Waste Interpretations – Henllys 2026

DCWW

Analysis of Bryn Cowlyd sludge

Date: 12/12/2025 Sample no. 8630910

Application rate (t/ha)	**250**
Application rate (t/acre)	**100.0**
pH	**5.9**
Dry solids (%)	**3.5**
Organic matter (%)	**34.3**

NUTRIENT CONTENT

			Total		Available	
TOTALS	**result**	**units**	**(kg/tonne)**	**(kg/ha)**	**(kg/tonne)**	**(kg/ha)**
Nitrogen (N)	0.58	%	0.20	50.6	0.01	1.5
Ammonium-N	176	mg/kg	0.01	1.5		
Phosphorus (P)	0.34	%	0.12	29.3		
Phosphate (P_2O_5)			0.27	66.9	0.1	33.4
Potassium (K)	0.05	%	0.02	4.4		
Potash (K_2O)			0.02	5.2	0.0	4.7
Magnesium (Mg)	341	mg/kg	0.01	3.0		
Magnesium (MgO)			0.02	4.7	0.0	1.2
Sulphur (S)	5470	mg/kg	0.19	47.5		
Sulphur (SO_3)			0.47	118.6	0.0	11.9
Calcium (Ca)		mg/kg	0.0	0.0		

POTENTIALLY TOXIC ELEMENTS

			Amount		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	249.0	mg/kg	8.6	2.16	15.00
Copper	45.1	mg/kg	1.56	0.39	7.50
Nickel	31.7	mg/kg	1.10	0.27	3.00
Lead	35.9	mg/kg	1.25	0.31	15.00
Cadmium	0.64	mg/kg	0.02	0.01	0.15
Chromium	24.9	mg/kg	0.86	0.22	15.00
Mercury	0.6	mg/kg	0.02	0.01	0.10
Arsenic	21.5	mg/kg	0.75	0.19	0.70
Aluminium	2820	mg/kg	98	24.5	
Iron	424000	mg/kg	14713	3678.2	

DCWW

Analysis of Bala sludge

Date: 28/04/2025 Sample no. 8358319

Application rate (t/ha)	**250**
Application rate (t/acre)	**100.0**
pH	**6.9**
Dry solids (%)	**2.4**
Organic matter (%)	**50.8**

NUTRIENT CONTENT

			Total		Available	
TOTALS	**result**	**units**	**(kg/tonne)**	**(kg/ha)**	**(kg/tonne)**	**(kg/ha)**
Nitrogen (N)	1.17	%	0.28	69.9	0.01	1.5
Ammonium-N	256	mg/kg	0.01	1.5		
Phosphorus (P)	0.05	%	0.01	3.0		
Phosphate (P_2O_5)			0.03	6.7	0.0	3.4
Potassium (K)	0.01	%	0.00	0.5		
Potash (K_2O)			0.00	0.6	0.0	0.6
Magnesium (Mg)	1820	mg/kg	0.04	10.9		
Magnesium (MgO)			0.07	17.4	0.0	4.3
Sulphur (S)	4670	mg/kg	0.11	27.9		
Sulphur (SO_3)			0.28	69.8	0.0	7.0
Calcium (Ca)		mg/kg	0.0	0.0		

POTENTIALLY TOXIC ELEMENTS

			Amount		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	162.0	mg/kg	3.9	0.97	15.00
Copper	26.0	mg/kg	0.62	0.16	7.50
Nickel	3.6	mg/kg	0.09	0.02	3.00
Lead	5.4	mg/kg	0.13	0.03	15.00
Cadmium	0.51	mg/kg	0.01	0.00	0.15
Chromium	2.8	mg/kg	0.07	0.02	15.00
Mercury	1.7	mg/kg	0.04	0.01	0.10
Arsenic	12.5	mg/kg	0.30	0.07	0.70
Aluminium	181000	mg/kg	4326	1081.5	
Iron	6200	mg/kg	148	37.0	

DCWW

Analysis of Cefni sludge

Date: 11/11/2025 Sample no.8591164

Application rate (t/ha)	**250**
Application rate (t/acre)	**100.0**
pH	**6.8**
Dry solids (%)	**2.9**
Organic matter (%)	**37.0**

NUTRIENT CONTENT

			Total		Available	
TOTALS	**result**	**units**	**(kg/tonne)**	**(kg/ha)**	**(kg/tonne)**	**(kg/ha)**
Nitrogen (N)	1.06	%	0.31	77.4	0.01	3.2
Ammonium-N	434	mg/kg	0.01	3.2		
Phosphorus (P)	0.40	%	0.12	29.4		
Phosphate (P_2O_5)			0.27	67.1	0.1	33.5
Potassium (K)	0.06	%	0.02	4.4		
Potash (K_2O)			0.02	5.3	0.0	4.7
Magnesium (Mg)	675	mg/kg	0.02	4.9		
Magnesium (MgO)			0.03	7.9	0.0	2.0
Sulphur (S)	15200	mg/kg	0.44	111.0		
Sulphur (SO_3)			1.11	277.4	0.1	27.7
Calcium (Ca)		mg/kg	0.0	0.0		

