



Date: September 20, 2013

File: 5659.00

To: Tania Steele
Licensing Clerk
Environmental Approvals Branch
123 Main Street
Ste. 160 Union Station
Winnipeg, Mb R3C 1A5

From: Rob Boswick, P. Eng.
Environmental Engineer
Environmental Approvals Branch
123 Main Street
Ste. 160 Union Station
Winnipeg, Mb R3C 1A5

Subject: **City of Steinbach – Land Application of Lagoon Biosolids – EAP Material to Public Registries**

Please distribute the attached material pertaining to the City of Steinbach – Land Application of Lagoon Biosolids Environment Act Proposal review to the appropriate Public Registries.

Attached are:

1. Letter (2 pages) from Environmental Approvals Branch – Manitoba Conservation and Water Stewardship to City of Steinbach, dated September 16, 2013;
2. Memorandum (2 pages) from Community Planning Services, Steinbach – Manitoba Local Government, dated September 9, 2013;
3. Email message (2 pages) from Fisheries Branch – Manitoba Conservation and Water Stewardship, dated September 6, 2013;
4. Email message (2 pages) from Livestock Section – Manitoba Conservation and Water Stewardship, dated September 5, 2013;
5. Memorandum (2 pages) from Water Quality Management Section, Water Science and Management Branch – Manitoba Conservation and Water Stewardship, dated September 5, 2013;
6. Email message (1 page) from Air Quality Section, Environmental Programs and Strategies – Manitoba Conservation and Water Stewardship, dated September 5, 2013;
7. Email message (1 page) from Watersheds and Protected Areas Branch and Lands Branch – Manitoba Conservation and Water Stewardship, dated September 3, 2013;
8. Memorandum (1 page) from Environmental Compliance and Enforcement Branch – Manitoba Conservation and Water Stewardship, dated August 30, 2013;
9. Email message (1 page) from Office of Drinking Water – Manitoba Conservation and Water Stewardship, dated August 28, 2013;
10. Email message (1 pages) from Office of the Fire Commissioner – Manitoba Family Services and Labour, dated August 26, 2013;
11. Email message (1 page) from Parks and Natural Areas Branch – Manitoba Conservation and Water Stewardship, dated August 23, 2013;

12. Email message (1 page) from Chief Medical Office – Manitoba Health, dated August 20, 2013;
13. Letter (1 page) from Environmental Services Section, Highway Planning and Design Branch – Manitoba Infrastructure and Transportation, dated August 8, 2013; and
14. Email message (1 page) from Water Use Licensing Section – Manitoba Conservation and Water Stewardship, dated August 7, 2013.

There are a total of **19 pages** attached to this memo.

Thank you,

A handwritten signature in black ink that reads "Rob Boswick". The signature is written in a cursive, slightly slanted style.

Rob Boswick
Attachments



Conservation and Water Stewardship

Climate Change and Environmental Protection Division
Environmental Approvals Branch
123 Main Street, Suite 180, Winnipeg, Manitoba R3C 1A5
T 204 945-8321 F 204 945-5229
www.gov.mb.ca/conservation/eal

File: 5659.00

September 16, 2013

Mike Heppner
225 Reimer Avenue
Steinbach, MB R5G 2J1

Dear Mr. Heppner:

Re: City of Steinbach Land Application of Lagoon Biosolids – Environment Act Proposal

The initial review of the City of Steinbach's Environment Act Proposal (EAP) regarding the proposed land application of biosolids from the City's aerated wastewater treatment lagoon has been completed.

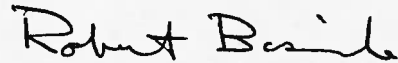
The initial review has generated comments and requests for additional information. Please respond to the comments and requests from the Technical Advisory Committee presented in the attached items being:

1. Memorandum from Community Planning Services – Manitoba Local Government, dated September 9, 2013;
2. Email message from Fisheries Science and Fish Culture Section, Fisheries Branch – Manitoba Conservation and Water Stewardship, dated September 6, 2013;
3. Email message from Livestock Section, Climate Change and Environmental Protection Branch – Manitoba Conservation and Water Stewardship, dated September 5, 2013;
4. Memorandum from Water Quality Management Section, Water Science and Management Branch – Manitoba Conservation and Water Stewardship, dated September 5, 2013; and
5. Memorandum from Environmental Compliance and Enforcement – Manitoba Conservation and Water Stewardship, dated August 30, 2013.

