VOLAC/SENSIENT, FELINFACH: EPR/BP3135EB EFFLUENT TREATMENT PLANT (ARLA FOOD INGREDIENTS, FELINFACH)

Analysis of Liquid Sludge

Sample Name: ARLA 1 - TEN

Report No: 54017-26
Sample No: SLUR181192
Date: 22/05/2026

Application rate (t/ha)	**32.0**
Application rate (t/acre)	**13.0**
pH	**7.38**
Dry solids (%)	**0.64**

NUTRIENT CONTENT

			Total		Available	
	result	units	(kg/t)	(kg/ha)	(kg/t)	(kg/ha)
Nitrogen (N)	0.03	%	0.3	10	0.1	2
Ammonium-N	71.6	mg/kg	0.1	2		
Phosphorus (P)	177	mg/kg	0.2	6		
Phosphate (P_2O_5)			0.4	13	0.2	8
Potassium (K)	273	mg/kg	0.3	9		
Potash (K_2O)			0.3	10	0.3	8
Magnesium (Mg)	39	mg/kg	0.0	1		
Magnesium (MgO)			0.1	2	0.0	0
Sulphur (S)	43.6	mg/kg	0.0	1		
Sulphur (SO_3)			0.1	3	0.0	1

POTENTIALLY TOXIC ELEMENTS

			Rate		Limit
	result	units	(g/tonne)	(kg/ha)	(kg/ha/yr)
Zinc	0.50	mg/kg	0.50	0.02	15.00
Copper	0.20	mg/kg	0.20	0.01	7.50
Nickel	0.20	mg/kg	0.20	0.01	3.00
Lead	0.50	mg/kg	0.50	0.02	15.00
Cadmium	0.01	mg/kg	0.01	0.00	0.15
Chromium	0.20	mg/kg	0.20	0.01	15.00
Mercury	0.05	mg/kg	0.05	0.00	0.10

All results expressed on sample as received. The zinc, copper, nickel, lead, cadmium, chromium and mercury concentrations are less than the minimum level of detection, consequently, the calculated values will be less than those shown

VOLAC/SENSIENT, FELINFACH: EPR/BP3135EB EFFLUENT TREATMENT PLANT (ARLA FOOD INGREDIENTS, FELINFACH)

Analysis of Liquid Sludge

Sample Name: ARLA 1 - TEN

Report No: 54017-26
Sample No: SLUR181192
Date: 22/05/2026

Application rate (t/ha)	**50.0**
Application rate (t/acre)	**20.2**
pH	**7.38**
Dry solids (%)	**0.64**

NUTRIENT CONTENT

			Total		Available	
	result	units	(kg/t)	(kg/ha)	(kg/t)	(kg/ha)
Nitrogen (N)	0.03	%	0.3	15	0.1	3
Ammonium-N	71.6	mg/kg	0.1	4		
Phosphorus (P)	177	mg/kg	0.2	9		
Phosphate (P_2O_5)			0.4	20	0.2	12
Potassium (K)	273	mg/kg	0.3	14		
Potash (K_2O)			0.3	16	0.3	13
Magnesium (Mg)	39	mg/kg	0.0	2		
Magnesium (MgO)			0.1	3	0.0	0
Sulphur (S)	43.6	mg/kg	0.0	2		
Sulphur (SO_3)			0.1	5	0.0	1

POTENTIALLY TOXIC ELEMENTS

			Rate		Limit
	result	units	(g/tonne)	(kg/ha)	(kg/ha/yr)
Zinc	0.50	mg/kg	0.50	0.03	15.00
Copper	0.20	mg/kg	0.20	0.01	7.50
Nickel	0.20	mg/kg	0.20	0.01	3.00
Lead	0.50	mg/kg	0.50	0.03	15.00
Cadmium	0.01	mg/kg	0.01	0.00	0.15
Chromium	0.20	mg/kg	0.20	0.01	15.00
Mercury	0.05	mg/kg	0.05	0.00	0.10

All results expressed on sample as received. The zinc, copper, nickel, lead, cadmium, chromium and mercury concentrations are less than the minimum level of detection, consequently, the calculated values will be less than those shown

VOLAC/SENSIENT, FELINFACH: EPR/BP3135EB EFFLUENT TREATMENT PLANT (ARLA FOOD INGREDIENTS, FELINFACH)

Analysis of Liquid Sludge

Sample Name: ARLA 1 - TEN

Report No: 54017-26
Sample No: SLUR181192
Date: 22/05/2026

Application rate (t/ha)	**65.0**
Application rate (t/acre)	**26.3**
pH	**7.38**
Dry solids (%)	**0.64**

NUTRIENT CONTENT

			Total		Available	
	result	**units**	**(kg/t)**	**(kg/ha)**	**(kg/t)**	**(kg/ha)**
Nitrogen (N)	0.03	%	0.3	20	0.1	4
Ammonium-N	71.6	mg/kg	0.1	5		
Phosphorus (P)	177	mg/kg	0.2	12		
Phosphate (P_2O_5)			0.4	26	0.2	16
Potassium (K)	273	mg/kg	0.3	18		
Potash (K_2O)			0.3	21	0.3	17
Magnesium (Mg)	39	mg/kg	0.0	3		
Magnesium (MgO)			0.1	4	0.0	0
Sulphur (S)	43.6	mg/kg	0.0	3		
Sulphur (SO_3)			0.1	7	0.0	1

POTENTIALLY TOXIC ELEMENTS

			Rate		Limit
	result	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	0.50	mg/kg	0.50	0.03	15.00
Copper	0.20	mg/kg	0.20	0.01	7.50
Nickel	0.20	mg/kg	0.20	0.01	3.00
Lead	0.50	mg/kg	0.50	0.03	15.00
Cadmium	0.01	mg/kg	0.01	0.00	0.15
Chromium	0.20	mg/kg	0.20	0.01	15.00
Mercury	0.05	mg/kg	0.05	0.00	0.10

All results expressed on sample as received. The zinc, copper, nickel, lead, cadmium, chromium and mercury concentrations are less than the minimum level of detection, consequently, the calculated values will be less than those shown

ANALYTICAL REPORT

Report Number	**54017-26**	**W138**	**RE-ORGANICS**	**Client**	**STEPSIDE AGRI**
Date Received	**22-MAY-2026**		**CONSULTING LTD**		**THE OLD CATTLE MART**
Date Reported	**03-JUN-2026**		**APPLE BARN**		**STATION ROAD**
Project	**LIQUID WASTE**		**ELTON LANE**		**CARDIGAN**
Reference	**STEPSIDE AGRI**		**NEWNHAM**		**SA43 3AD**
Order Number			**GLOS GL14 1JJ**		

Laboratory Reference		**SLUR181192**	**SLUR181193**
Sample Reference		**ARLA 1 - TEN**	[redacted]
Determinand	**Unit**	**SLURRY/SLUDGE**	[redacted]
Oven Dry Solids	%	0.640	
Conductivity 1:6	uS/cm	457	
Total Kjeldahl Nitrogen	% w/w	0.03	
Nitrate Nitrogen	mg/kg	<10	
Ammonium Nitrogen	mg/kg	71.6	
Total Phosphorus (P)	mg/kg	177	
Total Potassium (K)	mg/kg	273	
Total Magnesium (Mg)	mg/kg	39.0	
Total Copper (Cu)	mg/kg	<0.2	
Total Zinc (Zn)	mg/kg	<0.5	
Total Sulphur (S)	mg/kg	43.6	
Total Calcium (Ca)	mg/kg	337	
Total Lead (Pb)	mg/kg	<0.5	
Total Cadmium (Cd)	mg/kg	<0.01	
Total Mercury (Hg)	mg/kg	<0.05	
Total Nickel (Ni)	mg/kg	<0.2	
Total Chromium (Cr)	mg/kg	<0.2	
Total Sodium (Na)	mg/kg	213	
pH 1:6 [Fresh]		7.38	
B.O.D. [fresh]	mg/l	903	
Oils,Fats and Grease	mg/kg	<200	

Notes

Analysis Notes

The sample submitted was of adequate size to complete all analysis requested.
The results as reported relate only to the item(s) submitted for testing.
The results are presented on an as received basis unless otherwise stipulated.

