

**From:** Janusz, Laureen R (CWS)  
**Sent:** January-14-14 12:55 PM  
**To:** Boswick, Robert (CWS)  
**Cc:** Klein, Geoff (CWS); Kroeker, Derek (CWS); Long, Jeff (CWS)  
**Subject:** RE: Review and comments request due Jan. 13 , 2014 - Blue Clay Farms 98 Ltd. WWTL - File: 3363.10

Hi Robert,

I hope you're doing well. I just wanted to let you know that I'm not going to be able to review this proposal anytime soon so if you're ready to go with the draft I don't want to hold you up. I'll try and review when the draft is circulated.

Geoff and Derek, just as a heads up, I'm not quite sure which region this proposal would sit. The lagoon expansion will occur on 9-4-3- E. The proponents are proposing to now discharge to surface instead of using for irrigation. The proposed discharge route is through Arnaud Drain to Marsh River to Rat River. Typically I'm anticipating that standard clauses with respect to construction, operation and monitoring should apply but if you have any immediate concerns please let me know. A link is provided below to the proposal if you want to have a look.

Thank you.

Laureen Janusz  
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](mailto:Laureen.Janusz@gov.mb.ca)

DATE: January 13, 2014

TO: Robert Boswick  
Environmental Approvals  
Conservation and Water Stewardship  
123 Main St Suite 160 (Box 80)  
Winnipeg MB R3C 1A5

FROM: Larry Markwart / Nino Novelas  
Environmental Compliance and  
Enforcement  
Conservation and Water Stewardship  
Unit B – 284 Reimer Avenue  
Steinbach MB R5G 0R5

**SUBJECT: Environment Act Proposal – Blue Clay Farms 98 Ltd – Wastewater Treatment Lagoon Upgrade (Client File No. 3363.00; EA Licence # 1542)**

Environmental Compliance and Enforcement (Eastern Region) has reviewed the above noted Environment Act Proposal (EAP) and requests a response from the proponent to the following items:

2.5.6 Wastewater Production:

Environmental Compliance and Enforcement Branch has received enquiries regarding the potential installation of industrial facilities at the site, such as a slaughter plant. As such, we request confirmation that the source of wastewater is only from the residential population and no other sources.

2.5.7 Lagoon Sizing Requirement:

This section of the proposal indicates that the upgraded lagoon would consist of one new primary cell and two storage cells. It is understood in the proposal that the upgrade to the lagoon would be the construction of a new storage cell.

Environmental Compliance and Enforcement requests the proponent to clarify in this section whether the upgrade would consist of a new primary cell or a new Secondary storage cell.

2.5.7.2 Storage Cells

The third paragraph on this section of the proposal suggests that if the water quality testing results are acceptable, only then will the intercell valve between the primary cell and Storage cell #1 be closed and storage cells be discharged.

Environmental Compliance and Enforcement wants to clarify with the proponent that the intercell valve between the primary cell and secondary cell must be closed at least two weeks prior to sampling of the lagoon and not when sampling results of the lagoon are acceptable.

2.5.9.2 Nutrient Management Plan:

The proponent has opted to implement a nutrient reduction strategy (Trickle Discharge) instead of a 1mg/L Phosphorus limit. It is proposed to trickle discharge the storage cells over a four week period. The proposal also suggests in section 2.5.7.2 that the lagoon only be discharged once per year, occurring in the fall.

Environmental Compliance and Enforcement Branch requests that the proponent clarify that the existing primary cell has adequate hydraulic capacity to accommodate incoming wastewater over the entire isolation, sampling and discharge period.

### 2.5.11 Lagoon Layout

The proposal indicates that the new Storage cell # 2 is to be constructed to the east of Storage Cell #1. However, the location of the new Storage cell # 2 is depicted south of Storage Cell #1 in the attached drawing.

Environmental Compliance and Enforcement requests the proponent to clarify in this section the actual location of the new Storage cell # 2.

**Boswick, Robert (CWS)**

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**From:** Kaita, Adara (CWS) on behalf of +WPG1212 - Conservation\_Circulars (CWS)  
**Sent:** January-10-14 3:15 PM  
**To:** Boswick, Robert (CWS)  
**Subject:** EA Proposal - Blue Clay Farms 98 Ltd. WWTL - File: 3363.10

Hello Robert,

The Protected Areas Initiative and the Lands Branch have no concerns with the noted EA proposal.