Please address and respond to the comments and requests for additional information. Resulting responses that are specifically pertinent to the EAP review are to be directed through Manitoba Conservation and Water Stewardship's Environmental Approvals Branch. The EAP review process will continue upon receipt of your response.

If you have any questions or would like to discuss these items, please contact me at 204-945-6030.

Yours truly,



Robert Boswick, P. Eng.
Environmental Engineer

Attachments

- c: Darren Keam, M.Sc., P.Ag., Senior Soil Scientist – MMM Group Limited
(via email KeamD@mmm.ca)
- Don Labossiere, Director – Environmental Compliance and Enforcement, Manitoba
Conservation and Water Stewardship
- Public Registries**

DATE: September 9, 2013

TO: Rob Boswick
Environmental Approvals
Manitoba Conservation
123 Main Street
Winnipeg, MB R3C 1A5

FROM: Allison Driedger
Community Planner
Community Planning Services
Intergovernmental Affairs
240-323 Main St.
Steinbach, MB R5G 1Z2
PHONE: 204-346-6244
FAX: 204-346-7305

SUBJECT: City of Steinbach Land Application of Biosolids

Steinbach Community and Regional Planning reviewed this application for any potential areas of concern to be addressed as part of the environmental evaluation pursuant to *The Environment Act*. The proposal is to apply biosolids from the Steinbach sewage lagoon onto surrounding land.

The City of Steinbach is proposing to apply Biosolids from the wastewater treatment lagoon onto approximately 770 acres of nearby land. The Environment Act Proposal done by MMM Group indicates Biosolids from Cells 1 and 2 will be excavated and applied via incorporation on privately owned and City of Steinbach owned land.

The Steinbach wastewater treatment lagoon is located in the Rural Municipality of Hanover. However, lands proposed for biosolids application are located partly in the City of Steinbach and partly in the RM of Hanover. The fields located within the RM of Hanover are designated "Rural Area" in the RM of Hanover Development Plan. The proposed spread fields located in the City of Steinbach, in the NW ¼ 11-7-6 EPM are designated partly "Parks and Green Space" and partly "Industrial Policy Area".

The RM of Hanover Development Plan Policy 3.3.23 states sewage treatment lagoons "should locate in rural areas ...where their activities or nature is more suitable to a rural location...and shall be listed as either permitted or conditional uses in the zoning by-law". The development plan policy 3.3.2 also states that agricultural activities should remain the dominant land use in the Rural Areas.

The subject land in the RM of Hanover is zoned "R" Rural Zone in the RM of Hanover Zoning By-law. The Zoning By-law states lagoons for the storage and/or treatment of domestic sewage are conditional uses in the "R" zone and require a minimum site area of 20 acres and a minimum site width of 400 feet.

The subject land in the City of Steinbach is zoned partly "A" Agricultural Zone and partly "M1" Light Industrial in the City of Steinbach Zoning By-law. Agricultural activities are provided for in

the "A" district. However, the "M1" zone is intended to provide for light manufacturing, processing, service, storage wholesale and distribution operations with all operations contained within an enclosed building with some limited outside storage. This office seriously questions whether the application of biosolids is appropriate in an area zoned "M1" Light Industrial.

There are a number of single family dwellings, a museum and light industrial uses in close proximity to proposed application sites in the City of Steinbach. This raises concerns about separation distances and the incremental impact of increased odour on individual dwellings and local attractions.

Thank you for the opportunity to comment.

Sent by email

Allison Driedger

Boswick, Robert (CWS)

From: Janusz, Laureen R (CWS)
Sent: September-06-13 11:40 AM
To: Boswick, Robert (CWS)
Cc: Kroeker, Derek (CWS); Long, Jeff (CWS)
Subject: EAP 5659.00 City of Steinbach Lagoon Biosolids Land Appl. due Sept 6 2013

Hi Robert,

Fisheries Branch has reviewed this proposal to apply biosolid material from the city of Steinbach wastewater treatment lagoon Cells 1 and 2 onto land within 7-6 E. As noted in the proposal Manning Canal and tributaries are situated within this area. If the local study areas shown in Figure 2 are the proposed areas where the biosolids will be applied then there are a number either adjacent to surface water. The applicants have indicated that they will *incorporate biosolid material within 48 hours or less of surface application and ensure setback distances of 8 m, according to the Nutrient Management Regulation, will be established around all Order 3 or higher drains* to minimize any potential for biosolids to enter the water.

