



Cush Wind Farm

Environmental Impact Assessment Report

Annex 7.2: Laboratory Reports

Cush Wind Limited

Galetech Energy Services
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Report No: HYDR-609260123

Document No: EF0011

SUPPLEMENTARY CERTIFICATE OF ANALYSIS

Client	Hydro Environmental Services 22 Lower Main Street Dungarvan Co. Waterford	Date Submitted	26/01/2023
		Date Reported	10/02/2023
		Order Number	N/A

For the Attention of: Hydro Environmental Services

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

Comments Supplementary certificate to amend sample description.

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
4. A * next to a method reference signifies that ALS Life Sciences Ltd is NOT INAB accredited for this method
5. Results reported as CFU/cm² are calculated based on information supplied by customer regarding area swabbed
6. SUBCON* indicates analysis subcontracted to approved subcontractors who do not hold accreditation for this test
7. SUBCON^ indicates analysis subcontracted to approved subcontractors who hold accreditation for this test
8. Where sampling is undertaken by ALS personnel, sampling activities are outside the scope of INAB accreditation
9. Dil next to a method reference indicates that a dilution of the water sample was undertaken during testing
10. Statement of conformity made against the result does not take into account the uncertainty of measurement associated with the method
11. This supplementary certificate replaces the previous certificate which must be destroyed



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SUPPLEMENTARY CERTIFICATE OF ANALYSIS

Date Submitted 26/01/2023
Date Reported 10/02/2023
Order Number N/A

Sample Type Surface Water
Client ID 25/1/23 cush SW1
Date Tested 27/01/2023
ALS ID 5398118

<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	<1	mg/l O2	P280
Ammonia	0.04	mg/l NH3-N	P281
Chloride	23.3	mg/l Cl	P281
Nitrate	26.8	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Orthophosphate	<0.02	mg/l P	P281
Total Oxidised Nitrogen	6.07	mg/L N	P281
Nitrogen (Total)	5.6	mg/L N	P285

Sample Type Surface Water
Client ID 25/1/23 cush SW2
Date Tested 27/01/2023
ALS ID 5398119

<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	1	mg/l O2	P280
Ammonia	0.21	mg/l NH3-N	P281
Chloride	23.5	mg/l Cl	P281
Nitrate	18.2	mg/l NO3	P281
Nitrite	0.07	mg/l NO2	P281
Orthophosphate	<0.02	mg/l P	P281
Total Oxidised Nitrogen	4.12	mg/L N	P281
Nitrogen (Total)	4.7	mg/L N	P285

Report Authorised by:

Rosemary Thomas



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SUPPLEMENTARY CERTIFICATE OF ANALYSIS

Date Submitted 26/01/2023
Date Reported 10/02/2023
Order Number N/A

Sample Type Surface Water
Client ID 25/1/23 cush SW3
Date Tested 27/01/2023
ALS ID 5398120

<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	<1	mg/l O2	P280
Ammonia	0.06	mg/l NH3-N	P281
Chloride	23.2	mg/l Cl	P281
Nitrate	23.3	mg/l NO3	P281
Nitrite	0.06	mg/l NO2	P281
Orthophosphate	<0.02	mg/l P	P281
Total Oxidised Nitrogen	5.28	mg/L N	P281
Nitrogen (Total)	5.2	mg/L N	P285

Sample Type Surface Water
Client ID 25/1/23 cush SW4
Date Tested 27/01/2023
ALS ID 5398121

<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	<1	mg/l O2	P280
Ammonia	<0.02	mg/l NH3-N	P281
Chloride	20.6	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
Total Oxidised Nitrogen	0.50	mg/L N	P281
Nitrogen (Total)	<1.0	mg/L N	P285

Report Authorised by:

Rosemary Thomas



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Report No: HYDR-544270323

Document No: EF0011

CERTIFICATE OF ANALYSIS

Client	Hydro Environmental Services 22 Lower Main Street Dungarvan Co. Waterford	Date Submitted	27/03/2023
		Date Reported	13/04/2023
		Order Number	N/A
For the Attention of:	Hydro Environmental Services		
Sample Reception	4 sample(s) received in good condition.		
Comments	p1537-2		

Report Authorised by:

Rosemary Thomas
Environmental Chemistry Manager

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10. Statement of conformity made against the result does not take into account the uncertainty of measurement associated with the method



Report No: HYDR-544270323

Document No: EF0011

CERTIFICATE OF ANALYSIS

Date Submitted 27/03/2023
Date Reported 13/04/2023
Order Number N/A

Sample Type Water
Client ID Cush SW1 27/03/2023 1PM
Date Tested 27/03/2023
ALS ID 5488829

<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	2	mg/l O2	P280
Ammonia	0.04	mg/l NH3-N	P281
Chloride	23.6	mg/l Cl	P281
Nitrate	27.1	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Orthophosphate	<0.02	mg/l P	P281
Total Oxidised Nitrogen	6.13	mg/L N	P281
Nitrogen (Total)	6.2	mg/L N	P285

Sample Type Water
Client ID Cush SW2 27/03/2023 1PM
Date Tested 27/03/2023
ALS ID 5488830

<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	2	mg/l O2	P280
Ammonia	0.14	mg/l NH3-N	P281
Chloride	22.2	mg/l Cl	P281
Nitrate	16.3	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Orthophosphate	<0.02	mg/l P	P281
Total Oxidised Nitrogen	3.69	mg/L N	P281
Nitrogen (Total)	4.2	mg/L N	P285

Report Authorised by:

Rosemary Thomas



Report No: HYDR-544270323

Document No: EF0011

CERTIFICATE OF ANALYSIS

Date Submitted 27/03/2023
Date Reported 13/04/2023
Order Number N/A

Sample Type Water
Client ID Cush SW3 27/03/2023 1PM
Date Tested 27/03/2023
ALS ID 5488831

<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	2	mg/l O2	P280
Ammonia	0.05	mg/l NH3-N	P281
Chloride	22.5	mg/l Cl	P281
Nitrate	20.6	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Orthophosphate	<0.02	mg/l P	P281
Total Oxidised Nitrogen	4.66	mg/L N	P281
Nitrogen (Total)	4.8	mg/L N	P285

Sample Type Water
Client ID Cush SW4 27/03/2023 1PM
Date Tested 27/03/2023
ALS ID 5488832

<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	<2	mg/l O2	P280
Ammonia	0.03	mg/l NH3-N	P281
Chloride	23.3	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
Total Oxidised Nitrogen	0.42	mg/L N	P281
Nitrogen (Total)	<1.0	mg/L N	P285

Report Authorised by:

Rosemary Thomas

