



ALS Life Sciences Ltd
Trading as ALS
Carrigeen Business Park, Clonmel, Co. Tipperary
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Report No: HYDR-446180918

Document No: EF0011

SUPPLEMENTARY CERTIFICATE OF ANALYSIS

Client Hydro Environmental Services
22 Lower Main Street
Dungarvan
Co. Waterford

Date Received 18/09/2018

Date Reported 27/09/2018

Order Number P1453

For the Attention of: Hydro Environmental Services

Sample Reception 5 sample(s) received in good condition.

Comments N/A

Report Authorised by:

Rosemary Thomas
Environmental Chemistry Manager

Conditions:

1. Results in this report relate only to the items tested
2. Reports may not be reproduced except in full without the approval of ALS Life Sciences Ltd
3. All queries regarding this report should be addressed to the Technical Manager at the above address
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6. CFU indicates Colony Forming Units, MPN indicates Most Probable Number
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10. This supplementary certificate replaces the previous certificate which must be destroyed



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Report No: HYDR-446180918

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SUPPLEMENTARY CERTIFICATE OF ANALYSIS

Date Received 18/09/2018
Date Reported 27/09/2018
Order Number P1453

Sample Type Water
Client ID Lyrena SW1
Date Tested 19/09/2018
ALS ID 3232780

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	<5	mg / l	P202
Suspended Solids	<1	mg / l	P202*
Phosphorus	<0.10	mg/l P	P207
BOD 5 day Total with ATU	2	mg/l O2	P280
Orthophosphate	0.02	mg/l P	P281
Chloride	19.6	mg/l CL	P281
Nitrate	14.5	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Ammonia	0.03	mg/l NH3-N	P281
Nitrogen (Total)	3.9	mg/L N	P285

Sample Type Water
Client ID Lyrena SW2
Date Tested 19/09/2018
ALS ID 3232781

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	<5	mg / l	P202
Suspended Solids	2.6	mg / l	P202*
Phosphorus	<0.10	mg/l P	P207
BOD 5 day Total with ATU	2	mg/l O2	P280
Orthophosphate	0.03	mg/l P	P281
Chloride	19.6	mg/l CL	P281
Nitrate	8.5	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Ammonia	0.03	mg/l NH3-N	P281
Nitrogen (Total)	2.6	mg/L N	P285

Report Authorised by:

Rosemary Thomas



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SUPPLEMENTARY CERTIFICATE OF ANALYSIS

Date Received 18/09/2018
Date Reported 27/09/2018
Order Number P1453

Sample Type Water
Client ID Lyrena SW3
Date Tested 19/09/2018
ALS ID 3232782

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	<5	mg / l	P202
Suspended Solids	<1	mg / l	P202*
Phosphorus	<0.10	mg/l P	P207
BOD 5 day Total with ATU	2	mg/l O2	P280
Orthophosphate	<0.02	mg/l P	P281
Chloride	20.6	mg/l CL	P281
Nitrate	5.0	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Ammonia	0.04	mg/l NH3-N	P281
Nitrogen (Total)	3.4	mg/L N	P285

Sample Type Water
Client ID Lyrena SW4
Date Tested 19/09/2018
ALS ID 3232783

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	<5	mg / l	P202
Suspended Solids	<1	mg / l	P202*
Phosphorus	<0.10	mg/l P	P207
BOD 5 day Total with ATU	2	mg/l O2	P280
Orthophosphate	0.04	mg/l P	P281
Chloride	20.6	mg/l CL	P281
Nitrate	8.2	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Ammonia	0.02	mg/l NH3-N	P281
Nitrogen (Total)	6.9	mg/L N	P285

Report Authorised by:

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SUPPLEMENTARY CERTIFICATE OF ANALYSIS

Date Received 18/09/2018
Date Reported 27/09/2018
Order Number P1453

Sample Type Water
Client ID Lyrena SW5
Date Tested 19/09/2018
ALS ID 3232784

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	<5	mg / l	P202
Suspended Solids	<1	mg / l	P202*
Phosphorus	<0.10	mg/l P	P207
BOD 5 day Total with ATU	2	mg/l O2	P280
Orthophosphate	0.03	mg/l P	P281
Chloride	20.1	mg/l CL	P281
Nitrate	11.8	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Ammonia	0.03	mg/l NH3-N	P281
Nitrogen (Total)	5.6	mg/L N	P285

Report Authorised by:

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Report No: HYDR-626171018

Document No: EF0011

CERTIFICATE OF ANALYSIS

Client Hydro Environmental Services
22 Lower Main Street
Dungarvan
Co. Waterford

Date Received 17/10/2018

Date Reported 25/10/2018

Order Number P1453

For the Attention of: Hydro Environmental Services

Sample Reception 5 sample(s) received in good condition.

