answered!

We hear so much on conservation and pollution, time for our government to step up and say NO MORE DUMP SITES, use the ones that are already in place!

Sincerely a concerned resident of the Stewiacke Valley

Sent from my iPhone

To: Minister, Env; Environment Assessment Web Account; Martin, Frances R

Subject: Potential approval of asbestos dump in Middle Stewiacke

Date: June 14, 2019 12:57:10 PM

Thank you for the opportunity to write to you all concerning the potential approval of an asbestos dump in Middle Stewiacke.

I suspect that many have written with their concerns and I write to add to the weight of this, but with the eye of a scientist. I am a professor in the

Faculty of Agricultural at Dalhousie University.

I have read the environmental assessment report with the eye of a scientist and I find several significant errors and omissions. Firstly the map of wells in the area does not include either the well on my property

nor does it include the well of my neighbors

This is a little troubling to me as my well lies within 3 metres of Bear Brook which is the water course into which runoff from the proposed dump site flows. I also suspect that given the number of properties in the neighborhood there are <u>other wells missing from the map</u>. I believe that all property owners, who draw water from the watershed on which the proposed asbestos dump site is located, should have been informed as a matter of course and that Colchester Containers must hold a face-to-face meeting with those land owners before the approval of the permit can even be considered.

The assessment of wildlife in the area, as required by the Federal government, was not done according to accepted practices. Firstly the person carrying out the study was not qualified to do so and secondly the study dates and study frequency were chosen incorrectly. There should have been a far more extensive study done - especially with regards to threatened and endangered species. I have seen **some evidence of two endangered bumble bees in the area** and although this is not a scientific survey it certainly points to one being warranted before any type of approval can be given. Many species, both large and small, overwinter in the woods of Middle Stewiacke and a comprehensive year-long survey should be undertaken.

In the assessment done by a professional engineering company, Englobe, the company asserts that the site does not meet the Federal requirements for an Environment Canada intervention. Here I quote,

'The Activity does not trigger any Canadian Environmental Assessment Act (CEAA) requirements; under the CEAA Regulations Designating Physical Activities, the Project is not described by:

Item 29: The construction, operation, decommissioning and abandonment of a new facility used exclusively for the treatment, incineration, disposal or recycling of hazardous waste; and

Item 30: The expansion of an existing facility used exclusively for the treatment, incineration, disposal or recycling of hazardous waste that would result in an increase in hazardous waste input capacity of 50% or more.'

I see this differently and interpret both these items as APPLYING TO this site in the context that the site being proposed by Colchester Containers Ltd. is in fact a new facility, within a larger complex on there lands. Thus the application actual does trigger the requirement of a

Federal assessment under the Canadian Environmental Assessment Act. In addition and as I mentioned earlier, the potential of two species of bumble bees being in or around the area certainly suggests that and Federal assessment be completed prior to any decision being made.

One of my areas of expertise, as a scientist, is in the chemistry of the environment. While I have not studied asbestos I have obviously now had occasion to investigate the published scientific literature on asbestos as it pertains to this type of project. There is a growing body of literature, mostly published by Dr. Jane Willenbring, and her coworkers, that indicates that asbestos is **mobile** in the environment and has the potential to seriously harm both the local environment and the local population. I am alarmed that such a dangerous hazardous material, the use of which has now also been banned in Canada, is being considered to be dumped in a totally unsecured site in the 'middle of the woods'. In addition it's storage will be by mechanical covering with local soil and possible CandD waste which has a great potential to puncture the double containment plastic bag system.