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ANALYTICAL NOTES

Report Number	**54017-26**	**W138**	**RE-ORGANICS**	**Client**	**STEPSIDE AGRI**
Date Received	**22-MAY-2026**		**CONSULTING LTD**		**THE OLD CATTLE MART**
Date Reported	**03-JUN-2026**		**APPLE BARN**		**STATION ROAD**
Project	**LIQUID WASTE**		**ELTON LANE**		**CARDIGAN**
Reference	**STEPSIDE AGRI**		**NEWNHAM**		**SA43 3AD**
Order Number			**GLOS GL14 1JJ**		

Notes

Reported by

Teresa Clyne

Natural Resource Management, a trading division of Cawood Scientific Ltd.
Coopers Bridge, Braziers Lane, Bracknell, Berkshire, RG42 6NS
Tel: 01344 886338
Fax: 01344 890972
email: enquiries@nrm.uk.com

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DWR CYMRU WELSH WATER - BOLTON HILL WTW

Analysis of water clarification sludge cake

Sampling Point No: 120038
Sample ID: 8734203
Date: 25/03/2026

Application rate (t/ha)	**33.0**
Application rate (t/acre)	**13.4**
pH	**6.4**
Dry solids (%)	**18.9**

NUTRIENT CONTENT

				Total		Available	
	Dry Wt result	Wet Wt result	Units	(kg/t)	(kg/ha)	(kg/t)	(kg/ha)
Nitrogen (N)	1.17	0.22	%	2.2	73	0.2	7
Ammonium N	106	20.03	mg/kg	0.0	1		
Phosphorus (P)	2790	527.31	mg/kg	0.5	17		
Phosphate (P_2O_5)		0.00		1.2	40	0.2	8
Potassium (K)	683	129.09	mg/kg	0.1	4		
Potash (K_2O)		0.00		0.2	5	0.0	1
Magnesium (Mg)	1380	260.82	mg/kg	0.3	9		
Magnesium (MgO)		0.00		0.4	14	0.1	3
Sulphur (S)	5620	1062.18	mg/kg	1.1	35		
Sulphur (SO_3)		0.00		2.7	88	0.3	9

POTENTIALLY TOXIC ELEMENTS

				Rate		Limit	% of Annual Addition Limit
	Dry Wt result	Wet Wt result	Units	(g/tonne)	(kg/ha)	(kg/ha/yr)	
Zinc	100	18.90	mg/kg	18.90	0.62	15.00	4%
Copper	53.6	10.13	mg/kg	10.13	0.33	7.50	4%
Nickel	25.8	4.88	mg/kg	4.88	0.16	3.00	5%
Lead	16.7	3.16	mg/kg	3.16	0.10	15.00	1%
Cadmium	0.52	0.10	mg/kg	0.10	0.00	0.15	2%
Chromium	19.3	3.65	mg/kg	3.65	0.12	15.00	1%
Arsenic	14.9	2.82	mg/kg	2.82	0.09	0.70	13%
Mercury	0.55	0.10	mg/kg	0.10	0.00	0.10	3%
Other Elements							
Iron	22600	4271.40	mg/kg	4271.40	141		
Aluminium	144000	27216.00	mg/kg	27216.00	898		

Dŵr Cymru Welsh Water

SAMPLE ANALYSIS REPORTS

SPT Number	SPT Description	Date Time Taken	Det Code	Det Description	Result Value	Result Qual	Units	Original Sample	PC
120038	BOLTON HILL Sludge Tankering Point	25/Mar/2026 12:06	238	Magnesium	1380		mg/kg	8734203	ME
120038	BOLTON HILL Sludge Tankering Point	25/Mar/2026 12:06	288	Aluminium	144000		mg/kg	8734203	ME
120038	BOLTON HILL Sludge Tankering Point	25/Mar/2026 12:06	357	Arsenic	14.9		mg/kg	8734203	ME
120038	BOLTON HILL Sludge Tankering Point	25/Mar/2026 12:06	4620	pH	6.4		pH	8734203	ME
120038	BOLTON HILL Sludge Tankering Point	25/Mar/2026 12:06	7774	Mercury	0.55	<	mg/kg	8734203	ME
120038	BOLTON HILL Sludge Tankering Point	25/Mar/2026 12:06	8241	Volatile solids	35.4		%	8734203	ME
120038	BOLTON HILL Sludge Tankering Point	25/Mar/2026 12:06	9233	Ammoniacal nitrogen	106		mg/kg	8734203	ME
120038	BOLTON HILL Sludge Tankering Point	25/Mar/2026 12:06	9234	Sulphur	5620		mg/kg	8734203	ME
120038	BOLTON HILL Sludge Tankering Point	25/Mar/2026 12:06	9271	Cadmium	0.52		mg/kg	8734203	ME
120038	BOLTON HILL Sludge Tankering Point	25/Mar/2026 12:06	9272	Chromium	19.3		mg/kg	8734203	ME
120038	BOLTON HILL Sludge Tankering Point	25/Mar/2026 12:06	9273	Copper	53.6		mg/kg	8734203	ME
120038	BOLTON HILL Sludge Tankering Point	25/Mar/2026 12:06	9275	Nickel	25.8		mg/kg	8734203	ME
120038	BOLTON HILL Sludge Tankering Point	25/Mar/2026 12:06	9276	Lead	16.7	<	mg/kg	8734203	ME
120038	BOLTON HILL Sludge Tankering Point	25/Mar/2026 12:06	9277	Zinc	100		mg/kg	8734203	ME
120038	BOLTON HILL Sludge Tankering Point	25/Mar/2026 12:06	9278	Iron	22600		mg/kg	8734203	ME
120038	BOLTON HILL Sludge Tankering Point	25/Mar/2026 12:06	9281	% Dry solids	18.9		%	8734203	ME
120038	BOLTON HILL Sludge Tankering Point	25/Mar/2026 12:06	9282	% Minerals	64.6		%	8734203	ME
120038	BOLTON HILL Sludge Tankering Point	25/Mar/2026 12:06	9283	% K (dry weight)	0.0683		%	8734203	ME
120038	BOLTON HILL Sludge Tankering Point	25/Mar/2026 12:06	9284	% P (dry weight)	0.279		%	8734203	ME
120038	BOLTON HILL Sludge Tankering Point	25/Mar/2026 12:06	9285	% N (dry weight)	1.17		%	8734203	ME

DWR CYMRU WELSH WATER - LLECHRYD WTW

Analysis of water clarification sludge cake

Sampling Point No: 100504
Sample ID: 8557181
Date: 14/10/2025

Application rate (t/ha)	**16.0**
Application rate (t/acre)	**6.5**
pH	**5.8**
Dry solids (%)	**16.4**

NUTRIENT CONTENT

				Total		Available	
	Dry Wt result	Wet Wt result	Units	(kg/t)	(kg/ha)	(kg/t)	(kg/ha)
Nitrogen (N)	0.919	0.15	%	1.5	24	0.2	2
Ammonium N	62.4	10.23	mg/kg	0.0	0		
Phosphorus (P)	3240	531.36	mg/kg	0.5	9		
Phosphate (P_2O_5)		0.00		1.2	19	0.2	4
Potassium (K)	551	90.36	mg/kg	0.1	1		
Potash (K_2O)		0.00		0.1	2	0.0	0
Magnesium (Mg)	1420	232.88	mg/kg	0.2	4		
Magnesium (MgO)		0.00		0.4	6	0.1	1
Sulphur (S)	3780	619.92	mg/kg	0.6	10		
Sulphur (SO_3)		0.00		1.5	25	0.2	2

POTENTIALLY TOXIC ELEMENTS

				Rate		Limit	% of Annual Addition Limit
	Dry Wt result	Wet Wt result	Units	(g/tonne)	(kg/ha)	(kg/ha/yr)	
Zinc	126	20.66	mg/kg	20.66	0.33	15.00	2%
Copper	38.6	6.33	mg/kg	6.33	0.10	7.50	1%
Nickel	17	2.79	mg/kg	2.79	0.04	3.00	1%
Lead	22.1	3.62	mg/kg	3.62	0.06	15.00	0%
Cadmium	0.34	0.06	mg/kg	0.06	0.00	0.15	1%
Chromium	16.3	2.67	mg/kg	2.67	0.04	15.00	0%
Arsenic	22.1	3.62	mg/kg	3.62	0.06	0.70	8%
Mercury	0.31	0.05	mg/kg	0.05	0.00	0.10	1%
Other Elements							
Iron	187000	30668.00	mg/kg	30668.00	491		
Aluminium	7180	1177.52	mg/kg	1177.52	19		

DWR CYMRU WELSH WATER - LLECHRYD WTW

Analysis of water clarification sludge cake

Sampling Point No: 100504
Sample ID: 8557181
Date: 14/10/2025

Application rate (t/ha)	**32.0**
Application rate (t/acre)	**13.0**
pH	**5.8**
Dry solids (%)	**16.4**

NUTRIENT CONTENT

				Total		Available	
	Dry Wt result	Wet Wt result	Units	(kg/t)	(kg/ha)	(kg/t)	(kg/ha)
Nitrogen (N)	0.919	0.15	%	1.5	48	0.2	5
Ammonium N	62.4	10.23	mg/kg	0.0	0		
Phosphorus (P)	3240	531.36	mg/kg	0.5	17		
Phosphate (P_2O_5)		0.00		1.2	39	0.2	8
Potassium (K)	551	90.36	mg/kg	0.1	3		
Potash (K_2O)		0.00		0.1	3	0.0	1
Magnesium (Mg)	1420	232.88	mg/kg	0.2	7		
Magnesium (MgO)		0.00		0.4	12	0.1	2
Sulphur (S)	3780	619.92	mg/kg	0.6	20		
Sulphur (SO_3)		0.00		1.5	50	0.2	5

POTENTIALLY TOXIC ELEMENTS

				Rate		Limit	% of Annual Addition Limit
	Dry Wt result	Wet Wt result	Units	(g/tonne)	(kg/ha)	(kg/ha/yr)	
Zinc	126	20.66	mg/kg	20.66	0.66	15.00	4%
Copper	38.6	6.33	mg/kg	6.33	0.20	7.50	3%
Nickel	17	2.79	mg/kg	2.79	0.09	3.00	3%
Lead	22.1	3.62	mg/kg	3.62	0.12	15.00	1%
Cadmium	0.34	0.06	mg/kg	0.06	0.00	0.15	1%
Chromium	16.3	2.67	mg/kg	2.67	0.09	15.00	1%
Arsenic	22.1	3.62	mg/kg	3.62	0.12	0.70	17%
Mercury	0.31	0.05	mg/kg	0.05	0.00	0.10	2%
Other Elements							
Iron	187000	30668.00	mg/kg	30668.00	981		
Aluminium	7180	1177.52	mg/kg	1177.52	38		