Comments N/A

Report Authorised by:

Rosemary Thomas
Environmental Chemistry Manager

Conditions:

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Report No: HYDR-626171018

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CERTIFICATE OF ANALYSIS

Date Received 17/10/2018
Date Reported 25/10/2018
Order Number P1453

Sample Type Surface Water
Client ID 17/10/2018 Lyrena SW1
Date Tested 17/10/2018
ALS ID 3268987

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	<5	mg / l	P202
Phosphorus	<0.10	mg/l P	P207
BOD 5 day Total with ATU	<2	mg/l O2	P280
Ammonia	0.03	mg/l NH3-N	P281
Orthophosphate	<0.02	mg/l P	P281
Nitrate	9.2	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Chloride	19.6	mg/l CL	P281
Nitrogen (Total)	1.8	mg/L N	P285

Sample Type Surface Water
Client ID 17/10/2018 Lyrena SW2
Date Tested 17/10/2018
ALS ID 3268988

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	<5	mg / l	P202
Phosphorus	0.19	mg/l P	P207
BOD 5 day Total with ATU	<2	mg/l O2	P280
Orthophosphate	<0.02	mg/l P	P281
Chloride	21.5	mg/l CL	P281
Nitrate	10.2	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Ammonia	0.02	mg/l NH3-N	P281
Nitrogen (Total)	2.8	mg/L N	P285

Report Authorised by:

Rosemary Thomas



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CERTIFICATE OF ANALYSIS

Date Received 17/10/2018
Date Reported 25/10/2018
Order Number P1453

Sample Type Surface Water
Client ID 17/10/2018 Lyrena SW3
Date Tested 17/10/2018
ALS ID 3268989

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	44	mg / l	P202
Phosphorus	0.15	mg/l P	P207
BOD 5 day Total with ATU	<2	mg/l O2	P280
Orthophosphate	<0.02	mg/l P	P281
Chloride	21.6	mg/l CL	P281
Nitrate	<5.0	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Ammonia	0.04	mg/l NH3-N	P281
Nitrogen (Total)	2.4	mg/L N	P285

Sample Type Surface Water
Client ID 17/10/2018 Lyrena SW4
Date Tested 17/10/2018
ALS ID 3268990

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	16	mg / l	P202
Phosphorus	0.13	mg/l P	P207
BOD 5 day Total with ATU	<2	mg/l O2	P280
Orthophosphate	<0.02	mg/l P	P281
Chloride	19.9	mg/l CL	P281
Nitrate	10.0	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Ammonia	<0.02	mg/l NH3-N	P281
Nitrogen (Total)	4.4	mg/L N	P285

Report Authorised by:

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CERTIFICATE OF ANALYSIS

Date Received 17/10/2018
Date Reported 25/10/2018
Order Number P1453

Sample Type Surface Water
Client ID 17/10/2018 Lyrena SW5
Date Tested 17/10/2018
ALS ID 3268991

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	<5	mg / l	P202
Phosphorus	<0.10	mg/l P	P207
BOD 5 day Total with ATU	<2	mg/l O2	P280
Orthophosphate	<0.02	mg/l P	P281
Chloride	18.8	mg/l CL	P281
Nitrate	13.0	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Ammonia	<0.02	mg/l NH3-N	P281
Nitrogen (Total)	3.4	mg/L N	P285

Report Authorised by:

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Report No: HYDR-212071118

Document No: EF0011

SUPPLEMENTARY CERTIFICATE OF ANALYSIS

Client Hydro Environmental Services
22 Lower Main Street
Dungarvan
Co. Waterford

Date Received 07/11/2018

Date Reported 23/11/2018

Order Number P1453

For the Attention of: Hydro Environmental Services

Sample Reception 6 sample(s) received in good condition.

