

# UTILITY OPERATIONS

## BYPASS, SPILL OR LEAK REPORTING

Date: April 1st 2023 Time of Call: 2:00am

Location of Incident: Riverside Pump Station

What Happened: Heavy Rains caused high levels at Riverside, Chris & Shane on site. Tried controlling levels by holding sewage at North End & Arena East. Once we realized we would not be able to keep up called Mickerson at 3:50 to get a vac truck. were unable to avoid an overflow. vac on site at 4:25 am

When: Overflow started at 4:20. Ended at 4:30 Set up at chlorine drip

Current Status: Unable to get a dosage for chlorine as unable to estimate such a small volume from 10 min drip using a 10L Jug - Mickerson took 72 m<sup>3</sup> to lagoons with the truck

Overflows: ☒ Yes ☐ No  
 Bypass: ☐ Yes ☐ No  
 Spill: ☐ Yes ☐ No  
 Leak: ☐ Yes ☐ No

Approximate amount: 1.0 m<sup>3</sup>

Current Action: Collected Sample, Notification Needed Authorities

Possible effects on the receiver, environment or downstream user: no downstream user

Further action required: Samples driven to London SGS by Ben Overeen on April 1st.

Back holding time would not have waited until Monday. Awaiting Results

Emailed a copy of report to MECP - 8:00 am April 3/23.  
- Lab results received April 11/23. at 7:32 am. Forwarded to MECP. Rhonda Shannon  
 Prepared by: Chris Legge - Water/Sewer Foreman  
 Representing: Man of Arden-Elderslie

**SGS Canada Inc.**  
P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

11-April-2023

**Mun of Arran Elderslie (Chesley Lagoons)**

Attn : Scott McLeod

Date Rec. : 01 April 2023  
LR Report: CA30004-APR23

1925-10 Bruce Rd, PO Box 70  
Chesley, ON  
N0G 1L0, Canada

Copy: #1

Phone: 519-363-3039 ext:122  
Fax:519-363-9337

## CERTIFICATE OF ANALYSIS

### Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Riverside Pump Station Overflow Event
Sample Date & Time					01-Apr-23 04:25
Temperature Upon Receipt [at London Lab °C]	---	---	---	---	15.7
Temperature Upon Receipt [at Lakefield Lab °C]	---	---	---	---	7.0
E.Coli [cfu/100mL]	01-Apr-23	16:35	03-Apr-23	15:25	350000
Biochemical Oxygen Demand (BOD5) [mg/L]	04-Apr-23	16:55	10-Apr-23	10:45	14
Total Suspended Solids [mg/L]	04-Apr-23	13:49	05-Apr-23	15:55	30
Phosphorus (total) [mg/L]	04-Apr-23	17:00	05-Apr-23	13:59	0.25
Total Kjeldahl Nitrogen [as N mg/L]	04-Apr-23	17:56	05-Apr-23	15:45	1.3

Note: E.Coli analysis was completed at the SGS Environmental Services - London Laboratory.

  
Carrie Greenlaw  
Project Specialist,  
Environment, Health & Safety

## UTILITY OPERATIONS

## BYPASS, SPILL OR LEAK REPORTING

Date: April 5, 2023 Time of Call: 11:00 amLocation of Incident: Riverside Pump station, Chesley

What Happened: Major Rain event / Thunderstorms overwhelming Pump stations  
Power outage at 11:00, both pumps at Riverside stopped until generator was running, lost  
ground. Level kept climbing, Called for Vac trucks. Supplied with 1 truck, widespread  
Rain Event. Hauled 1 truck load from North End Pump Stn, and 11 loads from Riverside Pump Stn.

When: Overflow Started at 11:35, Ended at 16:25Current Status: Vac Truck on site hauling at 12:00pm, Notified Chris Legge & Scott McLeod

Bypass:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Plant Flow approx 70 L/sec
Spill:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Used 5 L of hypo. Dosage of 3.19 mg/L
Leak:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	

Approximate amount: 188 m<sup>3</sup>Current Action: Sampled Effluent at start and end of overflowPossible effects on the receiver, environment or downstream user:  
None known of

Further action required: Called Spills = Event # 1-34 HST2 at 15:20 and at 17:05  
 Stephanie McGill  
 Grace Sutcliffe

Called Saugeen Valley Conservation at 16:00 = Ellise McLeodCalled MOH at 16:05, left msg. = Stephanie Nickels = Text her info (519 378 4822)(L) Received sample results on April 13, sent to Rhonda Shannon (MECP)Prepared by: Trevor SweigerRepresenting: Municipality of Arran Elderslie



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

**Works #: 110000105****13-April-2023****Mun of Arran Elderslie (Chesley Lagoons)****Attn : Scott McLeod**

1925-10 Bruce Rd, PO Box 70  
Chesley, ON  
N0G 1L0, Canada

Phone: 519-363-3039 ext:122  
Fax:519-363-9337

**Date Rec. :** 06 April 2023  
**LR Report:** CA12288-APR23

**Copy:** #1

## CERTIFICATE OF ANALYSIS

### Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: Riverside Pump Station Overflow Event Start	6: Riverside Pump Station Overflow Stop
Sample Date & Time					05-Apr-23 11:45	05-Apr-23 16:20
Temperature Upon Receipt [°C]	---	---	---	---	9.0	9.0
Biochemical Oxygen Demand (BOD5) [mg/L]	06-Apr-23	19:55	12-Apr-23	12:34	62	< 12
Total Suspended Solids [mg/L]	11-Apr-23	06:05	12-Apr-23	12:46	314	42
Phosphorus (total) [mg/L]	11-Apr-23	14:23	13-Apr-23	07:34	1.00	0.36
Total Kjeldahl Nitrogen [as N mg/L]	11-Apr-23	09:53	12-Apr-23	10:22	4.6	2.5
E. Coli [cfu/100mL]	06-Apr-23	16:16	10-Apr-23	12:35	102000	1200

Carrie Greenlaw  
Project Specialist,  
Environment, Health & Safety