Thank you,

**Adara Kaita**

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

## **Boswick, Robert (CWS)**

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**From:** Stibbard, James (CWS)  
**Sent:** January-10-14 9:16 AM  
**To:** Boswick, Robert (CWS)  
**Subject:** Re: 3363.10 Blue Clay Colony WW Lagoon Expansion EAP

Mr. Boswick,

I reviewed the above noted EAP and have no concerns with it respecting drinking water safety except that the proposed effluent drainage route for the lagoon eventually drains into the Red River upstream of the raw water intake for the Morris Regional water treatment plant. In normal operation of the lagoon, this should not pose a problem, however, should a major spill of semi-treated or untreated effluent from the lagoons occur, the effluent could possibly effect the Morris water plant. Therefore, Office of Drinking Water recommends a clause be included in the Environment Act Licence for the lagoons requiring the Owner to have contact information for the Morris Regional Water Plant in his Emergency Response Plan and a requirement that the operators of the Morris Regional Water Plant be contacted in the event of a major effluent spill from the lagoons.

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](mailto:James.Stibbard@gov.mb.ca)  
website: [www.manitoba.ca/drinkingwater](http://www.manitoba.ca/drinkingwater)

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**DATE:** January 7, 2014

## Memorandum

**TO:** Rafiqul Chowdry  
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** Elaine Page

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

**SUBJECT:** *ENVIRONMENT ACT PROPOSAL FILE: BLUE CLAY FARMS 98 LTD  
3363.10*

- The following effluent standards should be in place for Blue Clay Farms 98 LTD lagoon as per the *Manitoba Water Quality Standards, Objectives and Guidelines Regulation (196/2011)*.
  - BOD<sub>5</sub> 25 mg/L
  - Total suspended solids 25 mg/L
  - Fecal Coliforms or Escherichia coli 200 MPN / 100mL
  - <1 mg/L total phosphorous or demonstrated nutrient reduction strategy
- The *Manitoba Water Quality Standards, Objectives and Guidelines Regulation (196/2011)* requires new or expanding wastewater treatment facilities to meet a 1 mg/L phosphorus limit or a demonstrated nutrient reduction strategy. The current license requires the Proponent to effluent irrigate. Effluent irrigation, is a nutrient reduction strategy capable of reducing a significant percentage of phosphorous and nitrogen and has excellent nutrient reuse opportunity. As the proponent is currently land applying the effluent, it is recommended the Proponent continue effluent irrigation. If effluent irrigation is not possible in some years, then the Proponent must be required to meet a <1 mg/L phosphorus limit.
- 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

**From:** Kelly, Jason (CWS)  
**Sent:** January-06-14 9:41 AM  
**To:** Boswick, Robert (CWS)  
**Subject:** RE: Review and comments request due Jan. 13 , 2014 - Blue Clay Farms 98 Ltd. WWTL - File: 3363.10

Parks and Protected Spaces Branch as reviewed the proposal filed pursuant to the *Environment Act* for Review and comments request due Jan. 13 , 2014 - Blue Clay Farms 98 Ltd. WWTL - File: 3363.10. The Branch has no comments or concerns to offer as it does not affect any parks or ecological reserves.

Jason Kelly, M.N.R.M.  
Ecological Reserves and Protected Areas Specialist  
Parks and Protected Spaces 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](mailto:Jason.Kelly@gov.mb.ca)

## **Boswick, Robert (CWS)**

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**From:** Boissonneault, Caroline (CWS)  
**Sent:** January-03-14 9:59 AM  
**To:** Boswick, Robert (CWS)  
**Subject:** Emailing: Review and comments request due Jan. 13 2014 - Blue Clay Farms 98 Ltd. WWTL - File 3363.10  
**Attachments:** Review and comments request due Jan. 13 , 2014 - Blue Clay Farms 98 Ltd. WWTL - File: 3363.10

Hello:

Wildlife Branch has no concerns with this proposal.

Thank you.