Some of the proposed parcels are shown adjacent to second order surface waters. According to the Nutrient Management Regulations, biosolids can be applied right up to but not through these features.

Fisheries Branch has been requesting the retention of a 15 m riparian area adjacent to 1st and 2nd order surface waters and 30 m on 3rd order and higher as well as lakes. From the figures provided it would appear that currently there are limited riparian features left along any of surface waters. We would strongly encourage the incorporation of higher setback values but at minimum would request 8 m on all features regardless of the order. These surface waters all contribute to the health of the downstream receiving waters.

Thanks Robert.

Fisheries Science and Fish Culture Section
Fisheries Branch
Conservation and Water Stewardship
Phone: 204 945-7789
Cell: 204 793-1154
Email: Laureen.Janusz@gov.mb.ca

From: Steele, Tania (CWS)
Sent: August-07-13 10:46 AM
To: Schindler, Dennis (MAFRI); Kaita, Adara (CWS); Labossiere, Don (CWS); Molod, Rommel (CWS); Streich, Laurie (CWS); Kanya, Veronika (CWS); Firlotte, Nicole (CWS); Kelly, Jason (CWS); Keenan, Phil (CWS); Missyabit, Ron (CWS); Hay, David (CWS); Page, Elaine (CWS); Phipps, Graham (CWS); Albangco, Elvira (CWS); Janusz, Laureen R (CWS); Stibbard, James (CWS); Matthews, Rob (CWS); Reimer, Geoff P (CWS); +WPG574 - HRB (CHT); Cunningham, Neil (CWS); Roberecki, Susan (HEALTH); Roberts, Tracy (HEALTH); +WPG969 - MIT Environmental Services Section (MIT); Shaler, Samantha (MLG); Allum, Brad (MIT); Schafer, Dave (OFC); Kubish, Cheryl (OFC); Smiley, Donna (CWS); Nedotiafko, Rob (CWS); Campbell, Lyle (CWS)
Cc: Boswick, Robert (CWS)
Subject: Review and comments request due Sept. 6, 2013 - City of Steinbach Lagoon Biosolids Land Appl. - File: 5659.00

Your review and comments would be appreciated for the attached Proposal submitted pursuant to *The Environment Act*:

<http://www.gov.mb.ca/conservation/eal/registries/5659steinbach/index.html>

The contact person assigned to co-ordinate review and assessment of the Proposal is:

Robert Boswick @ 204-945-6030. Email replies are programmed to automatically deliver to robert.boswick@gov.mb.ca.

Please indicate to the contact person if you are unable to review the proposal. A non-reply will be considered as indicating your department has reviewed the proposal and has no concerns.

Any comments you have on the Proposal should be emailed by **September 6 , 2013.**

****No hard copies will be provided****

Thank you.

Sent on behalf of:

Robert Boswick, P.Eng.

Environmental Engineer

Manitoba Conservation and Water Stewardship

REGULAR MAIL - 160-123 Main Street (BOX 80), Winnipeg MB R3C 1A5

COURIERS - 2nd Floor 123 Main Street, Winnipeg MB R3C 1A5

e-mail: robert.boswick@gov.mb.ca

Ph. (204) 945-6030

Cellular (204) 918-5853

FAX: (204) 945-5229

Boswick, Robert (CWS)

From: Webb, Jen (CWS)
Sent: September-05-13 7:38 AM
To: Boswick, Robert (CWS)
Cc: Smith, Diane (CWS); Streich, Laurie (CWS)
Subject: File Number: 5459.00 City of Steinbach

Proponent: City of Steinbach
Facility: Land Application of Sludge Lagoon Biosolids
File Number: 5459.00
EALB Contact: Robert Boswick
Comments due: September 06, 2013

The Livestock Section of Climate Change and Environmental Protection Branch has reviewed the City of Steinbach proposal and has the following comments/recommendations:

Monitoring and Reporting

- It is strongly recommended that an annual soil nutrient monitoring report be provided to demonstrate that biosolid nutrient application was acceptable. The report should be submitted to Manitoba Conservation and Water Stewardship and all land owners involved. It should be conducted after harvest each year for the three year project for all lands which receive biosolids. The bench mark soil sampling strategy should be used to monitor soil nutrient concentrations.