POTENTIALLY TOXIC ELEMENTS

			Amount		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	84.9	mg/kg	2.5	0.62	15.00
Copper	53.9	mg/kg	1.57	0.39	7.50
Nickel	35.2	mg/kg	1.03	0.26	3.00
Lead	42.8	mg/kg	1.25	0.31	15.00
Cadmium	0.76	mg/kg	0.02	0.01	0.15
Chromium	29.7	mg/kg	0.87	0.22	15.00
Mercury	0.7	mg/kg	0.02	0.01	0.10
Arsenic	17.5	mg/kg	0.51	0.13	0.70
Aluminium	712000	mg/kg	20790	5197.6	
Iron	5070	mg/kg	148	37.0	

DCWW

Analysis of Cwellyn sludge

Date: 11/11/2025 Sample no. 8591154

Application rate (t/ha)	**250**
Application rate (t/acre)	**100.0**
pH	**6.8**
Dry solids (%)	**3.5**
Organic matter (%)	**48.5**

NUTRIENT CONTENT

			Total		Available	
TOTALS	**result**	**units**	**(kg/tonne)**	**(kg/ha)**	**(kg/tonne)**	**(kg/ha)**
Nitrogen (N)	1.47	%	0.52	129.4	0.01	2.7
Ammonium-N	310	mg/kg	0.01	2.7		
Phosphorus (P)	0.34	%	0.12	29.7		
Phosphate (P_2O_5)			0.27	67.8	0.1	33.9
Potassium (K)	0.05	%	0.02	4.4		
Potash (K_2O)			0.02	5.3	0.0	4.8
Magnesium (Mg)	589	mg/kg	0.02	5.2		
Magnesium (MgO)			0.03	8.3	0.0	2.1
Sulphur (S)	7590	mg/kg	0.27	66.8		
Sulphur (SO_3)			0.67	167.0	0.1	16.7
Calcium (Ca)		mg/kg	0.0	0.0		

POTENTIALLY TOXIC ELEMENTS

			Amount		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	226.0	mg/kg	8.0	1.99	15.00
Copper	76.2	mg/kg	2.68	0.67	7.50
Nickel	32.3	mg/kg	1.14	0.28	3.00
Lead	35.9	mg/kg	1.26	0.32	15.00
Cadmium	0.87	mg/kg	0.03	0.01	0.15
Chromium	24.9	mg/kg	0.88	0.22	15.00
Mercury	0.6	mg/kg	0.02	0.01	0.10
Arsenic	28.4	mg/kg	1.00	0.25	0.70
Aluminium	848000	mg/kg	29850	7462.4	
Iron	7290	mg/kg	257	64.2	

DCWW

Analysis of Dolbenmaen sludge

Date: 11/11/2025 Sample no. 8591156

Application rate (t/ha)	**250**
Application rate (t/acre)	**100.0**
pH	**7.0**
Dry solids (%)	**3.3**
Organic matter (%)	**39.1**

NUTRIENT CONTENT

			Total		Available	
TOTALS	**result**	**units**	**(kg/tonne)**	**(kg/ha)**	**(kg/tonne)**	**(kg/ha)**
Nitrogen (N)	1.12	%	0.37	92.4	0.01	3.2
Ammonium-N	384	mg/kg	0.01	3.2		
Phosphorus (P)	0.35	%	0.12	29.1		
Phosphate (P_2O_5)			0.27	66.4	0.1	33.2
Potassium (K)	0.05	%	0.02	4.3		
Potash (K_2O)			0.02	5.2	0.0	4.7
Magnesium (Mg)	321	mg/kg	0.01	2.6		
Magnesium (MgO)			0.02	4.2	0.0	1.1
Sulphur (S)	9490	mg/kg	0.31	78.3		
Sulphur (SO_3)			0.78	195.7	0.1	19.6
Calcium (Ca)		mg/kg	0.0	0.0		

POTENTIALLY TOXIC ELEMENTS

			Amount		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	319.0	mg/kg	10.5	2.63	15.00
Copper	47.1	mg/kg	1.55	0.39	7.50
Nickel	30.8	mg/kg	1.02	0.25	3.00
Lead	37.4	mg/kg	1.23	0.31	15.00
Cadmium	2.26	mg/kg	0.07	0.02	0.15
Chromium	26.0	mg/kg	0.86	0.21	15.00
Mercury	0.6	mg/kg	0.02	0.00	0.10
Arsenic	21.3	mg/kg	0.70	0.18	0.70
Aluminium	122000	mg/kg	4026	1006.5	
Iron	37	mg/kg	1	0.3	

DCWW

Analysis of Gwastadgoed sludge

Date: 11/11/2025 Sample no.8591160

Application rate (t/ha)	**250**
Application rate (t/acre)	**100.0**
pH	**6.3**
Dry solids (%)	**4.0**
Organic matter (%)	**27.7**

