

Seskin Wind Farm Co. Carlow - EIAR EIAR Appendices - F - 2024.05.03 - 220246

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APPENDIX 9-3

ORIGINAL LABORATORY REPORTS



ALS Life Sciences Ltd trading as ALS Carrigeen Business Park, Clonmel, Co. Tipperary Telephone: +353 (0) 52 617 8100



CERTIFICATE OF ANALYSIS

Client	Hydro Environmental Services	Date Submitted	14/07/2023
	22 Lower Main Street	Date Reported	02/08/2023
	Dungarvan Co. Waterford	Order Number	P1599

For the Attention of:	Hydro Environmental Services
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Sample Reception 4 sample(s) received in good condition.

Comments

N/A

Report Authorised by:

Roseman

Thomas

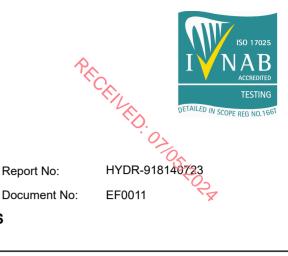
Rosemary Thomas Environmental Chemistry Manager

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



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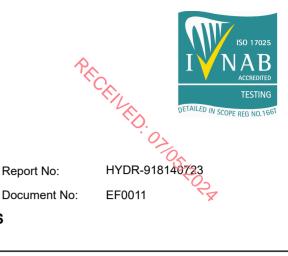
CERTIFICATE OF ANALYSIS

		Date Sub Date Rep Order Nu	orted 02/08/20		
Sample Type Client ID Date Tested ALS ID	Water P1599 SW1 Seskin 14/ 14/07/2023 5662723	07/2023 13.00			
<u>Test</u> Suspended Solids Phosphorus BOD 5 day Total Ammonia Chloride Nitrate Nitrite Orthophosphate Total Oxidised Nitr Nitrogen (Total)	ogen	Result 72 0.18 4 0.04 9.7 <5.0	Unit mg / I mg/I P mg/I O2 mg/I NH3-N mg/I CI mg/I NO3 mg/I NO2 mg/I P mg/L N mg/L N	Method P202 P207 P280 P281 P281 P281 P281 P281 P281 P285	
Sample Type Client ID Date Tested ALS ID	Water P1599 SW2 Seskin 14/ 14/07/2023 5662724	07/2023 13.30			
Test Suspended Solids Phosphorus BOD 5 day Total Ammonia Chloride Nitrate Nitrate Orthophosphate Total Oxidised Nitr Nitrogen (Total)	ogen	Result 97 0.35 17 0.19 14.6 7.0 <0.05 0.09 1.58 3.2	Unit mg / I mg/I P mg/I O2 mg/I NH3-N mg/I NH3-N mg/I NO3 mg/I NO2 mg/I P mg/L N mg/L N	Method P202 P207 P280* P281 P281 P281 P281 P281 P281 P281 P285	

Roseman Thomas



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CERTIFICATE OF ANALYSIS

		Date Sub Date Rep Order Nu	oorted 02/08/20		
Sample Type Client ID Date Tested ALS ID	Water P1599 SW3 Seskin 14, 14/07/2023 5662725	/07/2023 14.00			
<u>Test</u> Suspended Solids Phosphorus BOD 5 day Total Ammonia Chloride Nitrate Nitrite Orthophosphate Total Oxidised Nitr Nitrogen (Total)	ogen	Result 14 <0.10 2 <0.02 9.1 <5.0 <0.05 <0.05 <0.02 <0.25 1.2	Unit mg / I mg/I P mg/I O2 mg/I NH3-N mg/I CI mg/I NO3 mg/I NO2 mg/I P mg/L N mg/L N	Method P202 P207 P280 P281 P281 P281 P281 P281 P281 P285	
Sample Type Client ID Date Tested ALS ID	Water P1599 SW4 Seskin 14, 14/07/2023 5662726	/07/2023 14.30			
Test Suspended Solids Phosphorus BOD 5 day Total Ammonia Chloride Nitrate Nitrite Orthophosphate Total Oxidised Nitr	ogen	Result 39 0.24 5 0.05 20.3 <5.0 <0.05 0.11 1.02 1.5	Unit mg / I mg/I P mg/I O2 mg/I NH3-N mg/I NH3-N mg/I NO3 mg/I NO2 mg/I P mg/L N mg/L N	Method P202 P207 P280 P281 P281 P281 P281 P281 P281 P281 P281	

Roseman Thomas

Report Authorised by:



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CERTIFICATE OF ANALYSIS

Client	Hydro Environmental Services	Date Submitted	14/12/2023
	22 Lower Main Street	Date Reported	21/12/2023
	Dungarvan Co. Waterford	Order Number	P1599-0

For the Attention of:	Hydro Environmental Services
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Sample Reception 4 sample(s) received in good condition.