DWR CYMRU WELSH WATER - LLECHRYD WTW

Analysis of water clarification sludge cake

Sampling Point No: 100504
Sample ID: 8557181
Date: 14/10/2025

Application rate (t/ha)	**51.0**
Application rate (t/acre)	**20.6**
pH	**5.8**
Dry solids (%)	**16.4**

NUTRIENT CONTENT

				Total		Available	
	Dry Wt result	Wet Wt result	Units	(kg/t)	(kg/ha)	(kg/t)	(kg/ha)
Nitrogen (N)	0.919	0.15	%	1.5	77	0.2	8
Ammonium N	62.4	10.23	mg/kg	0.0	1		
Phosphorus (P)	3240	531.36	mg/kg	0.5	27		
Phosphate (P_2O_5)		0.00		1.2	62	0.2	12
Potassium (K)	551	90.36	mg/kg	0.1	5		
Potash (K_2O)		0.00		0.1	6	0.0	1
Magnesium (Mg)	1420	232.88	mg/kg	0.2	12		
Magnesium (MgO)		0.00		0.4	20	0.1	4
Sulphur (S)	3780	619.92	mg/kg	0.6	32		
Sulphur (SO_3)		0.00		1.5	79	0.2	8

POTENTIALLY TOXIC ELEMENTS

				Rate		Limit	% of Annual Addition Limit
	Dry Wt result	Wet Wt result	Units	(g/tonne)	(kg/ha)	(kg/ha/yr)	
Zinc	126	20.66	mg/kg	20.66	1.05	15.00	7%
Copper	38.6	6.33	mg/kg	6.33	0.32	7.50	4%
Nickel	17	2.79	mg/kg	2.79	0.14	3.00	5%
Lead	22.1	3.62	mg/kg	3.62	0.18	15.00	1%
Cadmium	0.34	0.06	mg/kg	0.06	0.00	0.15	2%
Chromium	16.3	2.67	mg/kg	2.67	0.14	15.00	1%
Arsenic	22.1	3.62	mg/kg	3.62	0.18	0.70	26%
Mercury	0.31	0.05	mg/kg	0.05	0.00	0.10	3%
Other Elements							
Iron	187000	30668.00	mg/kg	30668.00	1564		
Aluminium	7180	1177.52	mg/kg	1177.52	60		

DWR CYMRU WELSH WATER - LLECHRYD WTW

Analysis of water clarification sludge cake

Sampling Point No: 100504
Sample ID: 8557181
Date: 14/10/2025

Application rate (t/ha)	**65.0**
Application rate (t/acre)	**26.3**
pH	**5.8**
Dry solids (%)	**16.4**

NUTRIENT CONTENT

				Total		Available	
	Dry Wt result	Wet Wt result	Units	(kg/t)	(kg/ha)	(kg/t)	(kg/ha)
Nitrogen (N)	0.919	0.15	%	1.5	98	0.2	10
Ammonium N	62.4	10.23	mg/kg	0.0	1		
Phosphorus (P)	3240	531.36	mg/kg	0.5	35		
Phosphate (P_2O_5)		0.00		1.2	79	0.2	16
Potassium (K)	551	90.36	mg/kg	0.1	6		
Potash (K_2O)		0.00		0.1	7	0.0	1
Magnesium (Mg)	1420	232.88	mg/kg	0.2	15		
Magnesium (MgO)		0.00		0.4	25	0.1	5
Sulphur (S)	3780	619.92	mg/kg	0.6	40		
Sulphur (SO_3)		0.00		1.5	101	0.2	10

POTENTIALLY TOXIC ELEMENTS

				Rate		Limit	% of Annual Addition Limit
	Dry Wt result	Wet Wt result	Units	(g/tonne)	(kg/ha)	(kg/ha/yr)	
Zinc	126	20.66	mg/kg	20.66	1.34	15.00	9%
Copper	38.6	6.33	mg/kg	6.33	0.41	7.50	5%
Nickel	17	2.79	mg/kg	2.79	0.18	3.00	6%
Lead	22.1	3.62	mg/kg	3.62	0.24	15.00	2%
Cadmium	0.34	0.06	mg/kg	0.06	0.00	0.15	2%
Chromium	16.3	2.67	mg/kg	2.67	0.17	15.00	1%
Arsenic	22.1	3.62	mg/kg	3.62	0.24	0.70	34%
Mercury	0.31	0.05	mg/kg	0.05	0.00	0.10	3%
Other Elements							
Iron	187000	30668.00	mg/kg	30668.00	1993		
Aluminium	7180	1177.52	mg/kg	1177.52	77		

Dŵr Cymru Welsh Water

SAMPLE ANALYSIS REPORTS

SPT Number	SPT Description	Date Time Taken	Det Code	Det Description	Result Value	Result Qual	Units	Original Sample	PC
100504	LLECHRYD WTW SLUDGE TANKERING POINT	14/Oct/2025 12:59	238	Magnesium	1420		mg/kg	8557181	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	14/Oct/2025 12:59	288	Aluminium	7180		mg/kg	8557181	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	14/Oct/2025 12:59	357	Arsenic	22.1		mg/kg	8557181	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	14/Oct/2025 12:59	4620	pH	5.8		pH	8557181	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	14/Oct/2025 12:59	7774	Mercury	0.31	<	mg/kg	8557181	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	14/Oct/2025 12:59	8241	Volatile solids	45.7		%	8557181	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	14/Oct/2025 12:59	9233	Ammoniacal nitrogen	62.4		mg/kg	8557181	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	14/Oct/2025 12:59	9234	Sulphur	3780		mg/kg	8557181	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	14/Oct/2025 12:59	9271	Cadmium	0.34	<	mg/kg	8557181	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	14/Oct/2025 12:59	9272	Chromium	16.3		mg/kg	8557181	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	14/Oct/2025 12:59	9273	Copper	38.6		mg/kg	8557181	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	14/Oct/2025 12:59	9275	Nickel	17		mg/kg	8557181	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	14/Oct/2025 12:59	9276	Lead	22.1		mg/kg	8557181	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	14/Oct/2025 12:59	9277	Zinc	126		mg/kg	8557181	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	14/Oct/2025 12:59	9278	Iron	187000		mg/kg	8557181	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	14/Oct/2025 12:59	9281	% Dry solids	16.4		%	8557181	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	14/Oct/2025 12:59	9282	% Minerals	54.3		%	8557181	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	14/Oct/2025 12:59	9283	% K (dry weight)	0.0551		%	8557181	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	14/Oct/2025 12:59	9284	% P (dry weight)	0.324		%	8557181	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	14/Oct/2025 12:59	9285	% N (dry weight)	0.919		%	8557181	ME

DWR CYMRU WELSH WATER - PRESELI WTW

Analysis of water clarification sludge cake

Sampling Point No: 100506
Sample ID: 8756821
Date: 15/04/2026

Application rate (t/ha)	**25.0**
Application rate (t/acre)	**10.1**
pH	**6.7**
Dry solids (%)	**19.9**

NUTRIENT CONTENT

				Total		Available	
	Dry Wt result	Wet Wt result	Units	(kg/t)	(kg/ha)	(kg/t)	(kg/ha)
Nitrogen (N)	1.12	0.22	%	2.2	56	0.2	6
Ammonium N	30.7	6.11	mg/kg	0.0	0		
Phosphorus (P)	3450	686.55	mg/kg	0.7	17		
Phosphate (P_2O_5)		0.00		1.6	39	0.3	8
Potassium (K)	352	70.05	mg/kg	0.1	2		
Potash (K_2O)		0.00		0.1	2	0.0	0
Magnesium (Mg)	1300	258.70	mg/kg	0.3	6		
Magnesium (MgO)		0.00		0.4	11	0.1	2
Sulphur (S)	9600	1910.40	mg/kg	1.9	48		
Sulphur (SO_3)		0.00		4.8	119	0.5	12

POTENTIALLY TOXIC ELEMENTS

				Rate		Limit	% of Annual Addition Limit
	Dry Wt result	Wet Wt result	Units	(g/tonne)	(kg/ha)	(kg/ha/yr)	
Zinc	240	47.76	mg/kg	47.76	1.19	15.00	8%
Copper	55.8	11.10	mg/kg	11.10	0.28	7.50	4%
Nickel	38.5	7.66	mg/kg	7.66	0.19	3.00	6%
Lead	18.3	3.64	mg/kg	3.64	0.09	15.00	1%
Cadmium	2.07	0.41	mg/kg	0.41	0.01	0.15	7%
Chromium	18.6	3.70	mg/kg	3.70	0.09	15.00	1%
Arsenic	20	3.98	mg/kg	3.98	0.10	0.70	14%
Mercury	0.51	0.10	mg/kg	0.10	0.00	0.10	3%
Other Elements							
Iron	24900	4955.10	mg/kg	4955.10	124		
Aluminium	143000	28457.00	mg/kg	28457.00	711		