Stockpiled Biosolids

- It is strongly recommended the proponent provide a detailed strategy on how to prevent and/or mitigate any leached nutrients from the stockpiled biosolids once removed from the storage area.
- It is recommended the proponent provide details where the biosolids from Cell 2 will be stored.

Available Land for Biosolid Application

- The following fields available for biosolid application identified in Table 2.2 do not have a corresponding Landowner Agreement.
 - NE 22-07-06 EPM1
 - SE 22-07-06E
 - NE 08-07-06 E
- The proponent must obtain corresponding Landowner Agreements in order to ensure there are sufficient suitable lands available for biosolid application.

Biosolid Application Timing

- It is strongly recommended biosolids be incorporated no less the 48 hours after land application in order to reduce the risk of nutrients escaping into surface water as well as reduce nuisance odour.
- Biosolid application shall be incorporated no less the 48 hours after land application between September 10 and November 10. The 'local study area' falls within the Red River Valley Special Management Area (RRSVA) and is susceptible to nutrient loss through runoff/snowmelt events increasing the risk of nutrient losses to surface water.
- Biosolid application shall be prohibited between November 10 of one year and April 10 of the following year.

Biosolid Application Rate

- 'Phosphorus-removal' based biosolid application rates shall be calculated using recent soil nutrient analysis and must be in compliance with the phosphorus thresholds as outlined in the Nutrient Management Regulation (MR 62/08) and the Livestock Manure and Mortalities Management Regulation (MR 42/98).
- Biosolid application shall be prohibited on lands with soil test phosphorus 180 ppm or greater.

- Biosolid application shall be prohibited on land with soil nitrate-nitrogen exceeding Nutrient Management Zone limits.

Environmental Program and Strategies requests the proponent to clarify the following:

- Section 2.3.2:
 - E ½ 15-7-6 E is identified as a field available for biosolid application in Figures 2 to 7 and has an associated landowner agreement. However, this field is not identified in Table 2.2.
 - SW 10-07-06 EPM is also referred to as an available field (page 6), however, it is not identified in Table 2.2 nor is has an associated Landowner Agreement.
- Figure 6:
 - The portions of NE and SE 08-07-06 EPM have been identified incorrectly as soil series OBOd. These portions are mapped as GNL5-OBOd5, as referenced in the Soils of the Rural Municipality of Hanover Report D82 (Hopkins et al., 1993).
- Section 4.1.3
 - The regulated soil residual nitrate nitrogen limit for Zone N3 is referenced incorrectly as 90 lb ac⁻¹. The regulated limit for Zone N3 is 30 lb ac⁻¹.
- Table 5.2
 - Provide calculations and formulas for Available Organic N, Total Available Nitrogen (years 1 to 3).

Jen Webb
Livestock Section Manager
Manitoba Conservation and Water Stewardship
1007 Century Street
Winnipeg, MB R3H 0W4
Ph: 204-795-6146
Fax: 204-948-2420



DATE: September 5, 2013

Memorandum

TO: Robert Boswick
Environmental Approvals Branch
160-123 Main Street, Winnipeg,
MB
R3C 1A5

FROM: Joy Kennedy
Water Quality Management Section
Water Science and Management Branch
160-123 Main Street, Winnipeg, MB
R3C 1A5

Cc: David Hay

TELEPHONE: 945-7908
FACSIMILE: 948-2357
EMAIL: joy.kennedy@gov.mb.ca

SUBJECT: *ENVIRONMENT ACT PROPOSAL FILE: 5659.00 CITY OF STEINBACH
LAND APPLICATION OF LAGOON BIOSOLIDS*

- Each application, from Cell 1 and Cell 2, should be calculated to meet the *Nutrient Management Regulation* (62/2008) which requires that in nutrient management zone N1 where Olsen soil test P, within the top 15 cm, is from 60 to <120 ppm the maximum allowable nutrient application is at 2 times the crop removal rate of P₂O₅. If Olsen soil test P is 120 to <180 ppm the maximum allowable nutrient application is 1 times the crop removal rate of P₂O₅.
- Each of the proposed biosolid application rate calculations should be forwarded to Manitoba for review.
 - The Water Quality Management Section recommends laboratory analysis for nutrient and metal concentrations on Cell 2 biosolids for use in application rate calculations.
- An order 3 drain runs through section NW 10-7-6e. As per the *Nutrient Management Regulation* (62/2008) a Nutrient Buffer Zone of 3m if vegetated and 8m if not covered must be observed. The Nutrient Buffer Zone should be measured from the water body's high water mark or the top of the outermost bank on that side of the water body, whichever is further from the water.
- Maps indicate that section SE 8-7-6e may contain a wetland that supports hydrophytic vegetation. As per the *Nutrient Management Regulation* (62/2008) a Nutrient Buffer Zone around a wetland of the distance between the water's edge and the high water mark must be observed.
 - Can the proponent please confirm that the total area of the setbacks from Table 6.3 of proposal and the Nutrient Buffer Zones mentioned above are excluded from the land base calculation?

