

September 8, 2016

File: 2011-4941.0200

Ms. Tracey Braun M. Sc.  
Director, Environment Approvals  
Manitoba Sustainable Development  
123 Main St Suite 160  
Winnipeg MB R3C 1A5

**Re: NOTICE OF MINOR ALTERATION REQUEST FOR  
THE TOWN OF CARMAN WASTEWATER TREATMENT LAGOON LOCATED  
IN SECTIONS 29 and 30, 13-4 WPM  
FOR MINOR REPAIRS AND MAINTENANCE**

Dear Ms. Braun:

In accordance with the Environment Act (Section 14), this submission is a request for minor alterations to said facility operating under Licence Number 2399 for the Town of Carman.

The proposed work generally consists of the replacement of all three intercell piping and isolation valves. The existing pipes are almost plugged and the valves do not operate very well. As a result, the water backs up in the primary cells due to the hydraulic restrictions. Under wet conditions, the Town would need to pump water from cell to cell to avoid overflowing.

Given the age and lack of confidence in the old pipes and valves, the Town is proposing to remove and replace the piping and valves. The new pipes and valves would be placed in the same location as the original pipes.

For each location, a new 200mm schedule 10 stainless steel pipe with isolation valve is proposed. It is proposed to place the new intercell pipes at ~600mm off the cell floor to avoid the sludge accumulation.

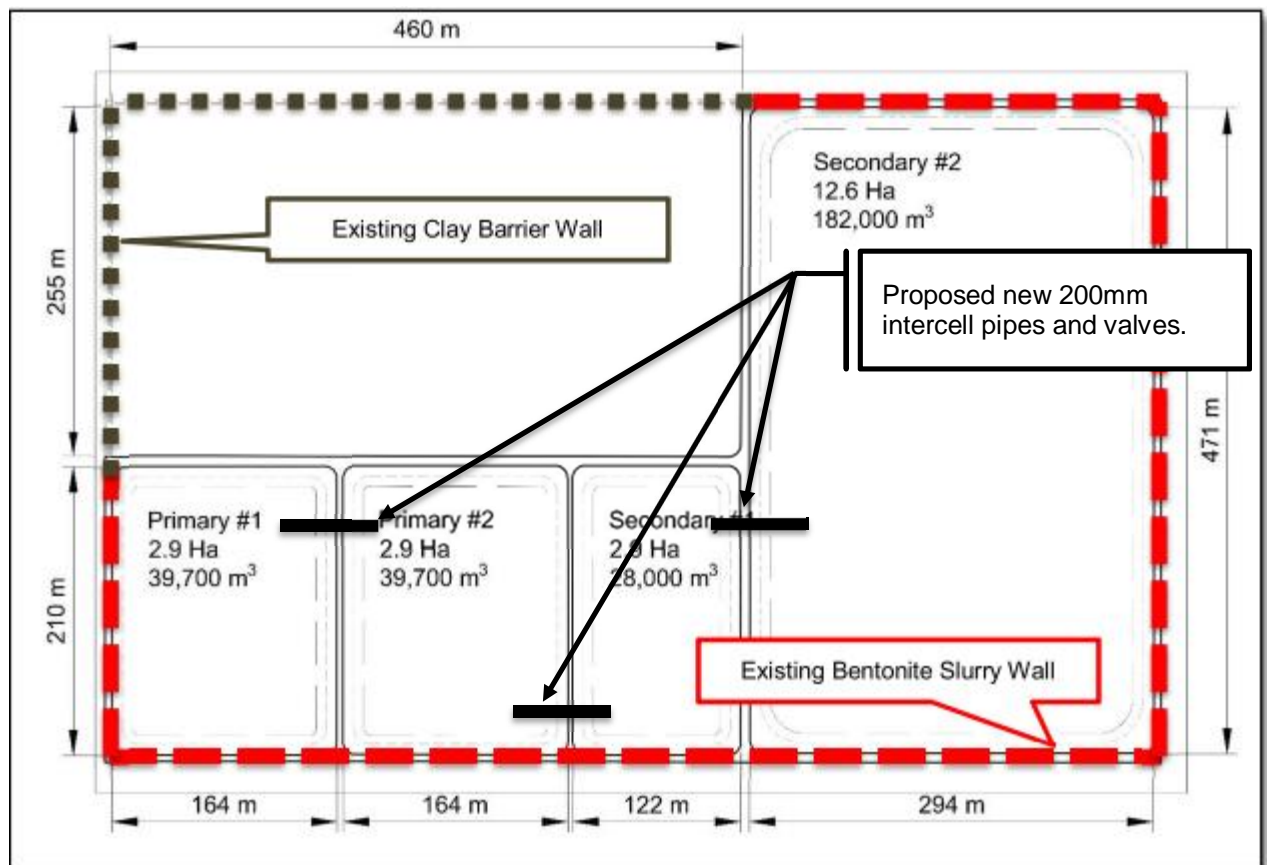
Pending approval, the Town proposes the following approach for the repairs:

1. The cell liquid levels will be lowered to allow the work with minimal cofferdam requirements.
2. The new pipe will be placed along with a new isolation valve. The valve will be located at the edge of the top of berm.
3. The excavated material will be removed and placed in a location where any runoff will drain back into the lagoon cells.
4. No sludge will be removed from the facility for these works.

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5. The excavation will be backfilled with suitable soils and compacted in 300mm lifts to a density equivalent to the surrounding in situ material.
6. Any surplus material will be recycled if possible, or disposed of at a Licenced waste disposal ground.
7. The berms where the work will take place are not containment berms. The slurry wall containment and clay keyway around the facility will not be disturbed.
8. The excavation along with any damaged areas from machinery will be restored to original conditions.
9. The work is expected to take two to three days once the cells are lowered to the desired levels.
10. It is preferable that the work is completed this fall, and would commence with your approval.

**Town of Carman Wastewater Facility**





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Engineering

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Given the limited scope of the works, and that it is contained in the cell boundaries, we believe that this work will not pose any significant adverse environmental effects.

If there are any questions regarding this submission, please do not hesitate to contact the undersigned.

Yours truly,

A handwritten signature in blue ink that reads "Ken Anderson".

Ken Anderson, P.Eng.  
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CC: Joe Richardson  
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