Comments N/A

Report Authorised by:

Rosemary Thomas
Environmental Chemistry Manager

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Report No: HYDR-212071118

Document No: EF0011

SUPPLEMENTARY CERTIFICATE OF ANALYSIS

Date Received 07/11/2018
Date Reported 23/11/2018
Order Number P1453

Sample Type Effluent
Client ID P1 453 - SW1
Date Tested 07/11/2018
ALS ID 3292737

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	42	mg / l	P202
Phosphorus	0.20	mg/l P	P207
BOD 5 day Total with ATU	3	mg/l O2	P280
Orthophosphate	<0.02	mg/l P	P281
Chloride	20.8	mg/l CL	P281
Nitrate	12.9	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Ammonia	0.05	mg/l NH3-N	P281
Nitrogen (Total)	3.5	mg/L N	P285

Sample Type Effluent
Client ID P1 453 - SW2
Date Tested 07/11/2018
ALS ID 3292738

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	27	mg / l	P202
Phosphorus	0.14	mg/l P	P207
BOD 5 day Total with ATU	2	mg/l O2	P280
Orthophosphate	<0.02	mg/l P	P281
Chloride	23.9	mg/l CL	P281
Nitrate	6.0	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Ammonia	0.04	mg/l NH3-N	P281
Nitrogen (Total)	2.7	mg/L N	P285

Report Authorised by:

Rosemary Thomas



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SUPPLEMENTARY CERTIFICATE OF ANALYSIS

Date Received 07/11/2018
Date Reported 23/11/2018
Order Number P1453

Sample Type Effluent
Client ID P1 453 - SW3
Date Tested 07/11/2018
ALS ID 3292739

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	19	mg / l	P202
Phosphorus	0.11	mg/l P	P207
BOD 5 day Total with ATU	2	mg/l O2	P280
Orthophosphate	<0.02	mg/l P	P281
Chloride	22.4	mg/l CL	P281
Nitrate	<5.0	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Ammonia	0.03	mg/l NH3-N	P281
Nitrogen (Total)	3.7	mg/L N	P285

Sample Type Effluent
Client ID P1 453 - SW4
Date Tested 07/11/2018
ALS ID 3292740

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	20	mg / l	P202
Phosphorus	0.17	mg/l P	P207
BOD 5 day Total with ATU	3	mg/l O2	P280
Orthophosphate	0.03	mg/l P	P281
Chloride	25.6	mg/l CL	P281
Nitrate	9.5	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Ammonia	0.05	mg/l NH3-N	P281
Nitrogen (Total)	5.5	mg/L N	P285

Report Authorised by:

Rosemary Thomas



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SUPPLEMENTARY CERTIFICATE OF ANALYSIS

Date Received 07/11/2018
Date Reported 23/11/2018
Order Number P1453

Sample Type Effluent
Client ID P1 453 - SW5
Date Tested 07/11/2018
ALS ID 3292741

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	12	mg / l	P202
Phosphorus	0.18	mg/l P	P207
BOD 5 day Total with ATU	2	mg/l O2	P280
Orthophosphate	0.04	mg/l P	P281
Chloride	23.2	mg/l CL	P281
Nitrate	17.7	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Ammonia	0.07	mg/l NH3-N	P281
Nitrogen (Total)	6.4	mg/L N	P285

Sample Type Effluent
Client ID P1 453 - SW6
Date Tested 07/11/2018
ALS ID 3292742

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	17	mg / l	P202
Phosphorus	0.17	mg/l P	P207
BOD 5 day Total with ATU	3	mg/l O2	P280
Orthophosphate	<0.02	mg/l P	P281
Chloride	22.2	mg/l CL	P281
Nitrate	6.3	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Ammonia	0.03	mg/l NH3-N	P281
Nitrogen (Total)	3.7	mg/L N	P285

Report Authorised by:

Rosemary Thomas



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Report No: HYDR-083090119

Document No: EF0011

CERTIFICATE OF ANALYSIS

Client Hydro Environmental Services
22 Lower Main Street
Dungarvan
Co. Waterford

Date Received 09/01/2019

Date Reported 15/01/2019

Order Number P1453

For the Attention of: Hydro Environmental Services

Sample Reception 2 sample(s) received in good condition.

