



# Test Report

**Lab Report Number:** 3083J01 **Analysis Number:** 99A/103883

<b>Customer ID:</b>	CONN.W1	<b>Analysis Type:</b>	Misc. Tests (99A)
<b>Contact Name:</b>	MARK DOWLING	<b>Delivery By:</b>	Customer
<b>Company Name:</b>	CONNOLLY WILLIAM + SONS	<b>Sample Card Number:</b>	120417P/7
<b>Address:</b>	RED MILLS GORESBRIDGE CO. KILKENNY.	<b>Sample Condition:</b>	Acceptable
<b>Sample Type:</b>	Effluent	<b>Date Sample Received:</b>	12/04/2017
<b>Sample Reference:</b>	EFFLUENT	<b>Date Analysis Commenced:</b>	12/04/2017
<b>Sample Description:</b>	UPSTREAM BARROW 12/4/17	<b>Date Certificate Issued:</b>	20/04/2017

Parameter	Method	Result	Unit
Biochemical Oxygen Demand	Oxygen Meter SOP 2006	1	mg/l
Chloride	Konelab Aquakem SOP 2065	22.54	mg/l
Chemical Oxygen Demand	Microdigestion and Colourimetry SOP 2005	9	mg/l
Conductivity	Electrometry SOP 2076	597	µS/cm 20°C
Copper	ICP-MS	<20	ug/l
E. Coli*	Quanti-tray SOP 2090	272.3	MPN/100ml
Iron	ICP-MS	84	ug/l
Manganese	ICPMS	<20	ug/l
Ammonia	Konelab Aquakem SOP 2057	0.01	mg/l NH3
Nitrate	Konelab Aquakem SOP 2060	21.25	mg/l NO3
Oils, Fats and Grease*	Solvent Extraction	2.3	mg/l
Total Coliforms*	Quanti-tray SOP 2090	1046.2	MPN/100ml

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Signed: Wendy McCall  
**Wendy McCall - Laboratory Manager**

Date: 20/04/2017

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# Test Report

**Lab Report Number:** 3083J02

**Analysis Number:** 99A/103884

<b>Customer ID:</b>	CONN.W1	<b>Analysis Type:</b>	Misc. Tests (99A)
<b>Contact Name:</b>	MARK DOWLING	<b>Delivery By:</b>	Customer
<b>Company Name:</b>	CONNOLLY WILLIAM + SONS	<b>Sample Card Number:</b>	120417P/7
<b>Address:</b>	RED MILLS GORESBRIDGE CO. KILKENNY.	<b>Sample Condition:</b>	Acceptable
<b>Sample Type:</b>	Effluent	<b>Date Sample Received:</b>	12/04/2017
<b>Sample Reference:</b>	EFFLUENT	<b>Date Analysis Commenced:</b>	12/04/2017
<b>Sample Description:</b>	STREAM BEHIND MILL 12/4/17	<b>Date Certificate Issued:</b>	20/04/2017

Parameter	Method	Result	Unit
Biochemical Oxygen Demand	Oxygen Meter SOP 2006	2	mg/l
Chloride	Konelab Aquakem SOP 2065	22.11	mg/l
Chemical Oxygen Demand	Microdigestion and Colourimetry SOP 2005	7	mg/l
Conductivity	Electrometry SOP 2076	585	µS/cm 20°C
Copper	ICP-MS	<20	ug/l
E. Coli*	Quanti-tray SOP 2090	1119.9	MPN/100ml
Iron	ICP-MS	43	ug/l
Manganese	ICPMS	<20	ug/l
Ammonia	Konelab Aquakem SOP 2057	0.02	mg/l NH3
Nitrate	Konelab Aquakem SOP 2060	22.26	mg/l NO3
Oils, Fats and Grease*	Solvent Extraction	1.6	mg/l
Total Coliforms*	Quanti-tray SOP 2090	2419.6	MPN/100ml

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Signed: Wendy McCall  
**Wendy McCall - Laboratory Manager**

Date: 20/04/2017

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# Test Report

**Lab Report Number:** 3083J03      **Analysis Number:** 99A/103885

<b>Customer ID:</b> CONN.W1	<b>Analysis Type:</b> Misc. Tests (99A)
<b>Contact Name:</b> MARK DOWLING	<b>Delivery By:</b> Customer
<b>Company Name:</b> CONNOLLY WILLIAM + SONS	<b>Sample Card Number:</b> 120417P/7
<b>Address:</b> RED MILLS GORESBRIDGE CO. KILKENNY.	<b>Sample Condition:</b> Acceptable
<b>Sample Type:</b> Effluent	<b>Date Sample Received:</b> 12/04/2017
<b>Sample Reference:</b> EFFLUENT	<b>Date Analysis Commenced:</b> 12/04/2017
<b>Sample Description:</b> WETLANDS N 12/4/17	<b>Date Certificate Issued:</b> 20/04/2017