Comments

N/A

Report Authorised by:

Thomas Koseman

Rosemary Thomas Environmental Chemistry Manager

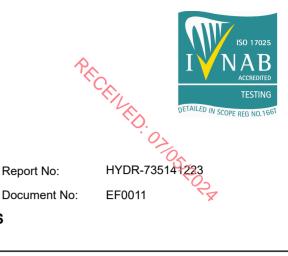
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CERTIFICATE OF ANALYSIS

Sample Type Client ID Date Tested ALS ID	Surface Water P1599 Seskin SW1 14/1 15/12/2023 5899700	Date Subm Date Repor Order Num 2/23 @ 12.00	rted 21/12/20)23
<u>Test</u> Suspended Solids Phosphorus BOD 5 day Total Ammonia Chloride Nitrate Nitrate Orthophosphate Total Oxidised Nitr Nitrogen (Total)		Result <5	Unit mg / I mg/I P mg/I O2 mg/I NH3-N mg/I CI mg/I NO3 mg/I NO2 mg/I P mg/L N mg/L N	Method P202 P207 P280 P281 P281 P281 P281 P281 P281 P285
Sample Type Client ID Date Tested ALS ID	Surface Water P1599 Seskin SW2 14/1 15/12/2023 5899701	2/23 @ 12.30		
<u>Test</u> Suspended Solids Phosphorus BOD 5 day Total Ammonia Chloride Nitrate Nitrate Orthophosphate Total Oxidised Nitr Nitrogen (Total)		Result <5 <0.10 1 0.02 8.8 <5.0 <0.05 <0.02 <0.25 1.2	Unit mg / I mg/I P mg/I O2 mg/I NH3-N mg/I CI mg/I NO3 mg/I NO2 mg/I P mg/L N mg/L N	Method P202 P207 P280 P281 P281 P281 P281 P281 P281 P281 P285

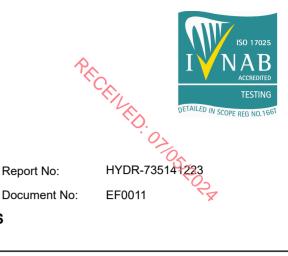
Roseman Thomas

Report Authorised by:



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CERTIFICATE OF ANALYSIS

Sample Type Client ID Date Tested ALS ID	Surface Water P1599 Seskin SW3 14/ [,] 15/12/2023 5899702	Date Subn Date Repo Order Nun 12/23 @ 13.00	orted 21/12/2	023
<u>Test</u> Suspended Solids Phosphorus BOD 5 day Total Ammonia Chloride Nitrate Nitrate Orthophosphate Total Oxidised Nitr Nitrogen (Total)	ogen	Result <7 <0.10 1 0.03 13.4 <5.0 <0.05 <0.02 0.69 2.0	Unit mg / I mg/I P mg/I O2 mg/I NH3-N mg/I CI mg/I NO3 mg/I NO2 mg/I P mg/L N mg/L N	Method P202 P207 P280 P281 P281 P281 P281 P281 P281 P285
Sample Type Client ID Date Tested ALS ID	Surface Water P1599 Seskin SW4 14/ 15/12/2023 5899703	12/23 @ 13.30		
<u>Test</u> Suspended Solids Phosphorus BOD 5 day Total Ammonia Chloride Nitrate Nitrite Orthophosphate Total Oxidised Nitr Nitrogen (Total)	ogen	Result <7 <0.10 <1 0.05 14.0 8.3 <0.05 <0.02 1.88 2.6	Unit mg / I mg/I P mg/I O2 mg/I NH3-N mg/I CI mg/I NO3 mg/I NO2 mg/I P mg/L N mg/L N	Method P202 P207 P280 P281 P281 P281 P281 P281 P281 P281 P285

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