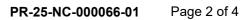




Food & Water Testing

PRELIMINARY REPORT

REPORT CODE		PR-25-NC-000066-01		REPORT DATE 0	REPORT DATE 09/04/2025	
Attention	Otago Regior	nal Council				
	Drivete Dec 1	054				
	Private Bag 1					
	9054 DUNED NEW ZEALAI					
Phone				Copy to: compliance	, regulatory	
Email					, 3 , 1	
	or your orders:			Order code:	EUNZCH-00213654	
Contract: Submissi	on Reference:	Incident Response Emergency discharge to Shotover		Purchase Order Number:		
		River Treated Effluent				
SAMPLE	CODE	817-2025-00036179				
Sample N	lame	IN25.0273A				
Sample R		U/S WWTP and SH6 B	Bridge	Decention to managetures	12.8 °C	
	n Date & Time: Started on:	07/04/2025 16:00 08/04/2025		Reception temperature: Analysis Ending Date:	09/04/2025	
Product T		Surface water, raw wat	er	Sampler(s)		
Sampled	Date & Time	07/04/2025 13:25		,		
		RESULTS	;	LOQ		
®NCOAK A	Ammoniacal Nitr	ogen by Discrete Analys	ser			
	Ammonia nitrogen	<0.01	mg/l	0.01		
		Escherichia coli by Mem		on		
4	Escherichia coli	7	cfu/100 ml	1		
=	oH in Water by M ₀H	anual Electrode (Tested 8.0	l beyond 15 m	ninute APHA holding time)		
т.		o.ں itrogen in Water by Disc	roto Analyzar	0.1		
-	Total Oxidised Nitro		mg/l	0.01		
		Solids in Water by Grav	-			
	Suspended Solids	76.0	mg/l	2.5		
SAMPLE	CODE	817-2025-00036180				
Sample N		IN25.0273B				
Sample R	leference	Final Discharge Post U	IV			
•	n Date & Time: Started on:	07/04/2025 16:00 08/04/2025		Reception temperature: Analysis Ending Date:	12.8 °C 09/04/2025	
Product T		Treated Effluent		Sampler(s)	09/04/2023	
	Date & Time	07/04/2025 15:00		Campion(C)		
		RESULTS	;	LOQ		
SNCOAK A	Ammoniacal Nitr	ogen by Discrete Analys	ser			
	Ammonia nitrogen	8.10	mg/l	0.01		
[*] ZMJU7 e	Enumeration of E	Escherichia coli by Mem	brane Filtratio	on		
	Escherichia coli	<1	cfu/100 ml	1		
-	-	-	l beyond 15 m	ninute APHA holding time)		
ч.	pH	7.3		0.1		
	Total Oxidised Ni	i trogen in Water by Disc gen 4.4	mg/l	0.01		
	C Limpite d		mitad	Dhone (Obsistations to 164	3 3/3 5007	
Eurofins EL 43 Detroit D		Eurofins ELS Lii 142 Esk Street	mileu	Phone (Christchurch) ⁺⁶⁴ Phone (Invercargill)	J JHJ JZZI	CCREDITED
Rolleston		Invercargill 9810		www.eurofins.co.nz		
Christchurch		NEW ZEALAND)		Hac-MRA	
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		valer	Iesino	
		IMUVI		

				อนแห		
		RESULTS		LOQ		
*NC0AE	Total Suspended	Solids in Water by Grav	/imetry			
	Suspended Solids	16.2	mg/l	2.5		
SAMPL	E CODE	817-2025-00036181				
Sample		IN25.0273C		-		
-	Reference	Shotover WWTP Disch 07/04/2025 16:00	arge to Shoto		42.0.%	
	on Date & Time: s Started on:	07/04/2025 16:00		Reception temperature: Analysis Ending Date:	12.8 °C 09/04/2025	
Product		Surface water. raw wat	or		09/04/2023	
	d Date & Time	07/04/2025 13:35		Sampler(s)		
		RESULTS		LOQ		
NCUAK	Ammoniacal Nitr	ogen by Discrete Analys		LOQ		
NOUAN	Ammonia nitrogen	9.03	mg/l	0.01		
	•		0	0.01		
ZMJU/		scherichia coli by Mem				
	Escherichia coli	4	cfu/100 ml	1		
NC0AF			beyond 15 n	ninute APHA holding time)		
	рН	7.5		0.1		
[*] NC04C	Total Oxidised Ni	trogen in Water by Disc	rete Analyse	r		
	Total Oxidised Nitro	gen 4.1	mg/l	0.01		
NC0AE	Total Suspended	Solids in Water by Grav	vimetry			
	Suspended Solids	13.0	mg/l	2.5		
SAMPL	E CODE	817-2025-00036182				
Sample	Name	IN25.0273D				
Sample	Reference	Approx 20m D/S of Dis	charge Shoto	ver River		
	on Date & Time:	07/04/2025 16:00		Reception temperature:	12.8 °C	
-	s Started on:	08/04/2025		Analysis Ending Date:	09/04/2025	
Product		Surface water, raw water		Sampler(s)		
Sample	d Date & Time	07/04/2025 14:04				
		RESULTS		LOQ		
NC0AK	Ammoniacal Nitro	ogen by Discrete Analys	ser			
	Ammonia nitrogen	0.03	mg/l	0.01		
ZMJU7	Enumeration of E	scherichia coli by Mem	brane Filtrati	on		
	Escherichia coli	54	cfu/100 ml	1		
NC0AF	pH in Water by M	anual Electrode (Tested	bevond 15 n	ninute APHA holding time)		
	рН	7.8		0.1		
NC04C		trogen in Water by Disc	roto Analyso			
110040	Total Oxidised Nitrog	•	mg/l	0.01		
			0	0.01		
NCUAE		Solids in Water by Grav		0.5		
	Suspended Solids	20.2	mg/l	2.5		
SAMDI		817-2025-00036183				
SAMPLE CODE		IN25.0273E				
Sample Name Sample Reference		U/S of Kawarau River				
Reception Date & Time:		07/04/2025 16:00		Reception temperature:	12.8 °C	
-	s Started on:	08/04/2025		Analysis Ending Date:	09/04/2025	
Product	Туре	Surface water, raw water		Sampler(s)		
	d Date & Time	07/04/2025 13:40		- • •		
urofins E	LS Limited	Eurofins ELS Lir	mited	Phone (Christchurch) +64	3 343 5227	
43 Detroit Drive		142 Esk Street		Phone (Invercargill)	ACCRED	ITEO
Rolleston		Invercargill 9810		www.eurofins.co.nz		
Christchurch 7614		NEW ZEALAND	1			E,



