

Annual Sewage Works Inspection (Pond-East)

ECA 7306-8FDKNX				
Condition 5. Equipment and Site Inspections and Maintenance				
Inspections and Maintenance of the Works				
(7) The Owner shall inspect the Works at least once a year and, if necessary, clean and maintain the Works to prevent the excessive build-up of sediments and/or vegetation.				
Date and Time:	20-Nov-20			
Inspector (print)	Amanda Huxter	LW	Inspector (signature)	<i>Amanda Huxter</i>
Current Weather:	Temp - 13C	Wind Direction: SW	Wind Speed: 29 km/h	Precipitation: 0
Antecedent Weather: (Average previous week)	Temp - 5.5C	Wind Direction: 227°	Wind Speed: 15.7 km/h	Precipitation: 9.1 mm (ec)
	Sat	Non Sat	Comments	
1. General				
Surrounding vegetation and ground cover	✓			
Embankment condition (no erosion)	✓			
Embankment seeps/leaks	✓			
Animal Burrows	✓		None present	
Floating debris (i.e. trash)	✓			
Visible pollution	✓			
Shoreline issues	✓			
Excess sedimentation	✓			
Interceptor swales –vegetation/erosion	✓			
Condition of rock check dams			NA	
2. Pond Outlet Structure Overflow				
Concrete in good condition (no cracking/bulging)	✓		Pond is discharging	
Grating intact	✓			
Undesirable vegetative growth	✓			
3. Pond Inlet Headwall				
Concrete in good condition	✓			
Undesirable vegetative growth	✓			

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	Sat	Non Sat	Comments
4. Discharge Points			
Pipe free of debris	✓		pipe has back up of silt but still discharging. ↳ silt is coming from upstream
Lack of erosion at opposite bank	✓		
5. Collection System			
Catch basins and storm sewer pipes freely flowing – no blockages	✓		
Additional Comments:			
Witness- Lindsay Waller, Region of Durham			
Weather data from Courtice WFCP except precipitation from EC			
September 2020 - holes cut in outlet chamber grating to allow key access without removing grating. Prevents fall hazard.			
2020 is Year 5. See note below			
Last Inspection Performed	October 28, 2019		
Last Maintenance Performed	Jan - Feb 2016 by Coco Paving		

Application for Section 53 CofA – Stormwater Discharge, March 2011, Golder Report 10-1151-0343 (4000)

7.0 Maintenance Recommendations

Based on the Operation, Maintenance and Monitoring guidelines in the MOE Stormwater Management Planning and Design Manual (MOE, 2003), the removal frequency of sediment from the SWMP's based on a 140m³/ha storage volume should occur every 12.5 years. The MOE SWM manual assumes a 5% loss of performance was an acceptable reduction in TSS removal efficiency. However, regular annual inspection of the SWM ponds should be carried out and removal efficiency may be adjusted on the basis of actual sediment deposition.

2020 Annual Sewage Works Inspection - November 20, 2020

Drains to East Storm Water Pond

ID	Quadrant	Time	Comments
CB-01C	C8	12:43	
MH/CB-01B	C8	12:44	
MH-01D	C7	12:45	
MH-01A	D7	12:46	NI
CB-02D	C7	12:48	
MH/CB-02C	C7	12:49	
MH-2B	C7	12:50	Gravel and leaves to bottom of pipe
CB-01A	D8	12:46	
MH-02	D7	12:52	NI
CB-02A	C6	12:55	
MH-02A	D6	12:56	
Trench HW-01	E7	12:57	
Trench HW-02	F7	12:59	3 pieces trash in swale
CB-03	F6	13:01	
MH-03	F6	13:00	NI
outside residue bldg	G5	13:03	
North ammonia tank	A5 (C-201)	13:04	
CB-06	B5 (C-201)	13:06	
MH/CB-05	B6 (C-201)	13:07	
MH-04	B7 (C-201)	13:08	NI
Trench HW-03	A7 (C-201)	13:09	
Trench HW-04	B7 (C-201)	13:10	
HW-01	D6 (C-201)	13:11	2-4 mm dirt build up on South side
MH-06	D7 (C-201)	13:12	NI
MH-07	D7 (C-201)	13:13	
Pond HW	E7 (C-201)	13:15	2 cm water and algae on apron
Pond Outlet	E6 (C-201)	13:26	Pond discharging
Discharge Point	F5	14:45	Reeds and silt build up from upstream

NI: Not inspected

Annual Sewage Works Inspection (Pond- West)

	Sat	Non Sat	Comments
4. Discharge Points			
Pipe free of debris	✓		
Lack of erosion at opposite bank	✓		
5. Collection System			
Catch basins and storm sewer pipes freely flowing – no blockages	✓		
Additional Comments:			
Witness- Lyndsay Waller- Region of Durham			
Weather from Courtice WPCP except precipitation from EC			
September 2020 holes cut in outlet chamber grating for key access eliminating fall hazard.			
2020 is year 5. See note below			
Last Inspection Performed		October 28, 2019	
Last Maintenance Performed		Jan - Feb 2016 by Coco Paving	

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	Sat	Non Sat	Comments
1. General			
Surrounding vegetation and ground cover	✓		
Embankment condition (no erosion)	✓		
Embankment seeps/leaks	✓		
Animal Burrows	✓		Nine present
Floating debris (i.e. trash)	✓		
Visible pollution	✓		
Shoreline issues	✓		
Excess sedimentation	✓		
Interceptor swales –vegetation/erosion	✓		
Condition of rock check dams	✓		1
2. Pond Outlet Structure Overflow			
Concrete in good condition (no cracking/bulging)	✓		Pond is discharging
Grating intact	✓		
Undesirable vegetative growth	✓		
3. Pond Inlet Headwall			
Concrete in good condition	✓		
Undesirable vegetative growth	✓		

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Drains to West Storm Water Pond

ID	Quadrant	Time	Comments
Trench HW-07 (north of fence)	C2- (C-201)	13:41	No issues
Trench HW-08 (inside fence)	C2- (C-201)	13:41	No issues
MH-12	F3	13:45	No issues
CB-11	D3	13:48	No issues
West of grizzly building	D4	13:49	No issues
MH/CB-12	E4	13:51	No issues
CB-13A	F5	13:52	No issues
CB-13	F5	13:52	No issues
MH-11	G4	13:53	No issues
Pond HW	G3	13:54	No issues
Trench HW-05 (inside fence)	B2	14:08	No issues
Trench HW-06 (outside fence)	B2	14:09	No issues
Discharge Point	C2	14:10	No issues
HW-11 (leads to Grizzly exit road)	B4 (C-201)	14:14	No issues
NI: Not inspected			