-
- In a given year, the *Nutrient Management Regulation* (62/2008) requires that no person shall apply sludge between November 10 and April 10.
 - The Water Quality Management Section is concerned with any discharges that have the potential to impact the aquatic environment and/or restrict present and future uses of the water. Therefore it is recommended that the license require the proponent to actively participate in any future watershed based management study, plan/or nutrient reduction program, approved by the Director.
 - The Water Quality Management Section is concerned with any discharges that have the potential to impact the aquatic environment and/or restrict present and future uses of the water. Therefore it is recommended that the license require the proponent to actively participate in any future watershed based management study, plan/or nutrient reduction program, approved by the Director.

Joy Kennedy

From: Molod, Rommel (CWS)
Sent: September-05-13 1:09 PM
To: Boswick, Robert (CWS)
Cc: Ibn Azkar, Muntaseer; Streich, Laurie (CWS)
Subject: RE: Review and comments request due Sept. 6, 2013 - City of Steinbach Lagoon Biosolids Land Appl. - File: 5659.00

Rob, Air Quality has reviewed above proposal and provide the following comments :

- It is expected that best practices and appropriate control measures will be utilized to minimize dust generation and vehicle/heavy equipment emissions during transportation of biosolid materials.
- It is suggested that the EA License Clause regarding odour nuisance be included.

Thank you for the opportunity to review.

Rommel

From: Steele, Tania (CWS)
Sent: August-07-13 10:46 AM
To: Schindler, Dennis (MAFRI); Kaita, Adara (CWS); Labossiere, Don (CWS); Molod, Rommel (CWS); Streich, Laurie (CWS); Kanya, Veronika (CWS); Firlotte, Nicole (CWS); Kelly, Jason (CWS); Keenan, Phil (CWS); Missyabit, Ron (CWS); Hay, David (CWS); Page, Elaine (CWS); Phipps, Graham (CWS); Albangco, Elvira (CWS); Janusz, Laureen R (CWS); Stibbard, James (CWS); Matthews, Rob (CWS); Reimer, Geoff P (CWS); +WPG574 - HRB (CHT); Cunningham, Neil (CWS); Roberecki, Susan (HEALTH); Roberts, Tracy (HEALTH); +WPG969 - MIT Environmental Services Section (MIT); Shaler, Samantha (MLG); Allum, Brad (MIT); Schafer, Dave (OFC); Kubish, Cheryl (OFC); Smiley, Donna (CWS); Nedotiafko, Rob (CWS); Campbell, Lyle (CWS)
Cc: Boswick, Robert (CWS)
Subject: Review and comments request due Sept. 6, 2013 - City of Steinbach Lagoon Biosolids Land Appl. - File: 5659.00

Your review and comments would be appreciated for the attached Proposal submitted pursuant to *The Environment Act*:

<http://www.gov.mb.ca/conservation/eal/registries/5659steinbach/index.html>

The contact person assigned to co-ordinate review and assessment of the Proposal is:

Robert Boswick @ 204-945-6030. Email replies are programmed to automatically deliver to robert.boswick@gov.mb.ca.

Please indicate to the contact person if you are unable to review the proposal. A non-reply will be considered as indicating your department has reviewed the proposal and has no concerns.

Any comments you have on the Proposal should be emailed by **September 6 , 2013.**

****No hard copies will be provided****

Thank you.

Sent on behalf of:

Robert Boswick, P.Eng.