Food & Water Testing

		RESULTS		LOQ	
∬NC0AK	Ammoniacal Nitrogen by	y Discrete Analys	er		
	Ammonia nitrogen	<0.01	mg/l	0.01	
*ZMJU7	Enumeration of Escheric	chia coli by Meml	orane Filtration		
	Escherichia coli	110	cfu/100 ml	1	
*NC0AF	pH in Water by Manual E	ectrode (Tested	beyond 15 minu	APHA holding time)	
	рH	7.3		0.1	
*NC04C	Total Oxidised Nitrogen	in Water by Disci	ete Analyser		
	Total Oxidised Nitrogen	0.10	mg/l	0.01	
*NC0AE	Total Suspended Solids	in Water by Grav	imetry		
	Suspended Solids	<2.5	mg/l	2.5	

SAMPL	E CODE	817-2025-00036184				
Sample Name		IN25.0273F				
Sample	Reference	D/S of Kawarau River				
Recepti	on Date & Time:	07/04/2025 16:00		Reception temperature:	12.8 °C	
Analysi	s Started on:	08/04/2025		Analysis Ending Date:	09/04/2025	
Product Type Sampled Date & Time		Surface water, raw water 07/04/2025 12:41		Sampler(s)		
		RESULTS		LOQ		
SNC0AK	Ammoniacal Nitr	ogen by Discrete Analys	er			
	Ammonia nitrogen	0.21	mg/l	0.01		
*ZMJU7	Enumeration of E	scherichia coli by Memi	orane Filtratio	n		
	Escherichia coli	23	cfu/100 ml	1		
*NC0AF	pH in Water by M	anual Electrode (Tested	beyond 15 mi	nute APHA holding time)		
	· ·		-			

	pH	8.0		0.1
*NC04C	Total Oxidised Nitrogen	in Water by Di	screte Analyser	
	Total Oxidised Nitrogen	0.14	mg/l	0.01
*NC0AE	Total Suspended Solids	in Water by G	ravimetry	
	Suspended Solids	8.5	ma/l	25

LIST OF METHODS

NC04C	Total Oxidised Nitrogen in Water by Discrete Analyser: APHA Online Edition 4500-NO3 H	NC0AE	Total Suspended Solids in Water by Gravimetry: APHA Online Edition 2540 D
NC0AF	pH in Water by Manual Electrode (Tested beyond 15 minute APHA holding time): APHA 24th Edition 4500-H B	NC0AK	Ammoniacal Nitrogen by Discrete Analyser: ISBN 0117516139 mod.
ZMJU7	Escherichia coli E (Water) [NZ Water] <1 >8 000 /100 ml (0) mTEC Agar-F: US-EPA 1603:2014		

Signature



EXPLANATORY NOTE

Eurofins ELS Limited 43 Detroit Drive Rolleston Christchurch 7614 NEW ZEALAND

Eurofins ELS Limited 142 Esk Street Invercargill 9810 NEW ZEALAND Phone (Christchurch) +64 3 343 5227 Phone (Invercargill) www.eurofins.co.nz





Food & Water Testing

Test is not accredited

② Test is subcontracted within Eurofins group and is accredited

③ Test is subcontracted within Eurofins group and is not accredited

Test is subcontracted outside Eurofins group and is accredited

S Test is subcontracted outside Eurofins group and is not accredited

Test result is provided by the customer and is not accredited

Tested at the sampling point by Eurofins and is not accredited

[®] Tested at the sampling point by Eurofins and is accredited

Test is RLP accredited

Test is subcontracted within Eurofins group and is RLP accredited *Test was performed at Eurofins ELS Limited, 142 Esk Street, Invercargill N/A means Not Applicable

Not Detected means not detected at or above the Limit of Quantification (LOQ) LOQ means Limit of Quantification and the unit of LOQ is the same as the result unit

✗ (Unsatisfactory) means does not meet the specification

 \checkmark (Satisfactory) means meets the specification

MAV means Maximum Allowable Value

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END OF REPORT

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