Dŵr Cymru
Welsh Water

SAMPLE ANALYSIS REPORT

SPT Number	SPT Description	Date Time Taken	Det Code	Det Description	Result Value	Result Qual	Units	Original Sample	PC
100506	PRESELI WTW SLUDGE Tankering Point (New Works)	15/Apr/2026 11:55	238	Magnesium	1300		mg/kg	8756821	ME
100506	PRESELI WTW SLUDGE Tankering Point (New Works)	15/Apr/2026 11:55	288	Aluminium	143000		mg/kg	8756821	ME
100506	PRESELI WTW SLUDGE Tankering Point (New Works)	15/Apr/2026 11:55	357	Arsenic	20		mg/kg	8756821	ME
100506	PRESELI WTW SLUDGE Tankering Point (New Works)	15/Apr/2026 11:55	4620	pH	6.7		pH	8756821	ME
100506	PRESELI WTW SLUDGE Tankering Point (New Works)	15/Apr/2026 11:55	7774	Mercury	0.51	<	mg/kg	8756821	ME
100506	PRESELI WTW SLUDGE Tankering Point (New Works)	15/Apr/2026 11:55	8241	Volatile solids	49.7		%	8756821	ME
100506	PRESELI WTW SLUDGE Tankering Point (New Works)	15/Apr/2026 11:55	9233	Ammoniacal nitrogen	30.7	<	mg/kg	8756821	ME
100506	PRESELI WTW SLUDGE Tankering Point (New Works)	15/Apr/2026 11:55	9234	Sulphur	9600		mg/kg	8756821	ME
100506	PRESELI WTW SLUDGE Tankering Point (New Works)	15/Apr/2026 11:55	9271	Cadmium	2.07		mg/kg	8756821	ME
100506	PRESELI WTW SLUDGE Tankering Point (New Works)	15/Apr/2026 11:55	9272	Chromium	18.6		mg/kg	8756821	ME
100506	PRESELI WTW SLUDGE Tankering Point (New Works)	15/Apr/2026 11:55	9273	Copper	55.8		mg/kg	8756821	ME
100506	PRESELI WTW SLUDGE Tankering Point (New Works)	15/Apr/2026 11:55	9275	Nickel	38.5		mg/kg	8756821	ME
100506	PRESELI WTW SLUDGE Tankering Point (New Works)	15/Apr/2026 11:55	9276	Lead	18.3		mg/kg	8756821	ME
100506	PRESELI WTW SLUDGE Tankering Point (New Works)	15/Apr/2026 11:55	9277	Zinc	240		mg/kg	8756821	ME
100506	PRESELI WTW SLUDGE Tankering Point (New Works)	15/Apr/2026 11:55	9278	Iron	24900		mg/kg	8756821	ME
100506	PRESELI WTW SLUDGE Tankering Point (New Works)	15/Apr/2026 11:55	9281	% Dry solids	19.9		%	8756821	ME
100506	PRESELI WTW SLUDGE Tankering Point (New Works)	15/Apr/2026 11:55	9282	% Minerals	50.3		%	8756821	ME
100506	PRESELI WTW SLUDGE Tankering Point (New Works)	15/Apr/2026 11:55	9283	% K (dry weight)	0.0352		%	8756821	ME
100506	PRESELI WTW SLUDGE Tankering Point (New Works)	15/Apr/2026 11:55	9284	% P (dry weight)	0.345		%	8756821	ME
100506	PRESELI WTW SLUDGE Tankering Point (New Works)	15/Apr/2026 11:55	9285	% N (dry weight)	1.12		%	8756821	ME

DWR CYMRU WELSH WATER - STRATA FLORIDA WTW

Analysis of water clarification sludge cake

Sampling Point No: 100519
Sample ID: 8734193
Date: 25/03/2026

Application rate (t/ha)	**44.0**
Application rate (t/acre)	**17.8**
pH	**6.0**
Dry solids (%)	**16.0**

NUTRIENT CONTENT

				Total		Available	
	Dry Wt result	Wet Wt result	Units	(kg/t)	(kg/ha)	(kg/t)	(kg/ha)
Nitrogen (N)	1.18	0.19	%	1.9	83	0.2	8
Ammonium N	38.1	6.10	mg/kg	0.0	0		
Phosphorus (P)	2470	395.20	mg/kg	0.4	17		
Phosphate (P_2O_5)		0.00		0.9	40	0.2	8
Potassium (K)	275	44.00	mg/kg	0.0	2		
Potash (K_2O)		0.00		0.1	2	0.0	0
Magnesium (Mg)	173	27.68	mg/kg	0.0	1		
Magnesium (MgO)		0.00		0.0	2	0.0	0
Sulphur (S)	5150	824.00	mg/kg	0.8	36		
Sulphur (SO_3)		0.00		2.1	91	0.2	9

POTENTIALLY TOXIC ELEMENTS

				Rate		Limit	% of Annual Addition Limit
	Dry Wt result	Wet Wt result	Units	(g/tonne)	(kg/ha)	(kg/ha/yr)	
Zinc	72.7	11.63	mg/kg	11.63	0.51	15.00	3%
Copper	24.6	3.94	mg/kg	3.94	0.17	7.50	2%
Nickel	16.1	2.58	mg/kg	2.58	0.11	3.00	4%
Lead	34.9	5.58	mg/kg	5.58	0.25	15.00	2%
Cadmium	0.95	0.15	mg/kg	0.15	0.01	0.15	4%
Chromium	13.6	2.18	mg/kg	2.18	0.10	15.00	1%
Arsenic	39.8	6.37	mg/kg	6.37	0.28	0.70	40%
Mercury	0.64	0.10	mg/kg	0.10	0.00	0.10	5%
Other Elements							
Iron	25000	4000.00	mg/kg	4000.00	176		
Aluminium	130000	20800.00	mg/kg	20800.00	915		

Dŵr Cymru Welsh Water

SAMPLE ANALYSIS REPORTS

SPT Number	SPT Description	Date Time Taken	Det Code	Det Description	Result Value	Result Qual	Units	Original Sample	PC
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:02	238	Magnesium	173		mg/kg	8734193	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:02	288	Aluminium	130000		mg/kg	8734193	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:02	357	Arsenic	39.8		mg/kg	8734193	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:02	4620	pH	6		pH	8734193	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:02	7774	Mercury	0.64	<	mg/kg	8734193	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:02	8241	Volatile solids	58.4		%	8734193	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:02	9233	Ammoniacal nitrogen	38.1	<	mg/kg	8734193	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:02	9234	Sulphur	5150		mg/kg	8734193	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:02	9271	Cadmium	0.95		mg/kg	8734193	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:02	9272	Chromium	13.6	<	mg/kg	8734193	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:02	9273	Copper	24.6	<	mg/kg	8734193	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:02	9275	Nickel	16.1	<	mg/kg	8734193	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:02	9276	Lead	34.9		mg/kg	8734193	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:02	9277	Zinc	72.7		mg/kg	8734193	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:02	9278	Iron	25000		mg/kg	8734193	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:02	9281	% Dry solids	16		%	8734193	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:02	9282	% Minerals	41.6		%	8734193	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:02	9283	% K (dry weight)	0.0275	<	%	8734193	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:02	9284	% P (dry weight)	0.247		%	8734193	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:02	9285	% N (dry weight)	1.18		%	8734193	ME

DWR CYMRU WELSH WATER - BRYNGWYN WTW

Analysis of liquid water clarification sludge

Sampling Point No: 79131
Sample ID: 8734207
Date: 25/03/2026

Application rate (t/ha)	**75.0**
Application rate (t/acre)	**30.4**
pH	**5.8**
Dry solids (%)	**2.22**

NUTRIENT CONTENT

				Total		Available	
	Dry Wt result	Wet Wt result	Units	(kg/t)	(kg/ha)	(kg/t)	(kg/ha)
Nitrogen (N)	0.7	0.02	%	0.2	12	0.0	1
Ammonium N	274	6.08	mg/kg	0.0	0		
Phosphorus (P)	5240	116.33	mg/kg	0.1	9		
Phosphate (P_2O_5)		0.00		0.3	20	0.1	4
Potassium (K)	781	17.34	mg/kg	0.0	1		
Potash (K_2O)		0.00		0.0	2	0.0	0
Magnesium (Mg)	562	12.48	mg/kg	0.0	1		
Magnesium (MgO)		0.00		0.0	2	0.0	0
Sulphur (S)	5740	127.43	mg/kg	0.1	10		
Sulphur (SO_3)		0.00		0.3	24	0.0	2

POTENTIALLY TOXIC ELEMENTS

				Rate		Limit	% of Annual Addition Limit
	Dry Wt result	Wet Wt result	Units	(g/tonne)	(kg/ha)	(kg/ha/yr)	
Zinc	110	2.44	mg/kg	2.44	0.18	15.00	1%
Copper	70	1.55	mg/kg	1.55	0.12	7.50	2%
Nickel	45.8	1.02	mg/kg	1.02	0.08	3.00	3%
Lead	55.6	1.23	mg/kg	1.23	0.09	15.00	1%
Cadmium	1.06	0.02	mg/kg	0.02	0.00	0.15	1%
Chromium	38.6	0.86	mg/kg	0.86	0.06	15.00	0%
Arsenic	14.7	0.33	mg/kg	0.33	0.02	0.70	3%
Mercury	1.8	0.04	mg/kg	0.04	0.00	0.10	3%
Other Elements							
Iron	444000	9856.80	mg/kg	9856.80	739		
Aluminium	2310	51.28	mg/kg	51.28	4		

