

## Annual Sewage Works Inspection (Pond-East)

ECA 730C DEDVAN		_			-	
ECA 7306-8FDKNX	hand Cita Inanacticus	ا المسما	Animba-			
Condition 5. Equipment		and iv	rainter	nance		
Inspections and Mainte		st one	0 0 1/00	rand if	nacass	sary, clean and maintain the Works to prevent the excessive build-up of
sediments and/or vege		St Olici	e a yea	ii aiiu, ii	necess	sary, clean and maintain the works to prevent the excessive band up of
Date and Time:	A . A	20				<b>A.</b>
Inspector (print)	Amanda Huxt		1	C.A.Y		Inspector (signature)
Current Weather:					SW	Wind Speed: 24 km/ Precipitation:
Antecedent Weather:						
(Average previous	Tomp 5 (1)	Mind	Direct	tion: 26	H	Wind Speed: 15.7 Precipitation: 9.1 mm (60)
week)	Temp - 5.5°C	VVIIIU	Direct	LIOII.	Ť	Wind Speed: 15.7 Precipitation: 4.1 MM (EC)
WEEKI				Non	Ī	E INTRO
581 444 17		yo	Sat	Sat	Comr	ments
1. General		Shows	Kene	/	i de la	
Surrounding vegetation	and ground cover	179.11	V	1		
Embankment condition	(no erosion)	· 5.	~	, yo		
Embankment seeps/lea	aks		1			
Animal Burrows			V	-	1	bre present
Floating debris (i.e. trash)			V	,		
Visible pollution	Here's the second of the second	137	V	1	0 LV	(
Shoreline issues		***	/			
Excess sedimentation		1/8	V		1	
Interceptor swales –ve	getation/erosion		/			
Condition of rock check	c dams		25.5	3	NI	- CIA:
					1	
2. Pond Outlet Structu		PRINCIPAL PRINCI		/		
Concrete in good condition (no cracking/bulging)			V	/	Po	nd is discharging
Grating intact			V			
Undesirable vegetative growth			V	1		
						11 000 pt 1 0 pt 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
3. Pond Inlet Headwall		5 6 4		1		
Concrete in good condition			V	1		
Undesirable vegetative growth			1/		<u></u>	
					800	



## Annual Sewage Works Inspection (Pond- East )

	(A) (A) (A)	Service.						
	Sat	Non Sat	Comments					
4. Discharge Points	Deletary N	Maria M						
Pipe free of debris	V	,	give has back and of sit but still					
Lack of erosion at opposite bank			pipe has back oup of sitt but still discharging.					
5. Collection System	S Fault of Sec	15 (S. 10)	2 SILT IS coming from upstream					
Catch basins and storm sewer pipes freely flowing – no blockages								
Additional Comments:	Condition County							
Witness-Lyndsay Wal								
Weather data from	Court	ice	which except precipitation from EC					
September 2020 - ho ciccess without ren	les cu	1 gr	ating. Prevents fall hazard.					
2020 is year 5. Se	e 101	eb	elow					
Last Inspection Performed								
Last Maintenance Performed			b 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 <u>Drains to East Storm Water Pond</u>