Highway 289 from Brookfield to Upper Stewiacke is a road that is in terrible shape. It is used by logging trucks on a very frequent basis and it seems to me that the very road bed itself is severely damaged. This is a concern for local residents but, in the context of the application for a permit to dump asbestos, ups the ante considerably. With increased heavy traffic and now the addition of hazardous waste being transported on this road the likelihood of an accident causing an environmental catastrophe is increased many-fold. Whilst the environmental assessment assures that staff (drivers) will receive the appropriate training to deal with such emergencies it will be the local community (residents and volunteer firefighters) who will most likely bear the brunt of first-response and all the associated dangers that will entail. This hazardous waste traffic will be traveling on other county roads that are not in very good condition while the alternate site in our county for dumping asbestos (see last point below) is just off the Trans Canada Highway with well maintained access roads.

My final point is that I am shocked that our Provincial Government is even considering the approval of this application given that our County Balefile Site in Kemptown is a very secure and registered dump site for asbestos (although it is not one of the sites listed on the Provincial website). The staff at that site are highly trained to handle such waste and the site has both a long-lifetime and also a carefully controlled plan for closure of the site. Furthermore the county has agreements with the neighboring properties to deal with any negative effects on the local properties and the property values for the **long-term**.

In consideration of all of the above I ask that you not grant a permit for the dumping of asbestos in Middle Stewiacke.

If I can be of any help in this matter please do not hesitate to contact me at your convenience.

Thank you for your consideration

From: <u>@nncweb.ca</u>

To: Environment Assessment Web Account

Subject: Proposed Project Comments

Date: June 14, 2019 12:34:48 AM

Project: asbestos_waste_disposal_cell_project Comments:

Asbestos Dump Middle Stewiacke. Dear Sir, I write to you today having read the Class 1 Environmental Assessment submitted by Colchester containers Ltd and Englobe, regarding an Asbestos waste site In Middle Stewiacke. In particular I would like to draw your attention to a few of the oversights, omissions and inaccuracies that have bearing on the scope of this Project. I am appalled that Appendix E was submitted to the Department of Environment for Environmental Assessment by Englobe Colchester Containers, with the incorrect Site Location, Middle Musquodoboit, this is inaccurate and has been confusing, it does little to instill confidence in this Report. I called Englobes Project Manager who was unable to tell what village or County he had been in! 4 Scope page 5 4.1 The Assessment inaccurately states that there is no current Asbestos waste disposal in the County of Colchester, In fact there is a site in full operation and owned by our Municipality. The Kemptown facility is only 17 Kilometers from the town of Truro and is operated in a manner that ensures public safety. It appears that the purpose and need for the undertaking of the site in Middle Stewiacke is negated due to the existence of the Kemptown Facility. 4.4 Project Alternatives page 7 The alternative here has already been discussed in that the Kemptown Facility is built for this purpose. Since Asbestos is not allowed to be transported in the same vehicle in which other cargo is being transported Asbestos waste management Regulations any Asbestos waste would go straight to Kemptown, and not to Middle Stewiacke. 5. Public Involvement page 9 I would like to point out that the Englobe Environmental Assessment states that the public may submit written comments to the provincial Administrator within 48 days of the publication notice, which was May 16th, yet the comments on the Public comment page are actually closing on June 15th, this is confusing to the public as we donâ? Tt know which is correct and some people may miss the deadline! 6.2 Physical Components Page 11 I would like to point out that because the site is 1.2 Kilometers from the nearest house, this does not equate to an uninhabited area as stated in the Report. The wooded areas around the proposed site are working woodlots used by the landowners for work and recreation, and the trails and dirt roads in the area are heavily used by ATV clubs and horse riders! 6.3 Site Preparation page 13, Paragraph 3 A geotechnical Investigationâ? Appendix E At this point I would like to again refer you to the glaring error on the first four pages of Appendix E, referencing Middle Musquodoboit five times on the first four pages as the site location for this Assessment, this is incorrect, inaccurate and confusing as it is not clear where this assessment actually took Place. 6.5 Decommissioning and Reclamation page 13 As a resident of this community I find the lack of a closure plan alarming, there should be something in place for the future, it may be subject to change as regulations change. After decommissioning reclamation, then what? I see no plan for eternal monitoring of the site and therefore I fear abandonment! Who will monitor the cells to ensure that they are not compromised by eroding soils or by the roots of trees compromising the cell structures, or by unaware persons opening the land in the future! 7.3.2.2 Geographical Location page 22 Describes run off from the sides of the hill, however it is not noted in the Environmental Assessment that all run off surface and Storm Water from the FRONT of the proposed site, runs out into small Brooks and then a ditch that drains onto the Properties and into a brook at