DWR CYMRU WELSH WATER - BRYNGWYN WTW

Analysis of liquid water clarification sludge

Sampling Point No: 79131
Sample ID: 8734207
Date: 25/03/2026

Application rate (t/ha)	**100.0**
Application rate (t/acre)	**40.5**
pH	**5.8**
Dry solids (%)	**2.22**

NUTRIENT CONTENT

				Total		Available	
	Dry Wt result	Wet Wt result	Units	(kg/t)	(kg/ha)	(kg/t)	(kg/ha)
Nitrogen (N)	0.7	0.02	%	0.2	16	0.0	2
Ammonium N	274	6.08	mg/kg	0.0	1		
Phosphorus (P)	5240	116.33	mg/kg	0.1	12		
Phosphate (P_2O_5)		0.00		0.3	27	0.1	5
Potassium (K)	781	17.34	mg/kg	0.0	2		
Potash (K_2O)		0.00		0.0	2	0.0	0
Magnesium (Mg)	562	12.48	mg/kg	0.0	1		
Magnesium (MgO)		0.00		0.0	2	0.0	0
Sulphur (S)	5740	127.43	mg/kg	0.1	13		
Sulphur (SO_3)		0.00		0.3	32	0.0	3

POTENTIALLY TOXIC ELEMENTS

				Rate		Limit	% of Annual Addition Limit
	Dry Wt result	Wet Wt result	Units	(g/tonne)	(kg/ha)	(kg/ha/yr)	
Zinc	110	2.44	mg/kg	2.44	0.24	15.00	2%
Copper	70	1.55	mg/kg	1.55	0.16	7.50	2%
Nickel	45.8	1.02	mg/kg	1.02	0.10	3.00	3%
Lead	55.6	1.23	mg/kg	1.23	0.12	15.00	1%
Cadmium	1.06	0.02	mg/kg	0.02	0.00	0.15	2%
Chromium	38.6	0.86	mg/kg	0.86	0.09	15.00	1%
Arsenic	14.7	0.33	mg/kg	0.33	0.03	0.70	5%
Mercury	1.8	0.04	mg/kg	0.04	0.00	0.10	4%
Other Elements							
Iron	444000	9856.80	mg/kg	9856.80	986		
Aluminium	2310	51.28	mg/kg	51.28	5		

DWR CYMRU WELSH WATER - BRYNGWYN WTW

Analysis of liquid water clarification sludge

Sampling Point No: 79131
Sample ID: 8734207
Date: 25/03/2026

Application rate (t/ha)	**150.0**
Application rate (t/acre)	**60.7**
pH	**5.8**
Dry solids (%)	**2.22**

NUTRIENT CONTENT

				Total		Available	
	Dry Wt result	Wet Wt result	Units	(kg/t)	(kg/ha)	(kg/t)	(kg/ha)
Nitrogen (N)	0.7	0.02	%	0.2	23	0.0	2
Ammonium N	274	6.08	mg/kg	0.0	1		
Phosphorus (P)	5240	116.33	mg/kg	0.1	17		
Phosphate (P_2O_5)		0.00		0.3	40	0.1	8
Potassium (K)	781	17.34	mg/kg	0.0	3		
Potash (K_2O)		0.00		0.0	3	0.0	1
Magnesium (Mg)	562	12.48	mg/kg	0.0	2		
Magnesium (MgO)		0.00		0.0	3	0.0	1
Sulphur (S)	5740	127.43	mg/kg	0.1	19		
Sulphur (SO_3)		0.00		0.3	48	0.0	5

POTENTIALLY TOXIC ELEMENTS

				Rate		Limit	% of Annual Addition Limit
	Dry Wt result	Wet Wt result	Units	(g/tonne)	(kg/ha)	(kg/ha/yr)	
Zinc	110	2.44	mg/kg	2.44	0.37	15.00	2%
Copper	70	1.55	mg/kg	1.55	0.23	7.50	3%
Nickel	45.8	1.02	mg/kg	1.02	0.15	3.00	5%
Lead	55.6	1.23	mg/kg	1.23	0.19	15.00	1%
Cadmium	1.06	0.02	mg/kg	0.02	0.00	0.15	2%
Chromium	38.6	0.86	mg/kg	0.86	0.13	15.00	1%
Arsenic	14.7	0.33	mg/kg	0.33	0.05	0.70	7%
Mercury	1.8	0.04	mg/kg	0.04	0.01	0.10	6%
Other Elements							
Iron	444000	9856.80	mg/kg	9856.80	1479		
Aluminium	2310	51.28	mg/kg	51.28	8		

DWR CYMRU WELSH WATER - BRYNGWYN WTW

Analysis of liquid water clarification sludge

Sampling Point No: 79131
Sample ID: 8734207
Date: 25/03/2026

Application rate (t/ha)	**250.0**
Application rate (t/acre)	**101.2**
pH	**5.8**
Dry solids (%)	**2.22**

NUTRIENT CONTENT

				Total		Available	
	Dry Wt result	Wet Wt result	Units	(kg/t)	(kg/ha)	(kg/t)	(kg/ha)
Nitrogen (N)	0.7	0.02	%	0.2	39	0.0	4
Ammonium N	274	6.08	mg/kg	0.0	2		
Phosphorus (P)	5240	116.33	mg/kg	0.1	29		
Phosphate (P_2O_5)		0.00		0.3	67	0.1	13
Potassium (K)	781	17.34	mg/kg	0.0	4		
Potash (K_2O)		0.00		0.0	5	0.0	1
Magnesium (Mg)	562	12.48	mg/kg	0.0	3		
Magnesium (MgO)		0.00		0.0	5	0.0	1
Sulphur (S)	5740	127.43	mg/kg	0.1	32		
Sulphur (SO_3)		0.00		0.3	80	0.0	8

POTENTIALLY TOXIC ELEMENTS

				Rate		Limit	% of Annual Addition Limit
	Dry Wt result	Wet Wt result	Units	(g/tonne)	(kg/ha)	(kg/ha/yr)	
Zinc	110	2.44	mg/kg	2.44	0.61	15.00	4%
Copper	70	1.55	mg/kg	1.55	0.39	7.50	5%
Nickel	45.8	1.02	mg/kg	1.02	0.25	3.00	8%
Lead	55.6	1.23	mg/kg	1.23	0.31	15.00	2%
Cadmium	1.06	0.02	mg/kg	0.02	0.01	0.15	4%
Chromium	38.6	0.86	mg/kg	0.86	0.21	15.00	1%
Arsenic	14.7	0.33	mg/kg	0.33	0.08	0.70	12%
Mercury	1.8	0.04	mg/kg	0.04	0.01	0.10	10%
Other Elements							
Iron	444000	9856.80	mg/kg	9856.80	2464		
Aluminium	2310	51.28	mg/kg	51.28	13		

Dŵr Cymru Welsh Water

SAMPLE ANALYSIS REPORT

SPT Number	SPT Description	Date Time Taken	Det Code	Det Description	Result Value	Result Qual	Units	Original Sample	PC
79131	BRYNGWYN WTW SLUDGE TANKERING POINT	25/Mar/2026 12:07	238	Magnesium	562		mg/kg	8734207	ME
79131	BRYNGWYN WTW SLUDGE TANKERING POINT	25/Mar/2026 12:07	288	Aluminium	2310		mg/kg	8734207	ME
79131	BRYNGWYN WTW SLUDGE TANKERING POINT	25/Mar/2026 12:07	357	Arsenic	14.7		mg/kg	8734207	ME
79131	BRYNGWYN WTW SLUDGE TANKERING POINT	25/Mar/2026 12:07	4620	pH	5.8		pH	8734207	ME
79131	BRYNGWYN WTW SLUDGE TANKERING POINT	25/Mar/2026 12:07	7774	Mercury	1.8	<	mg/kg	8734207	ME
79131	BRYNGWYN WTW SLUDGE TANKERING POINT	25/Mar/2026 12:07	8241	Volatile solids	31.9		%	8734207	ME
79131	BRYNGWYN WTW SLUDGE TANKERING POINT	25/Mar/2026 12:07	9233	Ammoniacal nitrogen	274	<	mg/kg	8734207	ME
79131	BRYNGWYN WTW SLUDGE TANKERING POINT	25/Mar/2026 12:07	9234	Sulphur	5740		mg/kg	8734207	ME
79131	BRYNGWYN WTW SLUDGE TANKERING POINT	25/Mar/2026 12:07	9271	Cadmium	1.06		mg/kg	8734207	ME
79131	BRYNGWYN WTW SLUDGE TANKERING POINT	25/Mar/2026 12:07	9272	Chromium	38.6	<	mg/kg	8734207	ME
79131	BRYNGWYN WTW SLUDGE TANKERING POINT	25/Mar/2026 12:07	9273	Copper	70	<	mg/kg	8734207	ME
79131	BRYNGWYN WTW SLUDGE TANKERING POINT	25/Mar/2026 12:07	9275	Nickel	45.8	<	mg/kg	8734207	ME
79131	BRYNGWYN WTW SLUDGE TANKERING POINT	25/Mar/2026 12:07	9276	Lead	55.6	<	mg/kg	8734207	ME
79131	BRYNGWYN WTW SLUDGE TANKERING POINT	25/Mar/2026 12:07	9277	Zinc	110	<	mg/kg	8734207	ME
79131	BRYNGWYN WTW SLUDGE TANKERING POINT	25/Mar/2026 12:07	9278	Iron	444000		mg/kg	8734207	ME
79131	BRYNGWYN WTW SLUDGE TANKERING POINT	25/Mar/2026 12:07	9281	% Dry solids	2.22		%	8734207	ME
79131	BRYNGWYN WTW SLUDGE TANKERING POINT	25/Mar/2026 12:07	9282	% Minerals	68.1		%	8734207	ME
79131	BRYNGWYN WTW SLUDGE TANKERING POINT	25/Mar/2026 12:07	9283	% K (dry weight)	0.0781	<	%	8734207	ME
79131	BRYNGWYN WTW SLUDGE TANKERING POINT	25/Mar/2026 12:07	9284	% P (dry weight)	0.524	<	%	8734207	ME
79131	BRYNGWYN WTW SLUDGE TANKERING POINT	25/Mar/2026 12:07	9285	% N (dry weight)	0.7	<	%	8734207	ME