Caroline Boissonneault

Conservation and Water Stewardship

Wildlife Branch

Tel.: 204-945-6810

[Caroline.boissonneault@gov.mb.ca](mailto:Caroline.boissonneault@gov.mb.ca)

Your message is ready to be sent with the following file or link attachments:

Review and comments request due Jan. 13 2014 - Blue Clay Farms 98 Ltd. WWTL - File 3363.10

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.



**From:** Kubish, Cheryl (OFC)  
**Sent:** December-18-13 2:01 PM  
**To:** Boswick, Robert (CWS)  
**Subject:** RE: Review and comments request due Jan. 13 , 2014 - Blue Clay Farms 98 Ltd. WWTL - File: 3363.10

At this time, the Office of the Fire Commissioner has no concerns with the proposal.

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](mailto:Cheryl.Kubish@gov.mb.ca)



## Memorandum

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**DATE:** December 27, 2013

**TO:** Robert Boswick, Environmental  
Engineer  
Manitoba Conservation and  
Water Stewardship  
160-123 Main Street  
Winnipeg, MB R3C 1A5

**FROM:** Krysti Horton, Community  
Planner  
Manitoba Municipal government  
240-323 Main St.  
Steinbach, MB R5G 1Z2

**PHONE:** 204-346-6245  
**FAX:** 204-346-7305  
**EMAIL:** krysti.horton@gov.mb.ca

**SUBJECT:** Blue Clay Farms - Colony Lagoon - R.M. of De Salaberry  
Environment Act Proposal

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On behalf of the Steinbach Community Planning Services office, I have reviewed any potential areas of concern that should be addressed as part of the environmental evaluation pursuant to *The Environment Act*.

The land within the study area is located in the SE ¼ 9-4-3EPM. The parcel is in the RM of De Salaberry, 2 miles east of Provincial Road (PR) 200 approximately 2 miles north west of Arnaud.

Due to population growth in the Blue Clay Colony, Blue Clay Farms is requesting an expansion and an alteration to the lagoon discharge process. According to the assessment database, the subject parcel is 80 acres and there are farm related buildings, and an existing sewage lagoon on site.

The land is designated *Agriculture 2* according to the *RM of De Salaberry Development Plan* and is zoned *Agriculture 2*. Land surrounding the proposed use is primarily held in large tracts and appears to be agricultural in nature. The engineering report indicated the closet residential dwelling is 400 metres away.

Our office has no concerns with respect to the proposal.

Yours truly,

by email

Krysti Horton  
Community Planner



**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) 945-0593

December 11, 2013

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

RE: Blue Clay Farms 98 Ltd. - WWT Lagoon Upgrade  
Client File No. 3363.10

Dear Ms. Braun:

MIT has reviewed the proposal under the Environment Act noted above and we do not have any concern.

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

Sincerely,

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

## **Boswick, Robert (CWS)**

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**From:** Roberts, Dan (CWS)  
**Sent:** December-10-13 12:51 PM  
**To:** Boswick, Robert (CWS)  
**Subject:** Review and comments request due Jan. 13 , 2014 - Blue Clay Farms 98 Ltd. WWTL - File: 3363.10  
**Attachments:** Drainage Licence Application.pdf

Please advise the proponent that should their proposal involve alterations to existing outlet infrastructure, or the construction of new outlet infrastructure, these works will require licensing under the *Water Rights Act* - an application is attached for their convenience. Any inquiries in this regard may be directed to the local *Water Resource Officer*. Their contact information may be found at:

[http://www.gov.mb.ca/conservation/waterstewardship/licensing/pdf/areas\\_of\\_focus\\_jan\\_23\\_12.pdf](http://www.gov.mb.ca/conservation/waterstewardship/licensing/pdf/areas_of_focus_jan_23_12.pdf)

Thank You,

## **Dan Roberts**

Water Resource Officer  
Water Control Works and Drainage Licensing Section  
Conservation and Water Stewardship  
Box 640, 201 Fourth Ave. S., Swan River, MB R0L 1Z0  
Cell: (204) 281-2122, Fax: 734-3733

**Application for Licence  
to Construct Water Control Works**  
FORM 1: Revised: July 14, 2009



Applicant Name (s) \_\_\_\_\_  
 Company Name \_\_\_\_\_ Telephone No. \_\_\_\_\_  
 Mailing Address \_\_\_\_\_ Postal Code \_\_\_\_\_ Cell Phone No. \_\_\_\_\_  
 Location of Residence \_\_\_\_\_ Fax No. \_\_\_\_\_ E-mail \_\_\_\_\_