CB-DIC         C8         12:43           MH/CB-D1B         C8         12:44           MH-DID         C7         12:45           MH-DIA         D7         12:46           MH-CB-D2C         C7         12:48           MH/2B         C7         12:59           GB-D1A         D8         12:46           MH-02         D7         12:52           MH-02         D7         12:52           MH-02A         D6         12:55           MH-02A         D6         12:56           Trench HW-01         E7         12:57           Trench HW-02         F7         12:59         3 piecs trash in swale           cb-01         F6         13:01         13:01           MH-03         F6         13:00         NI           outside residue bldg         G5         13:03         10           North ammonia tank         A5 (C-201)         13:04         13:04           CB-06         B5 (C-201)         13:06         13:07           MH-08         B7 (C-201)         13:08         NI           Trench HW-03         A7 (C-201)         13:09         NI           Trench HW-04         B7 (C-201	ID Quadrant Time Comments									
MH/CB 01B         C8         12:44           MH-01D         C7         12:45           MH-01A         D7         12:46         NI           CB-02D         C7         12:48         NI           MH/CB-02C         C7         12:49         CR           MH-2B         C7         12:50         Gravel and leaves to bottom of pipe           CB-01A         D8         12:46         NI           MH-02         D7         12:52         NI           CB-01A         D8         12:46         NI           MH-02         D7         12:52         NI           CB-02A         C6         12:55         NI           MH-02A         D6         12:56         DECENTION OF TABLE O										
MH-01D         C7         12:45         NI           CB-02D         C7         12:48         NI           MH/CB-02C         C7         12:49         MH-CB-02C         C7         12:49           MH-2B         C7         12:50         Gravel and leaves to bottom of pipe	CB-01C	C8	12:43							
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 piecs trash in swale           c8-03         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)         13:10 <td>MH/CB-01B</td> <td>C8</td> <td>12:44</td> <td></td>	MH/CB-01B	C8	12:44							
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         Image: Common of pipe           CB-01A         D8         12:52         NI           MH-02         D7         12:52         NI           CB-02A         C6         12:55         Image: Common of pipe           CB-02A         C6         12:55         Image: Common of pipe           MH-02A         D6         12:55         Image: Common of pipe           Trench HW-01         E7         12:55         Image: Common of pipe           Trench HW-02         F7         12:55         Image: Common of pipe           CB-02A         C6         12:55         Image: Common of pipe           Trench HW-02         F6         12:55         Image: Common of pipe           Trench HW-03         F6         13:01         Image: Common of pipe         Image: Common of pipe           Trench HW-04         B7 (C-201)         13:06         Image: Common of pipe         Image: Common of pipe           Trench HW-04         B7 (C-201)         13:09         Image: Common of pipe         Image: Common	MH-01D	C7	12:45							
MH/CB-02C         C7         12:49           MH-2B         C7         12:50         Gravel and leaves to bottom of pipe           CB-01A         D8         12:46         Image: CB-02A	MH-01A	D7	12:46	NI						
MH-2B         C7         12:50         Gravel and leaves to bottom of pipe           CB-01A         D8         12:46         NI           MH-02         D7         12:52         NI           CB-02A         C6         12:55         Image: CB-02 Arrow of the pipe           MH-02A         D6         12:56         Image: CB-02 Arrow of the pipe           Trench HW-01         E7         12:57         Image: CB-02 Arrow of the pipe           CB-03         F6         13:01         Image: CB-02 Arrow of the pipe           MH-03         F6         13:00         NI           outside residue bldg         G5         13:03         Image: CB-04 Arrow of the pipe           North ammonia tank         A5 (C-201)         13:04         Image: CB-06 Arrow of the pipe           MH-CB-05         B6 (C-201)         13:06         Image: CB-06 Arrow of the pipe           MH-04         B7 (C-201)         13:08         NI           Trench HW-03         A7 (C-201)         13:09         Image: CB-04 Arrow of the pipe of the pi	CB-02D	С7	12:48							
CB-01A         D8         12:46           MH-02         D7         12:52         NI           CB-02A         C6         12:55         Image: Comparison of the comparison o	MH/CB-02C	С7	12:49							
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 piecs 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 p on South side           MH-06         D7 (C-201)         13:13            Pond HW         E7 (C-201)         13:15         2 cm water and algae on apron           Pond Outlet <td>MH-2B</td> <td>С7</td> <td>12:50</td> <td>Gravel and leaves to bottom of pipe</td>	MH-2B	С7	12:50	Gravel and leaves to bottom of pipe						
CB-02A         C6         12:55           MH-02A         D6         12:56           Trench HW-01         E7         12:57           Trench HW-02         F7         12:59         3 piecs trash in swale           CB-03         F6         13:01         MH-03         MH-03         F6         13:00         NI           Outside residue bldg         G5         13:03         MI         MI         CB-06         B5 (C-201)         13:04         MI         CB-06         B5 (C-201)         13:06         MI         MI         CB-06         B5 (C-201)         13:07         MI	CB-01A	D8	12:46							