DWR CYMRU WELSH WATER - CRAY WTW

Analysis of liquid water clarification sludge

Sampling Point No: 79114
Sample ID: 8734183
Date: 25/03/2026

Application rate (t/ha)	**74.0**
Application rate (t/acre)	**29.9**
pH	**6.0**
Dry solids (%)	**2.71**

NUTRIENT CONTENT

				Total		Available	
	Dry Wt result	Wet Wt result	Units	(kg/t)	(kg/ha)	(kg/t)	(kg/ha)
Nitrogen (N)	0.782	0.02	%	0.2	16	0.0	2
Ammonium N	226	6.12	mg/kg	0.0	0		
Phosphorus (P)	4340	117.61	mg/kg	0.1	9		
Phosphate (P_2O_5)		0.00		0.3	20	0.1	4
Potassium (K)	646	17.51	mg/kg	0.0	1		
Potash (K_2O)		0.00		0.0	2	0.0	0
Magnesium (Mg)	645	17.48	mg/kg	0.0	1		
Magnesium (MgO)		0.00		0.0	2	0.0	0
Sulphur (S)	3910	105.96	mg/kg	0.1	8		
Sulphur (SO_3)		0.00		0.3	20	0.0	2

POTENTIALLY TOXIC ELEMENTS

				Rate		Limit	% of Annual Addition Limit
	Dry Wt result	Wet Wt result	Units	(g/tonne)	(kg/ha)	(kg/ha/yr)	
Zinc	130	3.52	mg/kg	3.52	0.26	15.00	2%
Copper	57.9	1.57	mg/kg	1.57	0.12	7.50	2%
Nickel	37.9	1.03	mg/kg	1.03	0.08	3.00	3%
Lead	46	1.25	mg/kg	1.25	0.09	15.00	1%
Cadmium	2.21	0.06	mg/kg	0.06	0.00	0.15	3%
Chromium	34.2	0.93	mg/kg	0.93	0.07	15.00	0%
Arsenic	55.9	1.51	mg/kg	1.51	0.11	0.70	16%
Mercury	1.49	0.04	mg/kg	0.04	0.00	0.10	3%
Other Elements							
Iron	422000	11436.20	mg/kg	11436.20	846		
Aluminium	4260	115.45	mg/kg	115.45	9		

DWR CYMRU WELSH WATER - CRAY WTW

Analysis of liquid water clarification sludge

Sampling Point No: 79114
Sample ID: 8734183
Date: 25/03/2026

Application rate (t/ha)	**100.0**
Application rate (t/acre)	**40.5**
pH	**6.0**
Dry solids (%)	**2.71**

NUTRIENT CONTENT

				Total		Available	
	Dry Wt result	Wet Wt result	Units	(kg/t)	(kg/ha)	(kg/t)	(kg/ha)
Nitrogen (N)	0.782	0.02	%	0.2	21	0.0	2
Ammonium N	226	6.12	mg/kg	0.0	1		
Phosphorus (P)	4340	117.61	mg/kg	0.1	12		
Phosphate (P_2O_5)		0.00		0.3	27	0.1	5
Potassium (K)	646	17.51	mg/kg	0.0	2		
Potash (K_2O)		0.00		0.0	2	0.0	0
Magnesium (Mg)	645	17.48	mg/kg	0.0	2		
Magnesium (MgO)		0.00		0.0	3	0.0	1
Sulphur (S)	3910	105.96	mg/kg	0.1	11		
Sulphur (SO_3)		0.00		0.3	26	0.0	3

POTENTIALLY TOXIC ELEMENTS

				Rate		Limit	% of Annual Addition Limit
	Dry Wt result	Wet Wt result	Units	(g/tonne)	(kg/ha)	(kg/ha/yr)	
Zinc	130	3.52	mg/kg	3.52	0.35	15.00	2%
Copper	57.9	1.57	mg/kg	1.57	0.16	7.50	2%
Nickel	37.9	1.03	mg/kg	1.03	0.10	3.00	3%
Lead	46	1.25	mg/kg	1.25	0.12	15.00	1%
Cadmium	2.21	0.06	mg/kg	0.06	0.01	0.15	4%
Chromium	34.2	0.93	mg/kg	0.93	0.09	15.00	1%
Arsenic	55.9	1.51	mg/kg	1.51	0.15	0.70	22%
Mercury	1.49	0.04	mg/kg	0.04	0.00	0.10	4%
Other Elements							
Iron	422000	11436.20	mg/kg	11436.20	1144		
Aluminium	4260	115.45	mg/kg	115.45	12		

DWR CYMRU WELSH WATER - CRAY WTW

Analysis of liquid water clarification sludge

Sampling Point No: 79114
Sample ID: 8734183
Date: 25/03/2026

Application rate (t/ha)	**148.0**
Application rate (t/acre)	**59.9**
pH	**6.0**
Dry solids (%)	**2.71**

NUTRIENT CONTENT

				Total		Available	
	Dry Wt result	Wet Wt result	Units	(kg/t)	(kg/ha)	(kg/t)	(kg/ha)
Nitrogen (N)	0.782	0.02	%	0.2	31	0.0	3
Ammonium N	226	6.12	mg/kg	0.0	1		
Phosphorus (P)	4340	117.61	mg/kg	0.1	17		
Phosphate (P_2O_5)		0.00		0.3	40	0.1	8
Potassium (K)	646	17.51	mg/kg	0.0	3		
Potash (K_2O)		0.00		0.0	3	0.0	1
Magnesium (Mg)	645	17.48	mg/kg	0.0	3		
Magnesium (MgO)		0.00		0.0	4	0.0	1
Sulphur (S)	3910	105.96	mg/kg	0.1	16		
Sulphur (SO_3)		0.00		0.3	39	0.0	4

POTENTIALLY TOXIC ELEMENTS

				Rate		Limit	% of Annual Addition Limit
	Dry Wt result	Wet Wt result	Units	(g/tonne)	(kg/ha)	(kg/ha/yr)	
Zinc	130	3.52	mg/kg	3.52	0.52	15.00	3%
Copper	57.9	1.57	mg/kg	1.57	0.23	7.50	3%
Nickel	37.9	1.03	mg/kg	1.03	0.15	3.00	5%
Lead	46	1.25	mg/kg	1.25	0.18	15.00	1%
Cadmium	2.21	0.06	mg/kg	0.06	0.01	0.15	6%
Chromium	34.2	0.93	mg/kg	0.93	0.14	15.00	1%
Arsenic	55.9	1.51	mg/kg	1.51	0.22	0.70	32%
Mercury	1.49	0.04	mg/kg	0.04	0.01	0.10	6%
Other Elements							
Iron	422000	11436.20	mg/kg	11436.20	1693		
Aluminium	4260	115.45	mg/kg	115.45	17		

DWR CYMRU WELSH WATER - CRAY WTW

Analysis of liquid water clarification sludge

Sampling Point No: 79114
Sample ID: 8734183
Date: 25/03/2026

Application rate (t/ha)	**250.0**
Application rate (t/acre)	**101.2**
pH	**6.0**
Dry solids (%)	**2.71**

NUTRIENT CONTENT

				Total		Available	
	Dry Wt result	Wet Wt result	Units	(kg/t)	(kg/ha)	(kg/t)	(kg/ha)
Nitrogen (N)	0.782	0.02	%	0.2	53	0.0	5
Ammonium N	226	6.12	mg/kg	0.0	2		
Phosphorus (P)	4340	117.61	mg/kg	0.1	29		
Phosphate (P_2O_5)		0.00		0.3	67	0.1	13
Potassium (K)	646	17.51	mg/kg	0.0	4		
Potash (K_2O)		0.00		0.0	5	0.0	1
Magnesium (Mg)	645	17.48	mg/kg	0.0	4		
Magnesium (MgO)		0.00		0.0	7	0.0	1
Sulphur (S)	3910	105.96	mg/kg	0.1	26		
Sulphur (SO_3)		0.00		0.3	66	0.0	7

POTENTIALLY TOXIC ELEMENTS

				Rate		Limit	% of Annual Addition Limit
	Dry Wt result	Wet Wt result	Units	(g/tonne)	(kg/ha)	(kg/ha/yr)	
Zinc	130	3.52	mg/kg	3.52	0.88	15.00	6%
Copper	57.9	1.57	mg/kg	1.57	0.39	7.50	5%
Nickel	37.9	1.03	mg/kg	1.03	0.26	3.00	9%
Lead	46	1.25	mg/kg	1.25	0.31	15.00	2%
Cadmium	2.21	0.06	mg/kg	0.06	0.01	0.15	10%
Chromium	34.2	0.93	mg/kg	0.93	0.23	15.00	2%
Arsenic	55.9	1.51	mg/kg	1.51	0.38	0.70	54%
Mercury	1.49	0.04	mg/kg	0.04	0.01	0.10	10%
Other Elements							
Iron	422000	11436.20	mg/kg	11436.20	2859		
Aluminium	4260	115.45	mg/kg	115.45	29		