Comments N/A

Report Authorised by:

Rosemary Thomas
Environmental Chemistry Manager

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Report No: HYDR-083090119

Document No: EF0011

CERTIFICATE OF ANALYSIS

Date Received 09/01/2019
Date Reported 15/01/2019
Order Number P1453

Sample Type Water
Client ID 8/1/19 glendine gravitx intake
Date Tested 10/01/2019
ALS ID 3358280

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	<5	mg / l	P202
Phosphorus	<0.10	mg/l P	P207
Turbidity	1.69	NTU	P239
BOD 5 day Total	2	mg/l O2	P280
Ammonia	0.04	mg/l NH3-N	P281
Chloride	19.7	mg/l CL	P281
Nitrate	12.6	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Orthophosphate	<0.02	mg/l P	P281
Nitrogen (Total)	3.1	mg/L N	P285

Sample Type Water
Client ID 8/1/19 tourig pumped intake
Date Tested 10/01/2019
ALS ID 3358281

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	<5	mg / l	P202
Phosphorus	<0.10	mg/l P	P207
Turbidity	2.20	NTU	P239
BOD 5 day Total	<2	mg/l O2	P280
Ammonia	0.03	mg/l NH3-N	P281
Chloride	21.3	mg/l CL	P281
Nitrate	31.7	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Orthophosphate	0.02	mg/l P	P281
Nitrogen (Total)	11.5	mg/L N	P285

Report Authorised by:

Rosemary Thomas



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Report No: HYDR-497240119

Document No: EF0011

CERTIFICATE OF ANALYSIS

Client Hydro Environmental Services
22 Lower Main Street
Dungarvan
Co. Waterford

Date Received 24/01/2019

Date Reported 06/02/2019

Order Number P1453

For the Attention of: Hydro Environmental Services

Sample Reception 1 sample(s) received in good condition.

Comments N/A

Report Authorised by:

Rosemary Thomas
Environmental Chemistry Manager

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Report No: HYDR-497240119

Document No: EF0011

CERTIFICATE OF ANALYSIS

Date Received 24/01/2019
Date Reported 06/02/2019
Order Number P1453

Sample Type Water
Client ID P1453 - Glendine gravity intake
Date Tested 24/01/2019
ALS ID 3377702

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	<5	mg / l	P202
Phosphorus	<0.10	mg/l P	P207
Turbidity	1.41	NTU	P239
BOD 5 day Total	<2	mg/l O2	P280
Ammonia	0.03	mg/l NH3-N	P281
Chloride	19.7	mg/l CL	P281
Orthophosphate	<0.02	mg/l P	P281
Nitrate	11.0	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Nitrogen (Total)	5.7	mg/L N	P285

Report Authorised by:

Rosemary Thomas



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CERTIFICATE OF ANALYSIS

Client Hydro Environmental Services
22 Lower Main Street
Dungarvan
Co. Waterford

Date Received 24/01/2019

Date Reported 05/02/2019

Order Number P1453

For the Attention of: Hydro Environmental Services

Sample Reception 1 sample(s) received in good condition.

Comments N/A

Report Authorised by:

Rosemary Thomas
Environmental Chemistry Manager

Conditions:

1. Results in this report relate only to the items tested
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3. All queries regarding this report should be addressed to the Technical Manager at the above address
4. A * next to a method reference signifies that ALS Life Sciences Ltd is NOT INAB accredited for this method
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6. CFU indicates Colony Forming Units, MPN indicates Most Probable Number
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8. SUBCON^ indicates analysis subcontracted to approved subcontractors who hold accreditation for this test
9. Where sampling is undertaken by ALS personnel, sampling activities are outside the scope of INAB accreditation



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Report No: HYDR-499240119

Document No: EF0011

CERTIFICATE OF ANALYSIS

Date Received 24/01/2019
Date Reported 05/02/2019
Order Number P1453

Sample Type Water
Client ID P1453- Touri pumped intake
Date Tested 24/01/2019
ALS ID 3377703

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	<5	mg / l	P202
Phosphorus	<0.10	mg/l P	P207
Turbidity	1.66	NTU	P239
BOD 5 day Total	<2	mg/l O2	P280
Ammonia	0.17	mg/l NH3-N	P281
Nitrate	29.0	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Orthophosphate	0.03	mg/l P	P281
Chloride	24.8	mg/l CL	P281
Nitrogen (Total)	8.2	mg/L N	P285

Report Authorised by:

Rosemary Thomas



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Report No: HYDR-570300119

Document No: EF0011

CERTIFICATE OF ANALYSIS

Client Hydro Environmental Services
22 Lower Main Street
Dungarvan
Co. Waterford

Date Received 30/01/2019

Date Reported 06/02/2019

Order Number P1453

For the Attention of: Hydro Environmental Services

Sample Reception 4 sample(s) received in good condition.