Environmental Engineer

Manitoba Conservation and Water Stewardship

REGULAR MAIL - 160-123 Main Street (BOX 80), Winnipeg MB R3C 1A5

COURIERS - 2nd Floor 123 Main Street, Winnipeg MB R3C 1A5

e-mail: robert.boswick@gov.mb.ca

Ph. (204) 945-6030

Cellular (204) 918-5853

FAX: (204) 945-5229

Boswick, Robert (CWS)

From: Kaita, Adara (CWS) on behalf of +WPG1212 - Conservation_Circulars (CWS)
Sent: September-03-13 11:25 AM
To: Boswick, Robert (CWS)
Subject: EA Proposal - City of Steinbach - Lagoon Biosolids - File: 5659.00

Hi Robert,

The Watersheds and Protected Areas Branch has no concerns. The Lands Branch supports the comments submitted by the Environmental Enforcement and Compliance Branch.

Thanks,

Adara Kaita
Crown Land Programs and Policy Manager
Conservation and Water Stewardship
Box 25, 200 Sauiteaux Crescent
Winnipeg, MB R3J 3W3
Cell: (204) 945-6301
F: (204) 948-2197

DATE: August 30, 2013

TO: Robert Boswick
Environmental Approvals
Conservation and Water Stewardship
160-123 Main Street (BOX 80),
Winnipeg MB R3C 1A5

FROM: **Environmental Enforcement and
Compliance**
Conservation & Water Stewardship
Environmental Compliance & Enforcement
Eastern Region
Unit B – 284 Reimer Avenue
Steinbach, Manitoba Canada R5G 0R5

PHONE NO.: 204-345-1486

SUBJECT: **City of Steinbach Lagoon Biosolids Land Appl. - File: 5659.00**

Environmental Enforcement and Compliance has reviewed the above proposal and it is understood the proposal seeks to spread biosolids in an agronomically suitable matter with consideration of loading limits and application rates.

The area of study contains waterways and a significant population base. Therefore, the application of biosolids should meet all setbacks as required in both the *Nutrient Management Regulation* and *Livestock Manure and Mortalities Regulation*.

As presented in Section 6 of the proposal the incorporation of biosolids material into the ground within 48 hrs of application will greatly assist in minimizing the overland flow and reduce the risk of overflow. It appears the applicant is proposing some risk with overland flow as Section 2.1.2 indicates the biosolids will be worked into the soil within 1 to 4 days of land application. As presented there is uncertainty on what proposed measures and action will be taken if overland flow is to occur.

As well, during the process of undertaking the proposed activities, Environmental Enforcement and Compliance seeks clarification on what mitigation measures will be taken to protect surface and groundwater during the transfer of biosolids from the cell(s) to incorporation into the ground.

Boswick, Robert (CWS)

From: Stibbard, James (CWS)
Sent: August-28-13 10:10 AM
To: Boswick, Robert (CWS)
Subject: Re: 5659.00 City of Steinbach Biosolids Application EAP

Mr. Boswick,
Office of Drinking Water has no concerns with this EAP or the proposed project.
If you have any questions, please call.
Regards,

James Stibbard P. Eng.
Approvals Engineer
Office of Drinking Water
1007 Century Street
Winnipeg MB R3H 0W4
phone: (204) 945-5949
fax: (204) 945-1365
email: James.Stibbard@gov.mb.ca
website: www.manitoba.ca/drinkingwater

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From: Kubish, Cheryl (OFC)
Sent: August-26-13 1:47 PM
To: Boswick, Robert (CWS)
Subject: RE: Review and comments request due Sept. 6, 2013 - City of Steinbach Lagoon Biosolids Land Appl. - File: 5659.00

With respect to the proposed application of Lagoon Solids from Cells 1 and 2, the Office of the Fire Commissioner has no comments at this time

Cheryl Kubish
Administrative Assistant
Office of the Fire Commissioner
508-401 York Avenue
Winnipeg MB R3C 0P8
Phone: 945-3328
Fax: 948-2089