Dŵr Cymru Welsh Water

SAMPLE ANALYSIS REPORT

SPT Number	SPT Description	Date Time Taken	Det Code	Det Description	Result Value	Result Qual	Units	Original Sample	PC
79114	CRAY WTW SLUDGE TANKERING POINT	25/Mar/2026 11:57	238	Magnesium	645		mg/kg	8734183	ME
79114	CRAY WTW SLUDGE TANKERING POINT	25/Mar/2026 11:57	288	Aluminium	4260		mg/kg	8734183	ME
79114	CRAY WTW SLUDGE TANKERING POINT	25/Mar/2026 11:57	357	Arsenic	55.9		mg/kg	8734183	ME
79114	CRAY WTW SLUDGE TANKERING POINT	25/Mar/2026 11:57	4620	pH	6		pH	8734183	ME
79114	CRAY WTW SLUDGE TANKERING POINT	25/Mar/2026 11:57	7774	Mercury	1.49	<	mg/kg	8734183	ME
79114	CRAY WTW SLUDGE TANKERING POINT	25/Mar/2026 11:57	8241	Volatile solids	40.9		%	8734183	ME
79114	CRAY WTW SLUDGE TANKERING POINT	25/Mar/2026 11:57	9233	Ammoniacal nitrogen	226	<	mg/kg	8734183	ME
79114	CRAY WTW SLUDGE TANKERING POINT	25/Mar/2026 11:57	9234	Sulphur	3910		mg/kg	8734183	ME
79114	CRAY WTW SLUDGE TANKERING POINT	25/Mar/2026 11:57	9271	Cadmium	2.21		mg/kg	8734183	ME
79114	CRAY WTW SLUDGE TANKERING POINT	25/Mar/2026 11:57	9272	Chromium	34.2		mg/kg	8734183	ME
79114	CRAY WTW SLUDGE TANKERING POINT	25/Mar/2026 11:57	9273	Copper	57.9	<	mg/kg	8734183	ME
79114	CRAY WTW SLUDGE TANKERING POINT	25/Mar/2026 11:57	9275	Nickel	37.9	<	mg/kg	8734183	ME
79114	CRAY WTW SLUDGE TANKERING POINT	25/Mar/2026 11:57	9276	Lead	46	<	mg/kg	8734183	ME
79114	CRAY WTW SLUDGE TANKERING POINT	25/Mar/2026 11:57	9277	Zinc	130		mg/kg	8734183	ME
79114	CRAY WTW SLUDGE TANKERING POINT	25/Mar/2026 11:57	9278	Iron	422000		mg/kg	8734183	ME
79114	CRAY WTW SLUDGE TANKERING POINT	25/Mar/2026 11:57	9281	% Dry solids	2.71		%	8734183	ME
79114	CRAY WTW SLUDGE TANKERING POINT	25/Mar/2026 11:57	9282	% Minerals	59.1		%	8734183	ME
79114	CRAY WTW SLUDGE TANKERING POINT	25/Mar/2026 11:57	9283	% K (dry weight)	0.0646	<	%	8734183	ME
79114	CRAY WTW SLUDGE TANKERING POINT	25/Mar/2026 11:57	9284	% P (dry weight)	0.434	<	%	8734183	ME
79114	CRAY WTW SLUDGE TANKERING POINT	25/Mar/2026 11:57	9285	% N (dry weight)	0.782		%	8734183	ME

DWR CYMRU WELSH WATER - LLECHRYD WTW

Analysis of liquid water clarification sludge

Sampling Point No: 100504
Sample ID: 8734197
Date: 25/03/2026

Application rate (t/ha)	**31.0**
Application rate (t/acre)	**12.5**
pH	**6.2**
Dry solids (%)	**5.57**

NUTRIENT CONTENT

				Total		Available	
	Dry Wt result	Wet Wt result	Units	(kg/t)	(kg/ha)	(kg/t)	(kg/ha)
Nitrogen (N)	0.747	0.04	%	0.4	13	0.0	1
Ammonium N	110	6.13	mg/kg	0.0	0		
Phosphorus (P)	4900	272.93	mg/kg	0.3	8		
Phosphate (P_2O_5)		0.00		0.6	19	0.1	4
Potassium (K)	818	45.56	mg/kg	0.0	1		
Potash (K_2O)		0.00		0.1	2	0.0	0
Magnesium (Mg)	2230	124.21	mg/kg	0.1	4		
Magnesium (MgO)		0.00		0.2	6	0.0	1
Sulphur (S)	2590	144.26	mg/kg	0.1	4		
Sulphur (SO_3)		0.00		0.4	11	0.0	1

POTENTIALLY TOXIC ELEMENTS

				Rate		Limit	% of Annual Addition Limit
	Dry Wt result	Wet Wt result	Units	(g/tonne)	(kg/ha)	(kg/ha/yr)	
Zinc	217	12.09	mg/kg	12.09	0.37	15.00	2%
Copper	40.4	2.25	mg/kg	2.25	0.07	7.50	1%
Nickel	28.4	1.58	mg/kg	1.58	0.05	3.00	2%
Lead	30.3	1.69	mg/kg	1.69	0.05	15.00	0%
Cadmium	0.94	0.05	mg/kg	0.05	0.00	0.15	1%
Chromium	27.5	1.53	mg/kg	1.53	0.05	15.00	0%
Arsenic	18.1	1.01	mg/kg	1.01	0.03	0.70	4%
Mercury	0.73	0.04	mg/kg	0.04	0.00	0.10	1%
Other Elements							
Iron	199000	11084.30	mg/kg	11084.30	344		
Aluminium	10300	573.71	mg/kg	573.71	18		

DWR CYMRU WELSH WATER - LLECHRYD WTW

Analysis of liquid water clarification sludge

Sampling Point No: 100504
Sample ID: 8734197
Date: 25/03/2026

Application rate (t/ha)	**63.0**
Application rate (t/acre)	**25.5**
pH	**6.2**
Dry solids (%)	**5.57**

NUTRIENT CONTENT

				Total		Available	
	Dry Wt result	Wet Wt result	Units	(kg/t)	(kg/ha)	(kg/t)	(kg/ha)
Nitrogen (N)	0.747	0.04	%	0.4	26	0.0	3
Ammonium N	110	6.13	mg/kg	0.0	0		
Phosphorus (P)	4900	272.93	mg/kg	0.3	17		
Phosphate (P_2O_5)		0.00		0.6	39	0.1	8
Potassium (K)	818	45.56	mg/kg	0.0	3		
Potash (K_2O)		0.00		0.1	3	0.0	1
Magnesium (Mg)	2230	124.21	mg/kg	0.1	8		
Magnesium (MgO)		0.00		0.2	13	0.0	3
Sulphur (S)	2590	144.26	mg/kg	0.1	9		
Sulphur (SO_3)		0.00		0.4	23	0.0	2

POTENTIALLY TOXIC ELEMENTS

				Rate		Limit	% of Annual Addition Limit
	Dry Wt result	Wet Wt result	Units	(g/tonne)	(kg/ha)	(kg/ha/yr)	
Zinc	217	12.09	mg/kg	12.09	0.76	15.00	5%
Copper	40.4	2.25	mg/kg	2.25	0.14	7.50	2%
Nickel	28.4	1.58	mg/kg	1.58	0.10	3.00	3%
Lead	30.3	1.69	mg/kg	1.69	0.11	15.00	1%
Cadmium	0.94	0.05	mg/kg	0.05	0.00	0.15	2%
Chromium	27.5	1.53	mg/kg	1.53	0.10	15.00	1%
Arsenic	18.1	1.01	mg/kg	1.01	0.06	0.70	9%
Mercury	0.73	0.04	mg/kg	0.04	0.00	0.10	3%
Other Elements							
Iron	199000	11084.30	mg/kg	11084.30	698		
Aluminium	10300	573.71	mg/kg	573.71	36		

DWR CYMRU WELSH WATER - LLECHRYD WTW

Analysis of liquid water clarification sludge

Sampling Point No: 100504
Sample ID: 8734197
Date: 25/03/2026

Application rate (t/ha)	**100.0**
Application rate (t/acre)	**40.5**
pH	**6.2**
Dry solids (%)	**5.57**

NUTRIENT CONTENT

				Total		Available	
	Dry Wt result	Wet Wt result	Units	(kg/t)	(kg/ha)	(kg/t)	(kg/ha)
Nitrogen (N)	0.747	0.04	%	0.4	42	0.0	4
Ammonium N	110	6.13	mg/kg	0.0	1		
Phosphorus (P)	4900	272.93	mg/kg	0.3	27		
Phosphate (P_2O_5)		0.00		0.6	63	0.1	13
Potassium (K)	818	45.56	mg/kg	0.0	5		
Potash (K_2O)		0.00		0.1	5	0.0	1
Magnesium (Mg)	2230	124.21	mg/kg	0.1	12		
Magnesium (MgO)		0.00		0.2	21	0.0	4
Sulphur (S)	2590	144.26	mg/kg	0.1	14		
Sulphur (SO_3)		0.00		0.4	36	0.0	4