MH-02A         D6         12:56           Trench HW-01         E7         12:57           Trench HW-02         F7         12:59         3 piecs trash in swale           C8-03         F6         13:01         NI           MH-03         F6         13:00         NI           outside residue bldg         G5         13:03         NI           North ammonia tank         A5 (C-201)         13:04         AT           CB-06         B5 (C-201)         13:06         NI           MH/CB-05         B6 (C-201)         13:07         NI           MH-04         B7 (C-201)         13:08         NI           Trench HW-03         A7 (C-201)         13:09         NI           Trench HW-04         B7 (C-201)         13:10         AT           HW-01         D6 (C-201)         13:11         2-4 mm dirt build p on South side           MH-06         D7 (C-201)         13:12         NI           MH-07         D7 (C-201)         13:13         2 cm water and algae on apron           Pond HW         E7 (C-201)         13:26         Pond discharging           Discharge Point         F5         14:45         Reeds and silt build up from upstream	MH-02	D7	12:52	NI						
Trench HW-01         E7         12:57           Trench HW-02         F7         12:59         3 piecs trash in swale           CB-03         F6         13:01         MH-03           MH-03         F6         13:00         NI           outside residue bldg         G5         13:03         MI           North ammonia tank         A5 (C-201)         13:04         MI           CB-06         B5 (C-201)         13:06         MI           MH/CB-05         B6 (C-201)         13:07         MI           MH-04         B7 (C-201)         13:08         NI           Trench HW-03         A7 (C-201)         13:09         MI           Trench HW-04         B7 (C-201)         13:10         MI           HW-01         D6 (C-201)         13:11         2-4 mm dirt build p on South side           MH-06         D7 (C-201)         13:12         NI           MH-07         D7 (C-201)         13:13         2 cm water and algae on apron           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	CB-02A	C6	12:55							
Trench HW-02         F7         12:59         3 piecs trash in swale           CB-03         F6         13:01         NI           MH-03         F6         13:00         NI           outside residue bldg         G5         13:03         SI           North ammonia tank         A5 (C-201)         13:04         SI           CB-06         B5 (C-201)         13:06         SI           MH/CB-05         B6 (C-201)         13:07         SI           MH-04         B7 (C-201)         13:08         NI           Trench HW-03         A7 (C-201)         13:09         SI           Trench HW-04         B7 (C-201)         13:10         SI           HW-01         D6 (C-201)         13:11         2-4 mm dirt build p on South side           MH-06         D7 (C-201)         13:12         NI           MH-07         D7 (C-201)         13:13         SI           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	MH-02A	D6	12:56							
C8-03       F6       13:01         MH-03       F6       13:00       NI         outside residue bldg       G5       13:03       Image: Carrow of the content of the con	Trench HW-01	E7	12:57							
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)           Trench HW-04         B7 (C-201)         13:10           HW-01         D6 (C-201)         13:11         2-4 mm dirt build p on South side           MH-06         D7 (C-201)         13:12         NI           MH-07         D7 (C-201)         13:13         NI           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	Trench HW-02	F7	12:59	3 piecs trash in swale						
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           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 p on South side           MH-06         D7 (C-201)         13:12         NI           MH-07         D7 (C-201)         13:13         2 cm water and algae on apron           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	CB-03	F6	13:01							
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           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 p on South side           MH-06         D7 (C-201)         13:12         NI           MH-07         D7 (C-201)         13:13         2 cm water and algae on apron           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	MH-03	F6	13:00	NI						
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 p on South side         MH-06       D7 (C-201)       13:12       NI         MH-07       D7 (C-201)       13:13       2 cm water and algae on apron         Pond HW       E7 (C-201)       13:26       Pond discharging         Discharge Point       F5       14:45       Reeds and silt build up from upstream	outside residue bldg	G5	13:03							
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 p on South side         MH-06       D7 (C-201)       13:12       NI         MH-07       D7 (C-201)       13:13       Very water and algae on apron         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	North ammonia tank	A5 (C-201)	13:04							
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 p 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	CB-06	B5 (C-201)	13:06							
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 p 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	MH/CB-05	B6 (C-201)	13:07							
Trench HW-04         B7 (C-201)         13:10           HW-01         D6 (C-201)         13:11         2-4 mm dirt build p 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	MH-04	B7 (C-201)	13:08	NI						
HW-01       D6 (C-201)       13:11       2-4 mm dirt build p 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	Trench HW-03	A7 (C-201)	13:09							
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	Trench HW-04	B7 (C-201)	13:10							
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	HW-01	D6 (C-201)	13:11	2-4 mm dirt build p on South side						
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	MH-06	D7 (C-201)	13:12	NI						
Pond Outlet E6 (C-201) 13:26 Pond discharging  Discharge Point F5 14:45 Reeds and silt build up from upstream	MH-07	D7 (C-201)	13:13							
Discharge Point F5 14:45 Reeds and silt build up from upstream	Pond HW	E7 (C-201)	13:15	2 cm water and algae on apron						
	Pond Outlet	E6 (C-201)	13:26	Pond discharging						
*NI: Not inspected*	Discharge Point	F5	14:45	Reeds and silt build up from upstream						
	*NI: Not inspected*									