E-Mail address: Cheryl.Kubish@gov.mb.ca

From: Steele, Tania (CWS)
Sent: August-07-13 10:46 AM
To: Schindler, Dennis (MAFRI); Kaita, Adara (CWS); Labossiere, Don (CWS); Molod, Rommel (CWS); Streich, Laurie (CWS); Kanya, Veronika (CWS); Firlotte, Nicole (CWS); Kelly, Jason (CWS); Keenan, Phil (CWS); Missyabit, Ron (CWS); Hay, David (CWS); Page, Elaine (CWS); Phipps, Graham (CWS); Albangco, Elvira (CWS); Janusz, Laureen R (CWS); Stibbard, James (CWS); Matthews, Rob (CWS); Reimer, Geoff P (CWS); +WPG574 - HRB (CHT); Cunningham, Neil (CWS); Roberecki, Susan (HEALTH); Roberts, Tracy (HEALTH); +WPG969 - MIT Environmental Services Section (MIT); Shaler, Samantha (MLG); Allum, Brad (MIT); Schafer, Dave (OFC); Kubish, Cheryl (OFC); Smiley, Donna (CWS); Nedotiafko, Rob (CWS); Campbell, Lyle (CWS)
Cc: Boswick, Robert (CWS)
Subject: Review and comments request due Sept. 6, 2013 - City of Steinbach Lagoon Biosolids Land Appl. - File: 5659.00

Your review and comments would be appreciated for the attached Proposal submitted pursuant to *The Environment Act*:

<http://www.gov.mb.ca/conservation/eal/registries/5659steinbach/index.html>

The contact person assigned to co-ordinate review and assessment of the Proposal is:

Robert Boswick @ 204-945-6030. Email replies are programmed to automatically deliver to robert.boswick@gov.mb.ca.

Please indicate to the contact person if you are unable to review the proposal. A non-reply will be considered as indicating your department has reviewed the proposal and has no concerns.

Any comments you have on the Proposal should be emailed by **September 6, 2013.**

****No hard copies will be provided****

Thank you.

Sent on behalf of:

Robert Boswick, P.Eng.
Environmental Engineer
Manitoba Conservation and Water Stewardship
REGULAR MAIL - 160-123 Main Street (BOX 80), Winnipeg MB R3C 1A5
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e-mail: robert.boswick@gov.mb.ca
Ph. (204) 945-6030
Cellular (204) 918-5853
FAX: (204) 945-5229

From: Kelly, Jason (CWS)
Sent: August-23-13 12:32 PM
To: Boswick, Robert (CWS)
Subject: RE: Review and comments request due Sept. 6, 2013 - City of Steinbach Lagoon Biosolids Land Appl. - File: 5659.00

Parks and Natural Areas Branch has reviewed the proposal filed pursuant to the Environment Act for the Review and comments request due Sept. 6, 2013 - City of Steinbach Lagoon Biosolids Land Appl. - File: 5659.00. The Branch has no comments to offer as this does not impact any parks or ecological reserves

Jason Kelly, M.N.R.M.
Ecological Reserves and Protected Areas Specialist
Parks and Natural Areas Branch
Conservation and Water Stewardship
Box 53, 200 Saulteaux Cres
Winnipeg, MB R3J 3W3

Phone: 204-945-4148

Cell:

Fax: 204-945-0012

Email: Jason.Kelly@gov.mb.ca

From: Steele, Tania (CWS)

Sent: August-07-13 10:46 AM

To: Schindler, Dennis (MAFRI); Kaita, Adara (CWS); Labossiere, Don (CWS); Molod, Rommel (CWS); Streich, Laurie (CWS); Kanya, Veronika (CWS); Firlotte, Nicole (CWS); Kelly, Jason (CWS); Keenan, Phil (CWS); Missyabit, Ron (CWS); Hay, David (CWS); Page, Elaine (CWS); Phipps, Graham (CWS); Albangco, Elvira (CWS); Janusz, Laureen R (CWS); Stibbard, James (CWS); Matthews, Rob (CWS); Reimer, Geoff P (CWS); +WPG574 - HRB (CHT); Cunningham, Neil (CWS); Roberecki, Susan (HEALTH); Roberts, Tracy (HEALTH); +WPG969 - MIT Environmental Services Section (MIT); Shaler, Samantha (MLG); Allum, Brad (MIT); Schafer, Dave (OFC); Kubish, Cheryl (OFC); Smiley, Donna (CWS); Nedotiafko, Rob (CWS); Campbell, Lyle (CWS)

Cc: Boswick, Robert (CWS)

Subject: Review and comments request due Sept. 6, 2013 - City of Steinbach Lagoon Biosolids Land Appl. - File: 5659.00

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Robert Boswick @ 204-945-6030. Email replies are programmed to automatically deliver to robert.boswick@gov.mb.ca.

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Any comments you have on the Proposal should be emailed by **September 6, 2013.**

****No hard copies will be provided****

Thank you.

