

From: Ron Kent [Ron@fsc.ca]  
 Sent: Tuesday, April 24, 2007 11:55 AM  
 To: Zhong Liu  
 Cc: BDuguay@GOV.NU.CA; Phyllis Beaulieu; Richard Dwyer  
 Subject: Re: 3BM-REP amendment application for the landfarming  
 orcontaminated soil storage

Follow Up Flag: Follow up  
 Flag Status: Red

2002-1300-18

Dear Mr. Liu

I must say I am confused by your request for additional information.  
 Our report clearly states that the soil meets industrial soil quality and is stored in the municipal landfill for the useful purpose of cover.  
 I will see what I can do to clarify the calculations meanwhile please consider the following in answer to your specific questions.

1. as-built drawings for the project,  
 There are no as built drawings for the project.
2. the current status of the contaminated soil storage area, The soil is not contaminated.
3. the use of the naturally remediated soil (already reused or not?), and The soil is used for cover for the landfill or it could be used for other purposes.
4. the conceptual decommissioning and restoration plan?  
 The soil will be used as/when needed.

I hope this helps you.

Regards

Ron Kent, P. Eng.  
 Manager, Environmental Engineering  
 FSC Architects & Engineers  
 4910 53rd Street, P. O. Box 1777  
 Yellowknife, NWT X1A 2P4  
 Tel: (867) 920-2882  
 Fax: (867) 920-4319  
 website: <http://www.fsc.ca>

>>> "Zhong Liu" <tech4@nunavutwaterboard.org> 04/19/07 11:53 AM >>>  
 Dear Mr. Kent,

Thank you for your prompt reply. We already have the report you sent to me with your reply.

I noticed that the total amount of the contaminated soil seems to be 1890 cubic meters (p7 of the final report dated Sept. 9, 2005). For the  
 In addition, could you kindly provide the NWB 1. as-built drawings for the project, 2. the current status of the contaminated soil storage area

Best regards,

Zhong Liu

-----Original Message-----

From: Ron Kent [mailto:Ron@fsc.ca]  
 Sent: Thursday, April 19, 2007 11:05 AM  
 To: Zhong Liu  
 Cc: Kevin Hodgins; BDuguay@GOV.NU.CA  
 Subject: RE: 02042007 - 2002 1350 18 Re: Amendment Application forasoil disposal facility in Whale Cove

2002-1350-18 (file w/o attachment)

Dear Mr. Liu

Please find attached FSC's final report on the Repulse Bay remediation project. The project was successful in several ways:

- \* We were able to clean up the entire contaminated site without collecting an excess of clean material.
- \* Through the application of good civil engineering technique, we are able to place the contaminated soil in shallow layers so that it remediated naturally in just a few weeks.
- \* We were able to save our client the additional considerable expense of designing, building, operating, and decommissioning a landfarm.

FSC is well aware of the new Environment Canada guidelines for landfarms. They were written in part by a colleague and former FSC employee,  
 FSC believes in using the latest proven technology to solve engineering problems. Environment Canada's guideline is another useful tool that  
 I hope this provides you with the information you seek.

Regards

Ron Kent, P. Eng.  
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 FSC Architects & Engineers  
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>>> "Zhong Liu" <tech4@nunavutwaterboard.org> 04/19/07 10:37 AM >>>  
 Dear Mr. Kent,

In Mr. Kevin Hodgins' letter dated Mar. 6, 2007, the contaminated soil storage in Repulse Bay was used as a successful example. However, it

Best regards,

Zhong Liu

-----Original Message-----

From: Ron Kent [mailto:Ron@fsc.ca]  
Sent: Friday, April 13, 2007 2:24 PM  
To: Kevin Hodgins; Zhong Liu  
Cc: Andrew Johnson; 'Brian Duguay'; 'Phyllis Beaulieu'; saowc@qiniq.com

Subject: RE: 02042007 - 2002 1350 18 Re: Amendment Application for  
asoildisposal facility in Whale Cove

2002-1350-18

Dear Mr. Liu

Kevin asked me to reply to your questions.

Paragraph #1. Yes, that is the location of the stored soil. Please find attached a revised map with an arrow that points toward the location. Please discard the previous map.

Paragraph #2 The larger number was an early estimate of the potential amount of contaminated soil based on previous work of similar scope in different community. This estimate was made before FSC had formally visited the site or had been provided all the existing documentation.

The estimate was found to be incorrect. In fact, from FSC's August 25, 2006 construction report summary, the actual amount excavated to clean the site was much less - 164 cubic metres. This is now the volume that rests in storage.

The storage site was surrounded with soil berms to reduce the potential for surface runoff to enter or leave the stored soil. This has been accomplished, however, no as-built drawings exist at this time.

As to a contingency plan, there is no urgent need for the soil in another project at this time. Therefore, it can remain in storage until it meets the appropriate CCME guideline.

I hope this provides the information you seek.

Regards

Ron Kent, P. Eng.  
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>>> "Zhong Liu" <tech4@nunavutwaterboard.org> 04/10/07 3:53 PM >>>  
Dear Mr. Hodgins,

I understand that no mapping exists for the old quarry in a scale suitable to show the exact location of the stored soil, and you had provided the best mapping available. However, there is no clear indication in the map you provided. I would like to know whether the area marked but no arrow pointed in the map is the place for contaminated soil.

In addition, was the contaminated soil already excavated and mobilized to the above place in summer 2006? What is the amount (1420 or 100 cubic meters)? Are there any other design drawings or as-built drawings for the contaminated soil storage facility than the concept design drawings of a lined landfarm, which is the contingency plan in case the contaminated soil exceeds related CCME guidelines?

Best regards,

Zhong Liu

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From: Kevin Hodgins [mailto:Kevin@fsc.ca]  
Sent: Monday, April 02, 2007 4:45 PM  
To: Zhong Liu  
Cc: Filing Filer; Ron Kent; Brian Duguay; Phyllis Beaulieu;

saowc@qiniq.com  
Subject: 02042007 - 2002 1350 18 Re: Amendment Application for a  
soildisposal facility in Whale Cove

2002 1350 18

Dear Mr. Zhong Liu,

I met with CGS Representatives in Rankin Inlet last week regarding  
this  
project.

They asked that I review our responses to you on this matter.

Please find attached a copy of our letter dated March 6 that provides  
responses to your queries.

I know that some of our earlier email transmissions to you were not  
successful.

Please confirm that you receive this.

If you have any further questions please feel free to contact me.

with regards,

Kevin.

FSC Architects & Engineers

Kevin Hodgins, P. Eng.  
Principal

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>>> "Zhong Liu" <tech4@nunavutwaterboard.org> 3/6/2007 10:58:42 AM >>>

Dear Mr. Hodgins,

Enclosed please find the attachment about the above file.

Best regards,

Zhong Liu, MASC., MBA, MSc.

Technical Advisor

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