, and that in Spring and fall

these run off waters are strong enough to wash out the access road and cause flooding on the properties below. So the Accidental Spillsâ? statement is raising some concern since my well

is located here, also see table 8-1 Surface water and wetlands. 7.3.5.1Page 26 Very concerning is the Habitat study and Botanical Study, there appears to have not been a complete Survey. Noting that the Habitat study was done April 24, May 27 June 27, the study has been done all in one season and Day Time A good way not to find Bats and Owls or Nighthawks would be to not look at night! There was no apparent Night Time calling survey, no winter tracking, and no Wildlife Cams. The Botanical Survey was done in two days June 18th and August 10, this misses all early spring flowering. There are Owls in the woods both on the hill and in the valley and Nighthawks are present in the Village area so likely on the hill also. Operations Manual for Colchester Containers 3. Waste Handling Operations 3.1.2 Placement of Waste. States thatâ? The C D waste is covered weekly. Please see Asbestos Waste Management Regulations, Designated area cover limits #21 No owner, operator or person responsible for an approved waste disposal site shall fail to cover asbestos waste which has been placed in the designated area pursuant to Section 20, a Within 24 hours of burial, with cover material having a depth of not less than 25 cm which cover material shall not include waste material unless approved by an administrator. Do they really plan to only cover it weekly? I would like to point out that it is described a number of times throughout the Report that spills will happen in various place on the site during various activities, and therefore draw your attention to the Asbestos waste handling regulations #8 No person who handles asbestos waste shall permit asbestos fibres or asbestos dust to become airborne. Also there is no permanent source of water on the hill to wet dust with and if they do wet it on the hill, it will all run down! I am also curious to know what was found at the end of Test Pit 8. These are some of the concerns I have and some of the errors and omissions that I have noted in this assessment. In the very least I would have expected to see a more accurate and complete document submitted to the Department of Environment for review. Yours sincerely Name

From:
@gmail.com
To:
Environment Assessment Web Account

Subject: Proposed Project Comments **Date:** June 17, 2019 9:10:31 AM

Project: asbestos_waste_disposal_cell_project Comments: I would like to express my disappointment in this proposal. Firstly the location indicated in the geotechnical report, states a different county. When Englobe was contacted about this, the Engineer in charge of the report could not recall the location where the study had taken place. Secondly, or grave concern is the response in case of a spill. The primary line of defence will be a vegetative barrier. If you are not familiar with the location of the proposed site, and the air currents, this is a particular concern. Im not sure that I want to trust the Trees alone to protect the air quality of our community. Name:

Email:

@gmail.com Address:

: Middle Stewiake Postal-Code: Phone: Fax: ### ### -

email_message: Privacy-Statement: agree x: 43 y: 5

From: <u>Environment</u>

To: <u>Environment Assessment Web Account</u>

Subject: Proposed Project Comments **Date:** June 17, 2019 9:27:56 AM

Project: asbestos_waste_disposal_cell_project Comments: The company that has proposed this site has not communicated at all with the community, and has refused requests to meet with community members. It appears that this community is not a good community steward. Being told that any meeting with community members would be a shit show by answering stupid questions makes this a company that we would rather not have active in our community Also, would the revenue that is created by the asbestos tipping feesnot be better if it benefited the whole municipality. By diverting it to the existing storage facility in Kemptown, as the county councillors have requested the funds would go back in to the public coiffers. It is also disheartening to see the past few days that the company has gone ahead with the site preparation. The land had been cleared prior to the proposal being submitted -- and recently there have been increased traffic to the site, and grubbing has commenced - are there not rules in place to prevent a project from starting until the approval process is complete? Another issue that I take with this, and the environmental assessment in particular, is the fact that the flora and fauna assessments we done on so few site visits. They were only done during the day - which for observing BATs which are seen in the area is not appropriate. There were no seasonal visits- nothing in the fall, winter or dead of summer. That area is a migratory path for herds of deer, some bear and moose, that are now going to be pushed closer to the road. Name: Email: Address: Municipality: Postal-Code: Phone: ### ### - #### Fax: ### ### - #### email_message: Privacy-Statement: agree x: 73 y:

22

Fairclough, Andrea C

From:

@xplornet.ca

Sent:

June 12, 2019 1:00 PM

To:

Minister, Env

Subject:

proposed asbestos dump in Middle Stewiacke

Attachments:

Asbestos FORM Letter .docx

RECEIVED MINISTER'S OFFICE

JUN 122019 54811 NOVA SCOTIA ENVIRONMENT

Attached please find a letter showing my concerns over the proposed Asbestos dump in Middle Stewiacke.

Respectfully,

Date: June 12, 2019

Environmental Assessment Branch Nova Scotia Environment P.O. Box 442 Halifax, NS, B3J 2P8

To whom it may concern,

I am writing to express my serious concerns in regards to the proposed asbestos disposal site in Middle Stewiacke located off highway 289 in Colchester County.

Based on these concerns, I would like to request an abeyance or a rejection of said proposal.

Public Relations and Community Conduct

There are concerns about the magnitude and duration of this project, and the way through which it was communicated to community members. The amount of hazardous goods that are anticipated over the next 20 years are extremely large and therefore a cause of concern. The communication of the project to community members was essentially non existent. One would expect that with a project of this size, that the company in question CCL, would have a public forum, as a measure of good faith to share information, legislation and hear concerns of community members. This company, so far has failed to gain the confidence of the community. We, the constituents of Middle Stewiacke and surrounding areas, lack trust and transparency that this company will act in the best interests of our community and environment.

Location of Proposed Asbestos Site

There is an existing site, in Colchester county that currently accepts Asbestos and other hazardous materials. The Kemptown Balefill Facility is a site that is highly monitored, regulated, and already certified and prepared to receive asbestos. I would also like to draw your attention to the geographical makeup of the Stewiacke Valley, and the current location of the CCL site. The village is situated on the floor of the valley, while the construction and demolition waste site is located at a higher elevation, uphill of homes, farms, and livestock. We are concerned, with runoff, and air current and air flow throughout the valley.

Transportation

We would like to know, how we as the citizens in the area can be assured that the product will be transported appropriately, in double sealed bags, as opposed to bulk transport. Also, our concern is that the current condition of the road, highway 289, is not conducive to safe transport of hazardous materials. The increased weight, and traffic on the road, and the indication that there will potentially be tandem loads hauled to the site, partnered with the deplorable condition of the actual surface and narrow shoulders, as indicated in the Traffic Impact Statement of the Environmental Assessment give rise to grave concerns about the transport of this product through our community, and those that lead to it.

Property Valuation

I am concerned with the value of the property that I own in the vicinity of this proposed hazardous materials site. It is expected, as shown in other areas of the province, in similar situations that adjacent property values depreciate. The current hazardous materials disposal site, located in Kemptown, established an agreement with the surrounding community in which it offers compensation to residents for depreciated land values when they attempt to sell their homes. Will Colchester Containers Limited, or the Province of Nova Scotia enter similar compensation agreement with the residents of Middle Stewiacke if said proposal goes through?

Monitoring and Future Site Maintenance

How often will the site be monitored, and by whom? Will there be testing on air, soil, and water? What is the radius from the proposed cells that this testing will be done? How can we as citizens be assured that this testing will be done by a reputable, impartial third party. We would also like assurances, that this potential approval will not lead to other hazardous materials being placed here at a future date. Who will maintain the site after it has been reclaimed? Is there a plan for eternal maintenance of this area? Who is responsible for this site financially once it closes?

