

DATE: July 11, 2014

TO: Tania Steele

FROM: Eshetu Beshada, Ph.D., P.Eng.
Environmental Engineer
Mines and Wastewater Section
123 Main Street
Ste. 160 Union Station
Winnipeg, Mb R3C 1A5
Ph:204 945-7023

SUBJECT: **Canadian Linen & Uniform Service Inc. – Information for Public Registries**

Tania,

Please find attached the proponent correspondence related to the Canadian Linen & Uniform Service Inc. file (5712.00) for distribution to the public registries. The documents included are:

- June 25, 2014 email from, Helm Forster, 2 page
- June 26, 2014 memo from Sonja Bridges, 1 page
- July 10, 2014 email from Clark Alan, 2 page

5 pages total

Thank you.

Eshetu Beshada, Ph.D., P. Eng.

Beshada, Eshetu (CWS)

From: Forster, Helm [<mailto:Helm.Forster@canadianlinen.com>]
Sent: June-25-14 3:44 PM
To: Beshada, Eshetu (CWS)
Cc: alan.clark@iwcl.ca; Burlingame, Jim; Koswin, Ron
Subject: FW: File 5712 - Canadian Linen - EAP Review Comments

Hello here are the comets you asked for.

- 1 A. The system was started April 1 / 2014.
 - B. DAF is cleaned once a week as well as the Voc and the press is cleaned once/day.
 - C. We have a rotating shift and one man work in the DAF room for a Month 8 hrs /day.
 - D. The testing is done every two hrs by the shift operator.

2. A. The Voc tests were started in April to the end of May.
 - B. Each of the shift operator have their own respirators.
 - C. The well that is being mentioned (the pipe was 30" above the asphalt with a mental sealed cap on it) and was never used when Canadian Linen took over in 1998. When we added the DAF room in 2013 the contractor had some well company come in and stated that they will have to cut down the pipe and seal the inside of the pipe before the ground can be covered.

Helm Forster, Chief Engineer/Maintenance Manager
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People You Can Count On



From: "Beshada, Eshetu (CWS)" <Eshetu.Beshada@gov.mb.ca>
Date: Mon, 23 Jun 2014 14:46:34 +0000
To: Alan Clark<alan.clark@iwcl.ca>
Subject: File 5712 - Canadian Linen - EAP Review Comments

Hello Alan,

The EAP review period for the subject proposal has been completed. I have attached comments from two TAC members. Please send me your response addressing their concern.

Regards

Eshetu Beshada, PhD, P. Eng.
Environmental Approvals Branch
Manitoba Conservation and Water Stewardship
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DATE: June 26, 2014

TO: Eshetu Beshada, P. Eng.
Environmental Approvals Branch
Conservation and Water Stewardship
123 Main Street, Suite. 160
Winnipeg, MB R3C 1A5

FROM: Sonja Bridges
Environmental Compliance and
Enforcement
1007 Century Street
Winnipeg, MB R3H 0W4

PHONE NO.: (204) 918-4271

SUBJECT: Review of Environment Act Proposal for Canadian Linen and Uniform Services Inc. –
Client File No. 5712.00

The Environmental Compliance and Enforcement Branch of Manitoba Conservation and Water Stewardship has reviewed the supplementary information provided on June 25, 2014 for the above noted proposal and would like to make the following comments:

The information provided does not accurately address the comment regarding VOC emissions. Page 9 of the EAP specifically states,

“Using wastewater sample collected by IWCL, a model was created to estimate the mass of VOCs emitted to the air as a result of the wastewater treatment process. The model assumes that 100% of waterborne VOCs will be removed and discharged to the air. Further, the model was run using the highest concentrations of VOCs detected during the sampling (see Appendix H)”

The sample results in Appendix H indicate that one water sample was collected on Dec.16, 2013 and two more were collected on Dec. 17, 2013. The samples were submitted to Maxxam Laboratory on Dec. 17, 2013 for analysis of VOCs in water by HS GC/MS.

The model IWCL used to estimate annual VOC emissions is based on one round of sampling that does not accurately reflect what the VOC concentrations in the wastewater are during high volume processing (peak flow) versus low volume processing (low flow).

If additional VOC sampling was conducted from April through May 2013 as stated in the supplementary information provided, why were those sample results not included in the model or provided in Appendix H? Please clarify.

Beshada, Eshetu (CWS)

From: Alan Clark [<mailto:alan.clark@iwcl.ca>]
Sent: July-10-14 3:23 PM
To: Beshada, Eshetu (CWS)
Cc: Norm Carr
Subject: RE: File 5712 - Canadian Linen - EAP Review Comments

Hi Eshetu,

Regarding the ECEB additional info request;

The attached Excel file contains the VOC concentrations from all of the samples collected to date. The model was run using the highest concentrations of VOCs detected during the December 16-17 sampling (the concentrations used are highlighted in yellow in the Excel file). The model was run in this manner to provide a worst case scenario for the volume of VOCs to be released to atmosphere during treatment. The subsequent sampling results have been below the levels used in the model.

The EAP report contained only the December 16-17 samples, as the other sampling took place after the report was submitted. The sampling which commenced in March, 2014 is intended to provide confirmation to Canadian Linen that the wastewater treatment system is functioning as designed. A monthly sampling program will be implemented to confirm compliance with the City's discharge limits and to generate more accurate VOC emission rates commencing in August. Parameters to be sampled: BOD, TSS, VOC's, metals and oil & grease.

Please let us know if there is anything else that you require.

Alan

From: Beshada, Eshetu (CWS) [<mailto:Eshetu.Beshada@gov.mb.ca>]
Sent: July-10-14 3:23 PM
To: Alan Clark
Subject: RE: File 5712 - Canadian Linen - EAP Review Comments

Hi Alan,

Thank you for your response. For the response provided by Mr Forster there has been a more detailed information requested. Please see the attached message for detail. Please address the concern and send back to me your response.

Regards

*Eshetu Beshada, PhD, PEng.
Environmental Engineer*

Ph: (204) 945-7023
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Concentration (ug/L)

Sample Date	Toluene	Ethylbenzene	Xylenes (total)	Tetrachloroethene	Bromidochloromethane
16-Dec-13	730	120	820	210	<1
17Dec2013 @ 09:15	36	7.8	61	8.3	1.4
17Dec2013 @ 14:30	330	17	99	1.5	1.1
30-Jan-14	450	11	70	56	<5
18-Mar-14	150	13	82	65	1.2
19-Mar-14	380	5.7	42	1.8	1.1
23-Apr-14	400	6.1	67	4.4	ND
06-May-14	180	5.2	41	95	ND
12-May-14	13	0.8	7	1.9	ND