



White Hill Wind Farm

Environmental Impact Assessment Report

Annex 7.1: Water Sampling Results

White Hill Wind Limited

Galetech Energy Services
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Report No: HYDR-281081021

Document No: EF0011

CERTIFICATE OF ANALYSIS

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

Date Received 08/10/2021

Date Reported 15/10/2021

Order Number N/A

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

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. 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



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CERTIFICATE OF ANALYSIS

Date Received 08/10/2021
Date Reported 15/10/2021
Order Number N/A

Sample Type Surface Water
Client ID SW1 Whitehill SW1 07.10.2021
Date Tested 08/10/2021
ALS ID 4704508

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	<5	mg / l	P202
Phosphorus	<0.1	mg/l P	P207
BOD 5 day Total with ATU	<2	mg/l O2	P280
Orthophosphate	<0.02	mg/l P	P281
Chloride	12.9	mg/l Cl	P281
Nitrate	10.8	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Ammonia	<0.02	mg/l NH3-N	P281
Nitrogen (Total)	2.5	mg/L N	P285

Sample Type Surface Water
Client ID SW2 Whitehill SW1 07.10.2021
Date Tested 08/10/2021
ALS ID 4704509

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	<5	mg / l	P202
Phosphorus	<0.1	mg/l P	P207
BOD 5 day Total with ATU	<2	mg/l O2	P280
Orthophosphate	<0.02	mg/l P	P281
Chloride	11.3	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)	1.1	mg/L N	P285

Report Authorised by:

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Date Received 08/10/2021
Date Reported 15/10/2021
Order Number N/A

Sample Type Surface Water
Client ID SW3 Whitehill SW1 07.10.2021
Date Tested 08/10/2021
ALS ID 4704510

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	<5	mg / l	P202
Phosphorus	0.1	mg/l P	P207
BOD 5 day Total with ATU	<2	mg/l O2	P280
Orthophosphate	<0.02	mg/l P	P281
Chloride	11.5	mg/l Cl	P281
Nitrate	5.7	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Ammonia	<0.02	mg/l NH3-N	P281
Nitrogen (Total)	1.5	mg/L N	P285

Sample Type Surface Water
Client ID SW4 Whitehill SW1 07.10.2021
Date Tested 08/10/2021
ALS ID 4704511

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	<5	mg / l	P202
Phosphorus	<0.1	mg/l P	P207
BOD 5 day Total with ATU	<2	mg/l O2	P280
Orthophosphate	<0.02	mg/l P	P281
Chloride	11.9	mg/l Cl	P281
Nitrate	<5.0	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Ammonia	<0.02	mg/l NH3-N	P281
Nitrogen (Total)	1.3	mg/L N	P285

Report Authorised by:

Rosemary Thomas



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Report No: HYDR-666270522

Document No: EF0011

CERTIFICATE OF ANALYSIS

Client	Hydro Environmental Services 22 Lower Main Street Dungarvan Co. Waterford	Date Submitted	27/05/2022
		Date Reported	09/06/2022
		Order Number	P1547
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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10. Statement of conformity made against the result does not take into account the uncertainty of measurement associated with the method



Report No: HYDR-666270522

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CERTIFICATE OF ANALYSIS

Date Submitted 27/05/2022
Date Reported 09/06/2022
Order Number P1547

Sample Type Water
Client ID White Hill SW1
Date Tested 27/05/2022
ALS ID 5042260

<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
pH	7.5	pH units	P233
BOD 5 day Total	1	mg/l O2	P280
Orthophosphate	<0.02	mg/l P	P281
Ammonia	0.05	mg/l NH3-N	P281
Nitrite	<0.01	mg/l NO2N	P281
Nitrate	<1.0	mg/l NO3N	P281
Total Oxidised Nitrogen	0.49	mg/l TON	P281
Conductivity @ 20°C	113	µs/cm	P284
Nitrogen (Total)	<1.0	mg/L N	P285

Sample Type Water
Client ID White Hill SW2
Date Tested 27/05/2022
ALS ID 5042261

<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
pH	7.2	pH units	P233
BOD 5 day Total	<1	mg/l O2	P280
Orthophosphate	<0.02	mg/l P	P281
Ammonia	0.03	mg/l NH3-N	P281
Nitrite	<0.01	mg/l NO2N	P281
Nitrate	<1.0	mg/l NO3N	P281
Total Oxidised Nitrogen	<0.25	mg/l TON	P281
Conductivity @ 20°C	101	µs/cm	P284
Nitrogen (Total)	<1.0	mg/L N	P285

Report Authorised by:

Rosemary Thomas



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CERTIFICATE OF ANALYSIS

Date Submitted 27/05/2022
Date Reported 09/06/2022
Order Number P1547

Sample Type Water
Client ID White Hill SW3
Date Tested 27/05/2022
ALS ID 5042262

<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
pH	7.1	pH units	P233
BOD 5 day Total	1	mg/l O2	P280
Orthophosphate	0.02	mg/l P	P281
Ammonia	0.02	mg/l NH3-N	P281
Nitrite	<0.01	mg/l NO2N	P281
Nitrate	<1.0	mg/l NO3N	P281
Total Oxidised Nitrogen	<0.25	mg/l TON	P281
Conductivity @ 20°C	95	µs/cm	P284
Nitrogen (Total)	<1.0	mg/L N	P285

Sample Type Water
Client ID White Hill SW4
Date Tested 27/05/2022
ALS ID 5042263

<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
pH	7.2	pH units	P233
BOD 5 day Total	1	mg/l O2	P280
Orthophosphate	0.02	mg/l P	P281
Ammonia	0.02	mg/l NH3-N	P281
Nitrite	<0.01	mg/l NO2N	P281
Nitrate	<1.0	mg/l NO3N	P281
Total Oxidised Nitrogen	<0.25	mg/l TON	P281
Conductivity @ 20°C	95	µs/cm	P284
Nitrogen (Total)	<1.0	mg/L N	P285

Report Authorised by:

Rosemary Thomas