Environmental Assessment

There are some overall concerns with the more basic parts of the actual assessment. The fact that the site was visited on only 3 dates, in only one season raises some concerns. We live in an environment rich in diversity throughout the year, and much of our diversity in our particular area fluctuates with the seasons. Conditions at the proposed site vary significantly according to the season. The surrounding wetlands, flora and fauna are a treat to behold in any season. It is my opinion that the fact that the site visits which were limited at best, and don't take into account seasonal changes, and therefore, fail to account for the incredible biodiversity in the area.

As I am sure you are aware, of most concern would be the potential health risk, should the asbestos become airborne. The carcinogenic qualities of asbestos, when it is airborne, and the risks associated to its inhalation are well documented. Airborne asbestos particles, via transportation or a "spill" at the site would be of particular concern to those with under developed or otherwise compromised respiratory systems. Also there is cause for concern of the effects of minor long term exposure to those of average health, as well as pets and livestock.

I would like to express that as a member of this community and surrounding area, that the public notification that was posted on May 16 does not give community members an adequate time frame to gather information and ask questions to the involved parties. Nor does the short time span for public comments, allow for timely responses to pertinent questions and concerns from the involved parties.

I, am a concerned resident of Middle Stewiacks, Colchester County who does not support the proposed Asbestos Disposal Cell site located in Middle Stewiacke.

Fairclough, Andrea C

From: Sent:

June 13, 2019 8:53 AM

To:

Minister, Env

Subject:

Please Stop The Asbestos Dump

Categories:

Printed and Routed for Response

RECEIVED MINISTER'S OFFICE

@gmail.com>

JUN 1 4 2019

NOVA SCOTIA ENVIRONMENT

To whom it may concern,

I'm writing you in the hope that you will put a stop to dumping of asbestos in the beautiful Middle Stewiacke Valley. There is absolutely no was you could convince me that this project is perfectly safe with absolutely no future issues. I have young children, I also have neighbours with young children. We have moved here to the country to try an avoid high pollution such as this. I'd like to know if (Colchester Containers) would be comfortable living at the bottom of this asbestos dump with his loved ones. I also wonder why a private business even has the authority to propose such a project when it clearly doesn't affect him or his family, it just makes him richer at the expense of all the families here in the valley. There are so many reasons to have cause for concern. So once again I am asking you to please help, reconsider and put a stop to this.

Kind regards,

Sent from my iPad



Municipality of the County of Colchester

www.colchester.ca

OFFICE OF THE MAYOR Mayor@colchester.ca

1 CHURCH STREET TRURO NS B2N 3Z5

(902) 897-3160

RECEIVED MINISTER'S OFFICE

JUN 122019 54828

NOVA SCOTIA ENVIRONMENT

June 5, 2019

The Honorable Gordon Wilson Minister, Nova Scotia Environment P.O. Box 442 Halifax, NS, B3J 2P8

Dear Minister Wilson:

On behalf of Council, I am writing to request that your decision regarding any advancement of the Colchester Containers Limited's Asbestos Waste Disposal Cell Project be held in abeyance until more stringent regulations come into effect.

We are very concerned about the health and safety risks that this development could pose to residents of the area and want to ensure that the highest level of care and attention is taken in this matter.

We would also like to inform you that our Municipality currently offers approved Asbestos Waste Disposal at its Solid Waste Facility in Kemptown.

We have recently learned that our disposal site is not listed on the Nova Scotia Environment website. Although this oversight is currently being looked into, we felt it was important to bring our facility to your attention as you assess whether another facility of this nature in Colchester is necessary.

Thank you for considering our concerns and request. If you have any questions moving forward, please do not hesitate to contact me.

Sincerely.

Christine Blair

Mayor

c. MLA Larry Harrison