Comments N/A

Report Authorised by:

Rosemary Thomas
Environmental Chemistry Manager

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Report No: HYDR-570300119

Document No: EF0011

CERTIFICATE OF ANALYSIS

Date Received 30/01/2019
Date Reported 06/02/2019
Order Number P1453

Sample Type Effluent
Client ID P1453 SW2 30.01.2019
Date Tested 31/01/2019
ALS ID 3384621

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	<5	mg / l	P202
Phosphorus	<0.10	mg/l P	P207
Turbidity	3.21	NTU	P239
BOD 5 day Total	2	mg/l O2	P280
Ammonia	0.06	mg/l NH3-N	P281
Chloride	20.3	mg/l CL	P281
Nitrate	<5.0	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Orthophosphate	<0.02	mg/l P	P281
Nitrogen (Total)	<1.0	mg/L N	P285

Sample Type Effluent
Client ID P1453 SW5 30.01.2019
Date Tested 31/01/2019
ALS ID 3384622

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	<5	mg / l	P202
Phosphorus	0.10	mg/l P	P207
Turbidity	1.81	NTU	P239
BOD 5 day Total	2	mg/l O2	P280
Ammonia	0.03	mg/l NH3-N	P281
Chloride	18.1	mg/l CL	P281
Nitrate	14.4	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Orthophosphate	<0.02	mg/l P	P281
Nitrogen (Total)	3.9	mg/L N	P285

Report Authorised by:

Rosemary Thomas



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Report No: HYDR-570300119

Document No: EF0011

CERTIFICATE OF ANALYSIS

Date Received 30/01/2019
Date Reported 06/02/2019
Order Number P1453

Sample Type Effluent
Client ID P1453 Glendine 30.01.2019
Date Tested 31/01/2019
ALS ID 3384623

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	<5	mg / l	P202
Phosphorus	<0.10	mg/l P	P207
Turbidity	1.80	NTU	P239
BOD 5 day Total	3	mg/l O2	P280
Ammonia	0.03	mg/l NH3-N	P281
Chloride	19.2	mg/l CL	P281
Nitrate	8.5	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Orthophosphate	<0.02	mg/l P	P281
Nitrogen (Total)	2.0	mg/L N	P285

Sample Type Effluent
Client ID P1453 Tourig 30.01.2019
Date Tested 31/01/2019
ALS ID 3384624

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	<5	mg / l	P202
Phosphorus	0.11	mg/l P	P207
Turbidity	1.12	NTU	P239
BOD 5 day Total	2	mg/l O2	P280
Ammonia	0.02	mg/l NH3-N	P281
Chloride	21.1	mg/l CL	P281
Nitrate	18.7	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Orthophosphate	0.02	mg/l P	P281
Nitrogen (Total)	4.5	mg/L N	P285

Report Authorised by:

Rosemary Thomas



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Report No: HYDR-772040620

Document No: EF0011

CERTIFICATE OF ANALYSIS

Client Hydro Environmental Services
22 Lower Main Street
Dungarvan
Co. Waterford

Date Received 04/06/2020

Date Reported 12/06/2020

Order Number N/A

For the Attention of: Hydro Environmental Services

Sample Reception 7 sample(s) received in good condition.

Comments N/A

Report Authorised by:

Rosemary Thomas
Environmental Chemistry Manager

Conditions:

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9. Dil next to a method reference indicates that a dilution of the water sample was undertaken during testing



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Report No: HYDR-772040620

Document No: EF0011

CERTIFICATE OF ANALYSIS

Date Received 04/06/2020

Date Reported 12/06/2020

Order Number N/A

Sample Type Water
Client ID P1453 - Glendine intake
Date Tested 05/06/2020
ALS ID 4020464