Parameter	Method	Result	Unit
Biochemical Oxygen Demand	Oxygen Meter SOP 2006	9	mg/l
Chloride	Konelab Aquakem SOP 2065	24.24	mg/l
Chemical Oxygen Demand	Microdigestion and Colourimetry SOP 2005	25	mg/l
Conductivity	Electrometry SOP 2076	620	µS/cm 20°C
Copper	ICP-MS	<20	ug/l
E. Coli*	Quanti-tray SOP 2090	<1.0	MPN/100ml
Iron	ICP-MS	106	ug/l
Manganese	ICPMS	193	ug/l
Ammonia	Konelab Aquakem SOP 2057	0.04	mg/l NH3
Nitrate	Konelab Aquakem SOP 2060	<2.2	mg/l NO3
Oils, Fats and Grease*	Solvent Extraction	7.6	mg/l
Total Coliforms*	Quanti-tray SOP 2090	8.4	MPN/100ml

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Signed: Wendy McCall  
**Wendy McCall - Laboratory Manager**

Date: 20/04/2017

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# Test Report

Lab Report Number: 3083J04

Analysis Number: 99A/103886

Customer ID: CONN.W1  
Contact Name: MARK DOWLING  
Company Name: CONNOLLY WILLIAM + SONS  
Address: RED MILLS  
GORESBRIDGE  
CO. KILKENNY.

Analysis Type: Misc. Tests (99A)  
Delivery By: Customer  
Sample Card Number: 120417P/7  
Sample Condition: Acceptable

Sample Type: Effluent  
Sample Reference: EFFLUENT  
Sample Description: DOWNSTREAM BARROW 12/4/17

Date Sample Received: 12/04/2017  
Date Analysis Commenced: 12/04/2017  
Date Certificate Issued: 20/04/2017

Parameter	Method	Result	Unit
Biochemical Oxygen Demand	Oxygen Meter SOP 2006	1	mg/l
Chloride	Konelab Aquakem SOP 2065	23.21	mg/l
Chemical Oxygen Demand	Microdigestion and Colourimetry SOP 2005	7	mg/l
Conductivity	Electrometry SOP 2076	598	µS/cm 20°C
Copper	ICP-MS	<20	ug/l
E. Coli*	Quanti-tray SOP 2090	275.5	MPN/100ml
Iron	ICP-MS	92	ug/l
Manganese	ICPMS	24	ug/l
Ammonia	Konelab Aquakem SOP 2057	0.01	mg/l NH3
Nitrate	Konelab Aquakem SOP 2060	21.52	mg/l NO3
Oils, Fats and Grease*	Solvent Extraction	6.0	mg/l
Total Coliforms*	Quanti-tray SOP 2090	1046.2	MPN/100ml

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Signed: Wendy McCall  
**Wendy McCall - Laboratory Manager**

Date: 20/04/2017

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# Test Report

Lab Report Number: 3083J05

Analysis Number:

99A/103887

Customer ID: CONN.W1

Analysis Type:

Misc. Tests (99A)

Contact Name: MARK DOWLING

Delivery By:

Customer

Company Name: CONNOLLY WILLIAM + SONS

Sample Card Number:

120417P/7

Address: RED MILLS  
GORESBRIDGE  
CO. KILKENNY.

Sample Condition:

Acceptable

Sample Type: Effluent

Date Sample Received:

12/04/2017

Sample Reference: EFFLUENT

Date Analysis Commenced:

12/04/2017

Sample Description: WETLANDS S 12/4/17

Date Certificate Issued:

20/04/2017

Parameter	Method	Result	Unit
Biochemical Oxygen Demand	Oxygen Meter SOP 2006	2	mg/l
Chloride	Konelab Aquakem SOP 2065	23.71	mg/l
Chemical Oxygen Demand	Microdigestion and Colourimetry SOP 2005	7	mg/l
Conductivity	Electrometry SOP 2076	708	µS/cm 20°C
Copper	ICP-MS	<20	ug/l
E. Coli*	Quanti-tray SOP 2090	22.6	MPN/100ml
Iron	ICP-MS	<20	ug/l
Manganese	ICPMS	<20	ug/l
Ammonia	Konelab Aquakem SOP 2057	0.04	mg/l NH3
Nitrate	Konelab Aquakem SOP 2060	34.93	mg/l NO3
Oils, Fats and Grease*	Solvent Extraction	2.0	mg/l
Total Coliforms*	Quanti-tray SOP 2090	260.3	MPN/100ml