POTENTIALLY TOXIC ELEMENTS

				Rate		Limit	% of Annual Addition Limit
	Dry Wt result	Wet Wt result	Units	(g/tonne)	(kg/ha)	(kg/ha/yr)	
Zinc	217	12.09	mg/kg	12.09	1.21	15.00	8%
Copper	40.4	2.25	mg/kg	2.25	0.23	7.50	3%
Nickel	28.4	1.58	mg/kg	1.58	0.16	3.00	5%
Lead	30.3	1.69	mg/kg	1.69	0.17	15.00	1%
Cadmium	0.94	0.05	mg/kg	0.05	0.01	0.15	3%
Chromium	27.5	1.53	mg/kg	1.53	0.15	15.00	1%
Arsenic	18.1	1.01	mg/kg	1.01	0.10	0.70	14%
Mercury	0.73	0.04	mg/kg	0.04	0.00	0.10	4%
Other Elements							
Iron	199000	11084.30	mg/kg	11084.30	1108		
Aluminium	10300	573.71	mg/kg	573.71	57		

DWR CYMRU WELSH WATER - LLECHRYD WTW

Analysis of liquid water clarification sludge

Sampling Point No: 100504
Sample ID: 8734197
Date: 25/03/2026

Application rate (t/ha)	**127.0**
Application rate (t/acre)	**51.4**
pH	**6.2**
Dry solids (%)	**5.57**

NUTRIENT CONTENT

				Total		Available	
	Dry Wt result	Wet Wt result	Units	(kg/t)	(kg/ha)	(kg/t)	(kg/ha)
Nitrogen (N)	0.747	0.04	%	0.4	53	0.0	5
Ammonium N	110	6.13	mg/kg	0.0	1		
Phosphorus (P)	4900	272.93	mg/kg	0.3	35		
Phosphate (P_2O_5)		0.00		0.6	79	0.1	16
Potassium (K)	818	45.56	mg/kg	0.0	6		
Potash (K_2O)		0.00		0.1	7	0.0	1
Magnesium (Mg)	2230	124.21	mg/kg	0.1	16		
Magnesium (MgO)		0.00		0.2	26	0.0	5
Sulphur (S)	2590	144.26	mg/kg	0.1	18		
Sulphur (SO_3)		0.00		0.4	46	0.0	5

POTENTIALLY TOXIC ELEMENTS

				Rate		Limit	% of Annual Addition Limit
	Dry Wt result	Wet Wt result	Units	(g/tonne)	(kg/ha)	(kg/ha/yr)	
Zinc	217	12.09	mg/kg	12.09	1.54	15.00	10%
Copper	40.4	2.25	mg/kg	2.25	0.29	7.50	4%
Nickel	28.4	1.58	mg/kg	1.58	0.20	3.00	7%
Lead	30.3	1.69	mg/kg	1.69	0.21	15.00	1%
Cadmium	0.94	0.05	mg/kg	0.05	0.01	0.15	4%
Chromium	27.5	1.53	mg/kg	1.53	0.19	15.00	1%
Arsenic	18.1	1.01	mg/kg	1.01	0.13	0.70	18%
Mercury	0.73	0.04	mg/kg	0.04	0.01	0.10	5%
Other Elements							
Iron	199000	11084.30	mg/kg	11084.30	1408		
Aluminium	10300	573.71	mg/kg	573.71	73		

Dŵr Cymru
Welsh Water

SAMPLE ANALYSIS REPORT

SPT Number	SPT Description	Date Time Taken	Det Code	Det Description	Result Value	Result Qual	Units	Original Sample	PC
100504	LLECHRYD WTW SLUDGE TANKERING POINT	25/Mar/2026 12:04	238	Magnesium	2230		mg/kg	8734197	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	25/Mar/2026 12:04	288	Aluminium	10300		mg/kg	8734197	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	25/Mar/2026 12:04	357	Arsenic	18.1		mg/kg	8734197	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	25/Mar/2026 12:04	4620	pH	6.2		pH	8734197	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	25/Mar/2026 12:04	7774	Mercury	0.73	<	mg/kg	8734197	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	25/Mar/2026 12:04	8241	Volatile solids	38.3		%	8734197	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	25/Mar/2026 12:04	9233	Ammoniacal nitrogen	110	<	mg/kg	8734197	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	25/Mar/2026 12:04	9234	Sulphur	2590		mg/kg	8734197	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	25/Mar/2026 12:04	9271	Cadmium	0.94		mg/kg	8734197	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	25/Mar/2026 12:04	9272	Chromium	27.5		mg/kg	8734197	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	25/Mar/2026 12:04	9273	Copper	40.4		mg/kg	8734197	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	25/Mar/2026 12:04	9275	Nickel	28.4		mg/kg	8734197	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	25/Mar/2026 12:04	9276	Lead	30.3		mg/kg	8734197	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	25/Mar/2026 12:04	9277	Zinc	217		mg/kg	8734197	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	25/Mar/2026 12:04	9278	Iron	199000		mg/kg	8734197	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	25/Mar/2026 12:04	9281	% Dry solids	5.57		%	8734197	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	25/Mar/2026 12:04	9282	% Minerals	61.7		%	8734197	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	25/Mar/2026 12:04	9283	% K (dry weight)	0.0818		%	8734197	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	25/Mar/2026 12:04	9284	% P (dry weight)	0.49		%	8734197	ME
100504	LLECHRYD WTW SLUDGE TANKERING POINT	25/Mar/2026 12:04	9285	% N (dry weight)	0.747		%	8734197	ME

DWR CYMRU WELSH WATER - STRATA FLORIDA WTW

Analysis of liquid water clarification sludge

Sampling Point No: 100519
Sample ID: 8734195
Date: 25/03/2026

Application rate (t/ha)	**149.0**
Application rate (t/acre)	**60.3**
pH	**5.9**
Dry solids (%)	**2.11**

NUTRIENT CONTENT

				Total		Available	
	Dry Wt result	Wet Wt result	Units	(kg/t)	(kg/ha)	(kg/t)	(kg/ha)
Nitrogen (N)	1.18	0.02	%	0.2	37	0.0	4
Ammonium N	291	6.14	mg/kg	0.0	1		
Phosphorus (P)	5550	117.11	mg/kg	0.1	17		
Phosphate (P_2O_5)		0.00		0.3	40	0.1	8
Potassium (K)	826	17.43	mg/kg	0.0	3		
Potash (K_2O)		0.00		0.0	3	0.0	1
Magnesium (Mg)	361	7.62	mg/kg	0.0	1		
Magnesium (MgO)		0.00		0.0	2	0.0	0
Sulphur (S)	5900	124.49	mg/kg	0.1	19		
Sulphur (SO_3)		0.00		0.3	46	0.0	5

POTENTIALLY TOXIC ELEMENTS

				Rate		Limit	% of Annual Addition Limit
	Dry Wt result	Wet Wt result	Units	(g/tonne)	(kg/ha)	(kg/ha/yr)	
Zinc	117	2.47	mg/kg	2.47	0.37	15.00	2%
Copper	74.1	1.56	mg/kg	1.56	0.23	7.50	3%
Nickel	48.4	1.02	mg/kg	1.02	0.15	3.00	5%
Lead	58.9	1.24	mg/kg	1.24	0.19	15.00	1%
Cadmium	1.04	0.02	mg/kg	0.02	0.00	0.15	2%
Chromium	40.8	0.86	mg/kg	0.86	0.13	15.00	1%
Arsenic	41.3	0.87	mg/kg	0.87	0.13	0.70	19%
Mercury	1.91	0.04	mg/kg	0.04	0.01	0.10	6%
Other Elements							
Iron	25200	531.72	mg/kg	531.72	79		
Aluminium	152000	3207.20	mg/kg	3207.20	478		

Dŵr Cymru Welsh Water

SAMPLE ANALYSIS REPORTS

SPT Number	SPT Description	Date Time Taken	Det Code	Det Description	Result Value	Result Qual	Units	Original Sample	PC
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:03	238	Magnesium	361	<	mg/kg	8734195	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:03	288	Aluminium	152000		mg/kg	8734195	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:03	357	Arsenic	41.3		mg/kg	8734195	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:03	4620	pH	5.9		pH	8734195	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:03	7774	Mercury	1.91	<	mg/kg	8734195	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:03	8241	Volatile solids	59.6		%	8734195	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:03	9233	Ammoniacal nitrogen	291	<	mg/kg	8734195	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:03	9234	Sulphur	5900		mg/kg	8734195	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:03	9271	Cadmium	1.04	<	mg/kg	8734195	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:03	9272	Chromium	40.8	<	mg/kg	8734195	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:03	9273	Copper	74.1	<	mg/kg	8734195	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:03	9275	Nickel	48.4	<	mg/kg	8734195	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:03	9276	Lead	58.9	<	mg/kg	8734195	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:03	9277	Zinc	117	<	mg/kg	8734195	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:03	9278	Iron	25200		mg/kg	8734195	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:03	9281	% Dry solids	2.11		%	8734195	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:03	9282	% Minerals	40.4		%	8734195	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:03	9283	% K (dry weight)	0.0826	<	%	8734195	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:03	9284	% P (dry weight)	0.555	<	%	8734195	ME
100519	STRATA FLORIDA WTW SLUDGE TANKERING POINT	25/Mar/2026 12:03	9285	% N (dry weight)	1.18		%	8734195	ME