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	<5	mg / l	P202
Phosphorus	<0.10	mg/l P	P207
Turbidity	0.72	NTU	P239
BOD 5 day Total	<1	mg/l O2	P280
Ammonia	0.02	mg/l NH3-N	P281
Chloride	18.7	mg/l CL	P281
Nitrate	12.5	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Orthophosphate	0.01	mg/l P	P281
Nitrogen (Total)	3.1	mg/L N	P285

Sample Type Water
Client ID P1453 - Tourig intake
Date Tested 05/06/2020
ALS ID 4020465

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	7	mg / l	P202
Phosphorus	<0.10	mg/l P	P207
Turbidity	4.32	NTU	P239
BOD 5 day Total	<1	mg/l O2	P280
Ammonia	<0.02	mg/l NH3-N	P281
Chloride	20.5	mg/l CL	P281
Nitrate	19.5	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Orthophosphate	0.01	mg/l P	P281
Nitrogen (Total)	4.5	mg/L N	P285

Report Authorised by:

Rosemary Thomas

Rosemary Thomas
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Report No: HYDR-772040620

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CERTIFICATE OF ANALYSIS

Date Received 04/06/2020
Date Reported 12/06/2020
Order Number N/A

Sample Type Water
Client ID P1453 - SW1
Date Tested 05/06/2020
ALS ID 4020466

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	<5	mg / l	P202
Phosphorus	<0.10	mg/l P	P207
Turbidity	0.58	NTU	P239
BOD 5 day Total	<1	mg/l O2	P280
Ammonia	<0.02	mg/l NH3-N	P281
Chloride	18.1	mg/l CL	P281
Nitrate	12.0	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Orthophosphate	0.01	mg/l P	P281
Nitrogen (Total)	3.1	mg/L N	P285

Sample Type Water
Client ID P1453 - SW2
Date Tested 05/06/2020
ALS ID 4020467

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	<5	mg / l	P202
Phosphorus	<0.10	mg/l P	P207
Turbidity	1.83	NTU	P239
BOD 5 day Total	<1	mg/l O2	P280
Ammonia	0.07	mg/l NH3-N	P281
Chloride	19.1	mg/l CL	P281
Nitrate	5.1	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Orthophosphate	0.02	mg/l P	P281*
Nitrogen (Total)	1.9	mg/L N	P285

Report Authorised by:

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CERTIFICATE OF ANALYSIS

Date Received 04/06/2020
Date Reported 12/06/2020
Order Number N/A

Sample Type Water
Client ID P1453 - SW3
Date Tested 05/06/2020
ALS ID 4020468

Test	Result	Unit	Method
Suspended Solids	<5	mg / l	P202
Phosphorus	<0.10	mg/l P	P207
Turbidity	1.36	NTU	P239
BOD 5 day Total	<1	mg/l O2	P280
Ammonia	0.03	mg/l NH3-N	P281
Chloride	19.7	mg/l CL	P281
Nitrate	6.9	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Orthophosphate	0.01	mg/l P	P281
Nitrogen (Total)	1.1	mg/L N	P285

Sample Type Water
Client ID P1453 - SW5
Date Tested 05/06/2020
ALS ID 4020470

Test	Result	Unit	Method
Suspended Solids	<5	mg / l	P202
Phosphorus	<0.10	mg/l P	P207
Turbidity	1.82	NTU	P239
BOD 5 day Total	2	mg/l O2	P280
Ammonia	0.03	mg/l NH3-N	P281
Chloride	17.5	mg/l CL	P281
Nitrate	13.9	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Orthophosphate	0.02	mg/l P	P281
Nitrogen (Total)	3.3	mg/L N	P285

Report Authorised by:

Rosemary Thomas

Rosemary Thomas
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CERTIFICATE OF ANALYSIS

Date Received 04/06/2020
Date Reported 12/06/2020
Order Number N/A

Sample Type Water
Client ID P1453 - SW6
Date Tested 05/06/2020
ALS ID 4020471

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	9	mg / l	P202
Phosphorus	<0.10	mg/l P	P207
Turbidity	1.96	NTU	P239
BOD 5 day Total	2	mg/l O2	P280
Ammonia	<0.02	mg/l NH3-N	P281
Chloride	17.1	mg/l CL	P281
Nitrate	13.4	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Orthophosphate	0.02	mg/l P	P281
Nitrogen (Total)	4.6	mg/L N	P285

Report Authorised by:

Rosemary Thomas