### Annual Sewage Works Inspection (Pond- West)

	the Company of the				
	Sat	Non Sat	Comments		
4. Discharge Points	4940	318 HV8			
Pipe free of debris	V	7			
Lack of erosion at opposite bank	V		7		
			11 - 11 2 2 2 1 2 1 2 1 2 1 2 1 2 1 2 1		
5. Collection System	THE ST	/			
Catch basins and storm sewer pipes freely flowing – no blockages					
Additional Comments:		e some			
Witness- Lyndsay Wo	aller	R	egion of Durham		
weather from court					
September 2020 hol Climinating fall in 2020 is year 5. Se	67 (5 250 6 (1)	ote.	n outlet chamber grating for by access		
Last Inspection Performed	1	Octob	er 28, 2019		
Last Maintenance Performed			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.



### Annual Sewage Works Inspection (Pond- West )

C						Water day and			
ECA 7306-8FDKNX									
Condition 5. Equipmen		and I	Mainte	nance					
Inspections and Mainte									
		ist one	e a yea	ir and, if	necess	sary, clean and maintain the Works to prevent the excessive build-up of			
sediments and/or vege	tation.			-					
Date and Time:	Amanda Huxter	ec	20	200	.0				
Inspector (print)						Inspector (signature)			
Current Weather:	Temp - 13C Wind Direction: 5W			ion: 🔁	SW	Wind Speed: Z4kih Precipitation:			
Antecedent Weather:				2	271				
(Average previous	Temp - 5.5°C	Wind	d Direct	ion:	- I	Wind Speed: 15.7 Precipitation: 9 MM (EC)			
week)						KW/V			
			Sat	Non	Comr	ments			
To the Control of the			Name and Property of the Party	Sat					
1. General	SEASON STORY	100		1.00	424a				
Surrounding vegetation				_	-				
Embankment condition	Marian Company		V						
Embankment seeps/lea	ıks		V						
Animal Burrows			V	/	$\mathcal{N}$	The present			
Floating debris (i.e. tras	sh)		V	-	100				
Visible pollution			V	/					
Shoreline issues				•					
Excess sedimentation			V						
Interceptor swales –veg	getation/erosion		V	,					
Condition of rock check	dams		V		1				
				63.7		27 13 28 A D L T T T T T T T T T T T T T T T T T T			
2. Pond Outlet Structur	re Overflow	b/ATB/-/ rebr							
Concrete in good condition (no cracking/bulging)			~	O'em -	180	and is discharging			
Grating intact			1/			J. J			
Undesirable vegetative growth			V			80 812			
3. Pond Inlet Headwall	<b>"我们是我们的</b>	tress in		/		NAC OF THE PROPERTY OF THE PRO			
Concrete in good condition			1/	/					
Undesirable vegetative growth			V		3				

# 2020 Annual Sewage Works Inspection - November 20, 2020 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)	В2	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*			