**A. DEFINITIONS**

1) Pursuant to *The Water Rights Act*: **WATER CONTROL WORKS** are defined as any dyke, dam, surface or subsurface drain, drainage, improved natural waterway, canal, tunnel, bridge, culvert, borehole or contrivance for carrying or conducting water that (a) temporarily or permanently alters or may alter the flow or level of water, including but not limited to water in a water body, by any means, including drainage, or (b) changes or may change the location or direction of flow of water, including but not limited to water in a water body, by any means, including drainage.

2) **MINOR WATER CONTROL WORKS** (as defined by policy) are those works that meet the following criteria:

Respecting drainage, minor water control works:

- Are constructed solely on lands owned or controlled by the applicant without negative impact to other lands.
- Meet industry accepted engineering and construction standards.
- Involve excavation of organic soils only and do not lower water levels more than 30 cm (1 foot) below natural ground level.
- Are proven acceptable to municipal or provincial governments if water control works affect the location or flow of water on municipal or provincial property.
- Are proven acceptable to the landowner of lands on which they are constructed if applicant does not own the land.
- Do not occur in naturally vegetated riparian areas.
- Do not occur on Class 6 and 7 soils as defined by Canada Land Inventory (CLI) Soil Capability for Agriculture (1965).
- Do not alter the natural state of seasonal, semi-permanent or permanent marshes (Classes III, IV, V – Stewart and Kantrud marsh classification system).

Respecting dams, minor water control works:

- Are constructed solely on lands owned or controlled by the applicant without negative impact to other lands.
- Meet industry accepted engineering and construction standards.
- Are located within artificially constructed drainage channels.
- Are less than 1.5 meters in height and do not raise the spill elevation of a wetland above natural ground level.

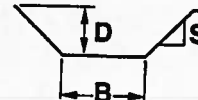
Respecting infrastructure installations, minor water control works:

- Are constructed solely on lands owned or controlled by the applicant without negative impact to other lands.
- Do not alter the natural state of seasonal, semi-permanent or permanent wetlands (Classes III, IV, V – Stewart and Kantrud marsh classification system).
- Meet industry accepted engineering and construction standards.
- Do not change the hydraulic capacity of the structure by more than 15%.
- Includes replacement of culverts at the same location and elevation as the previous culvert.

**B. PHOTO/SKETCH/PLANS/DRAWING**

All Water Rights Act license applications for construction of WATER CONTROL WORKS must include a photo, sketch, plan and/or drawing that incorporates:

- 1) Location of effected water bodies, maximum depths, approximate sizes, complete or partial drainage
- 2) Proposed drain location, length, depth (D), bottom width (B), and side slopes (S)
- 3) A topographic survey, if the magnitude of the project results in a request for survey information by Water Stewardship staff
- 4) Location of designated spoil sites
- 5) Flow direction of nearby watercourses
- 6) Description and location of proposed control structures and operation schedule (if applicable)
- 7) Road and culvert locations (including culvert sizes)
- 8) Legal descriptions and landowner names of surrounding/affected lands
- 9) North arrow
- 10) Industry accepted engineering and construction standards



For dam projects, except those that meet the definition of minor water control works, a copy of design drawings and decommissioning plan designed by a professional engineer registered to practice in Manitoba. Dams that have the capacity of less than 50 cubic decameters (40 acre feet) must be constructed to industry accepted engineering and construction standards but may be subject to less stringent reporting standards. Please contact either of the Manitoba Water Stewardship offices listed below for further details.