Sent on behalf of:

Robert Boswick, P.Eng.

Environmental Engineer

Manitoba Conservation and Water Stewardship

REGULAR MAIL - 160-123 Main Street (BOX 80), Winnipeg MB R3C 1A5

COURIERS - 2nd Floor 123 Main Street, Winnipeg MB R3C 1A5

e-mail: robert.boswick@gov.mb.ca

Ph. (204) 945-6030

Cellular (204) 918-5853

FAX: (204) 945-5229

Boswick, Robert (CWS)

From: Buchan, Shelley (HEALTH)
Sent: August-20-13 2:21 PM
To: Boswick, Robert (CWS)
Subject: FW: Review and comments request due Sept. 6, 2013 - City of Steinbach Lagoon Biosolids Land Appl. - File: 5659.00

Hi Robert

The health concerns for the land application of the lagoon biosolids are related to reducing odor, limiting public access to the biosolids to protect against any disease transmission, protection of ground water supplies (drinking water) and controlling the type of crop grown on the land receiving the biosolids (no root crops). All these things have been addressed in the sections on Page 30/31 of the proposal.

Thanks

Shelley

DR SHELLEY BUCHAN

Medical Officer of Health /Medecin hygieniste

Southern Health-Santé Sud

180 Centenaire Drive

Southport, MB R0H 1N1

Tel: 204 428 2726 Fax: 204 428 2779

Email: Shelley.Buchan@gov.mb.ca

Web: www.southernhealth.ca

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Infrastructure and Transportation
Highway Planning and Design Branch
Environmental Services Section
1420 - 215 Garry St., Winnipeg, MB R3C 3P3
T (204) 619-4359 F (204) 945-0583

August 8, 2013

Tracey Braun, M. Sc.
Director, Environmental Approvals Branch
Manitoba Conservation and Water Stewardship
123 Main St., Suite 160
Winnipeg, MB R3C 1A5

**RE: City of Steinbach Land Application of Lagoon Biosolids
Client File No 5659.00**

Dear Ms. Braun:

MIT has reviewed the proposal noted above and we do not have concerns with the development as proposed.

Thank you very much for providing us the opportunity to review the proposal.

Sincerely,

Ryan Coulter, M. Sc., P. Eng.
Manager of Environmental Services

From: Matthews, Rob (CWS)
Sent: August-07-13 8:15 PM
To: Boswick, Robert (CWS)
Subject: RE: Review and comments request due Sept. 6, 2013 - City of Steinbach Lagoon Biosolids Land Appl. - File: 5659.00

No concerns.

Rob Matthews, Water Use Licensing Section

From: Steele, Tania (CWS)

Sent: August-07-13 10:46 AM

To: Schindler, Dennis (MAFRI); Kaita, Adara (CWS); Labossiere, Don (CWS); Molod, Rommel (CWS); Streich, Laurie (CWS); Kanya, Veronika (CWS); Firlotte, Nicole (CWS); Kelly, Jason (CWS); Keenan, Phil (CWS); Missyabit, Ron (CWS); Hay, David (CWS); Page, Elaine (CWS); Phipps, Graham (CWS); Albangco, Elvira (CWS); Janusz, Laureen R (CWS); Stibbard, James (CWS); Matthews, Rob (CWS); Reimer, Geoff P (CWS); +WPG574 - HRB (CHT); Cunningham, Neil (CWS); Roberecki, Susan (HEALTH); Roberts, Tracy (HEALTH); +WPG969 - MIT Environmental Services Section (MIT); Shaler, Samantha (MLG); Allum, Brad (MIT); Schafer, Dave (OFC); Kubish, Cheryl (OFC); Smiley, Donna (CWS); Nedotiafko, Rob (CWS); Campbell, Lyle (CWS)

Cc: Boswick, Robert (CWS)

Subject: Review and comments request due Sept. 6, 2013 - City of Steinbach Lagoon Biosolids Land Appl. - File: 5659.00

Your review and comments would be appreciated for the attached Proposal submitted pursuant to *The Environment Act*:

<http://www.gov.mb.ca/conservation/eal/registries/5659steinbach/index.html>

The contact person assigned to co-ordinate review and assessment of the Proposal is:

Robert Boswick @ 204-945-6030. Email replies are programmed to automatically deliver to robert.boswick@gov.mb.ca.

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Thank you.

Sent on behalf of:

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