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Signed:

*Wendy McCall*

Date:

20/04/2017

Wendy McCall - Laboratory Manager

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# Test Report

**Lab Report Number:** 3083J06      **Analysis Number:** 99A/103888

<b>Customer ID:</b>	CONN.W1	<b>Analysis Type:</b>	Misc. Tests (99A)
<b>Contact Name:</b>	MARK DOWLING	<b>Delivery By:</b>	Customer
<b>Company Name:</b>	CONNOLLY WILLIAM + SONS	<b>Sample Card Number:</b>	120417P/7
<b>Address:</b>	RED MILLS GORESBRIDGE CO. KILKENNY.	<b>Sample Condition:</b>	Acceptable
<b>Sample Type:</b>	Effluent	<b>Date Sample Received:</b>	12/04/2017
<b>Sample Reference:</b>	EFFLUENT	<b>Date Analysis Commenced:</b>	12/04/2017
<b>Sample Description:</b>	STREAM AT FISH TANK 12/4/17	<b>Date Certificate Issued:</b>	20/04/2017

Parameter	Method	Result	Unit
Biochemical Oxygen Demand	Oxygen Meter SOP 2006	1	mg/l
Chloride	Konelab Aquakem SOP 2065	20.92	mg/l
Chemical Oxygen Demand	Microdigestion and Colourimetry SOP 2005	6	mg/l
Conductivity	Electrometry SOP 2076	594	µS/cm 20°C
Copper	ICP-MS	<20	ug/l
E. Coli*	Quanti-tray SOP 2090	1413.6	MPN/100ml
Iron	ICP-MS	80	ug/l
Manganese	ICPMS	21	ug/l
Ammonia	Konelab Aquakem SOP 2057	0.04	mg/l NH3
Nitrate	Konelab Aquakem SOP 2060	31.68	mg/l NO3
Oils, Fats and Grease*	Solvent Extraction	1.6	mg/l
Total Coliforms*	Quanti-tray SOP 2090	>2419.6	MPN/100ml

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Signed: Wendy McCall  
**Wendy McCall - Laboratory Manager**

Date: 20/04/2017

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# Test Report

**Lab Report Number:** 3083J07      **Analysis Number:** 99A/103889

<b>Customer ID:</b>	CONN.W1	<b>Analysis Type:</b>	Misc. Tests (99A)
<b>Contact Name:</b>	MARK DOWLING	<b>Delivery By:</b>	Customer
<b>Company Name:</b>	CONNOLLY WILLIAM + SONS	<b>Sample Card Number:</b>	120417P/7
<b>Address:</b>	RED MILLS GORESBRIDGE CO. KILKENNY.	<b>Sample Condition:</b>	Acceptable
<b>Sample Type:</b>	Effluent	<b>Date Sample Received:</b>	12/04/2017
<b>Sample Reference:</b>	EFFLUENT	<b>Date Analysis Commenced:</b>	12/04/2017
<b>Sample Description:</b>	FISH TANK DISCHARGE PIPE 12/4	<b>Date Certificate Issued:</b>	20/04/2017

Parameter	Method	Result	Unit
Biochemical Oxygen Demand	Oxygen Meter SOP 2006	1	mg/l
Chloride	Konelab Aquakem SOP 2065	21.15	mg/l
Chemical Oxygen Demand	Microdigestion and Colourimetry SOP 2005	13	mg/l
Conductivity	Electrometry SOP 2076	581	µS/cm 20°C
Copper	ICP-MS	<20	ug/l
E. Coli*	Quanti-tray SOP 2090	579.4	MPN/100ml
Iron	ICP-MS	70	ug/l
Manganese	ICPMS	<20	ug/l
Ammonia	Konelab Aquakem SOP 2057	0.01	mg/l NH3
Nitrate	Konelab Aquakem SOP 2060	22.57	mg/l NO3
Oils, Fats and Grease*	Solvent Extraction	1.3	mg/l
Total Coliforms*	Quanti-tray SOP 2090	1553.1	MPN/100ml

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Signed: Wendy McCall  
**Wendy McCall - Laboratory Manager**

Date: 20/04/2017

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