**C. LOCATION of Works:**

- 1) Municipality/Parish \_\_\_\_\_ 2) Conservation District (if applicable) \_\_\_\_\_
- 3) Location of water control works (include ¼ section, township and range, river lots, sub-division, or other legal description)

LEGAL SUBDIVISION	QUARTER	SECTION	TOWNSHIP	RANGE	E/W	LOT	BLOCK PLAN

Or otherwise described as \_\_\_\_\_

- 4) Identify water body, natural waterway, or drain that water flows into (if known) \_\_\_\_\_

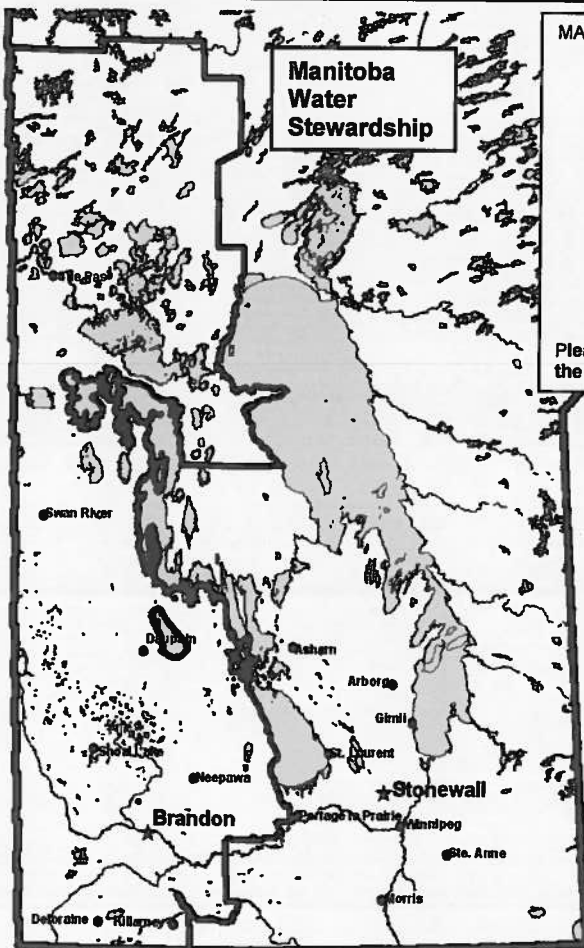
**D. DESCRIPTION of Works:**

- 1) Describe your proposal and its purpose (Please include any methods to control outflow):  
 \_\_\_\_\_  
 \_\_\_\_\_
- 2) Does the proposed project meet the definition of minor water control works?  Yes  No  
 (See definition section A)
- 3) Is a bio-security plan in place for the subject property?  Yes  No
- 4) Will drainage/lowering of a slough, pond or lake be undertaken?  Yes  No
  - a. If yes, please indicate the following:  
 What is the total estimated area of water? \_\_\_\_\_ Acres \_\_\_\_\_ Hectares
- 5) Has a survey been completed for these works?  Yes  No
  - a. If yes, please attach a copy to this application
- 6) Provide details on sediment and erosion control plan(s). \_\_\_\_\_  
 \_\_\_\_\_

**E. LANDOWNER Approvals:**

- 1) Proposed water control works are located on:  Private Property  Municipal Property  Crown Land
- 2) The applicant is the:  Registered Landowner  Lessee  Other: \_\_\_\_\_  
 If lessee or other, please provide registered landowner signature of approval below.
- 3) Will the proposed water control works alter a water body or water level(s) on land you do not own or control?
- 4) Will the proposed water control works cause water to leave your land?  
 If yes to either questions 3 or 4, please provide evidence of impacted landowner(s) approval below.

<u>Legal Description</u>	<u>Landowner Name(s)</u> (Please Print)	<u>Signature of Approval</u>	<u>Date Signed</u>



MAKE CHEQUES PAYABLE TO: MINISTER OF FINANCE  
 FEE OF \$25.00 MUST ACCOMPANY APPLICATION  
 CHEQUE AND APPLICATION CAN BE MAILED TO:

**WATER CONTROL WORKS & DRAINAGE LICENSING SECTION**

Box 13, 1129 Queens Avenue  
 Brandon, MB R7A 1L9

OR

Box 4558, 293 Main Street  
 Stonewall, MB R0C 2Z0

Please Note: Incomplete applications may be returned to the applicant unprocessed.

\_\_\_\_\_  
 Signature of Applicant

\_\_\_\_\_  
 Print Name

\_\_\_\_\_  
 Signature of Landowner (if different from Applicant)

\_\_\_\_\_  
 Print Name

\_\_\_\_\_  
 Date Signed

<b>FOR OFFICE USE ONLY</b>	Date Received _____
	Amount Received \$ _____
	Received By _____
	MRO# _____