NUTRIENT CONTENT

			Total		Available	
TOTALS	**result**	**units**	**(kg/tonne)**	**(kg/ha)**	**(kg/tonne)**	**(kg/ha)**
Nitrogen (N)	0.59	%	0.24	59.1	0.01	1.5
Ammonium-N	149.2	mg/kg	0.01	1.5		
Phosphorus (P)	0.29	%	0.11	28.6		
Phosphate (P_2O_5)			0.26	65.1	0.1	32.6
Potassium (K)	0.04	%	0.02	4.3		
Potash (K_2O)			0.02	5.1	0.0	4.6
Magnesium (Mg)	360	mg/kg	0.01	3.6		
Magnesium (MgO)			0.02	5.8	0.0	1.4
Sulphur (S)	5590	mg/kg	0.22	56.0		
Sulphur (SO_3)			0.56	140.1	0.1	14.0
Calcium (Ca)		mg/kg	0.0	0.0		

POTENTIALLY TOXIC ELEMENTS

			Amount		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	249.0	mg/kg	10.0	2.50	15.00
Copper	38.1	mg/kg	1.53	0.38	7.50
Nickel	62.1	mg/kg	2.49	0.62	3.00
Lead	30.3	mg/kg	1.22	0.30	15.00
Cadmium	0.63	mg/kg	0.03	0.01	0.15
Chromium	21.0	mg/kg	0.84	0.21	15.00
Mercury	0.5	mg/kg	0.02	0.00	0.10
Arsenic	17.0	mg/kg	0.68	0.17	0.70
Aluminium	3360	mg/kg	135	33.7	
Iron	209000	mg/kg	8381	2095.2	

DCWW

Analysis of Mynydd Llandegai sludge

Date: 11/11/2025 Sample no. 8591162

Application rate (t/ha)	**250**
Application rate (t/acre)	**100.0**
pH	**7.0**
Dry solids (%)	**4.0**
Organic matter (%)	**50.1**

NUTRIENT CONTENT

			Total		Available	
TOTALS	**result**	**units**	**(kg/tonne)**	**(kg/ha)**	**(kg/tonne)**	**(kg/ha)**
Nitrogen (N)	1.06	%	0.43	106.3	0.01	1.5
Ammonium-N	151.4	mg/kg	0.01	1.5		
Phosphorus (P)	0.36	%	0.15	36.3		
Phosphate (P_2O_5)			0.33	82.7	0.2	41.4
Potassium (K)	0.04	%	0.02	4.3		
Potash (K_2O)			0.02	5.2	0.0	4.7
Magnesium (Mg)	587	mg/kg	0.02	5.9		
Magnesium (MgO)			0.04	9.4	0.0	2.4
Sulphur (S)	6070	mg/kg	0.24	60.9		
Sulphur (SO_3)			0.61	152.1	0.1	15.2
Calcium (Ca)		mg/kg	0.0	0.0		

POTENTIALLY TOXIC ELEMENTS

			Amount		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	125.0	mg/kg	5.0	1.25	15.00
Copper	88.2	mg/kg	3.54	0.88	7.50
Nickel	25.3	mg/kg	1.01	0.25	3.00
Lead	30.8	mg/kg	1.24	0.31	15.00
Cadmium	0.61	mg/kg	0.02	0.01	0.15
Chromium	21.4	mg/kg	0.86	0.21	15.00
Mercury	0.5	mg/kg	0.02	0.01	0.10
Arsenic	21.2	mg/kg	0.85	0.21	0.70
Aluminium	922000	mg/kg	36972	9243.1	
Iron	4290	mg/kg	172	43.0	

DCWW

Analysis of Mynydd Llandegai sludge

Date: 11/11/2025 Sample no. 8591162

Application rate (t/ha)	**226**
Application rate (t/acre)	**90.4**
pH	**7.0**
Dry solids (%)	**4.0**
Organic matter (%)	**50.1**

NUTRIENT CONTENT

			Total		Available	
TOTALS	**result**	**units**	**(kg/tonne)**	**(kg/ha)**	**(kg/tonne)**	**(kg/ha)**
Nitrogen (N)	1.06	%	0.43	96.1	0.01	1.4
Ammonium-N	151.4	mg/kg	0.01	1.4		
Phosphorus (P)	0.36	%	0.15	32.8		
Phosphate (P_2O_5)			0.33	74.8	0.2	37.4
Potassium (K)	0.04	%	0.02	3.9		
Potash (K_2O)			0.02	4.7	0.0	4.2
Magnesium (Mg)	587	mg/kg	0.02	5.3		
Magnesium (MgO)			0.04	8.5	0.0	2.1
Sulphur (S)	6070	mg/kg	0.24	55.0		
Sulphur (SO_3)			0.61	137.5	0.1	13.8
Calcium (Ca)		mg/kg	0.0	0.0		

POTENTIALLY TOXIC ELEMENTS

			Amount		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	125.0	mg/kg	5.0	1.13	15.00
Copper	88.2	mg/kg	3.54	0.80	7.50
Nickel	25.3	mg/kg	1.01	0.23	3.00
Lead	30.8	mg/kg	1.24	0.28	15.00
Cadmium	0.61	mg/kg	0.02	0.01	0.15
Chromium	21.4	mg/kg	0.86	0.19	15.00
Mercury	0.5	mg/kg	0.02	0.00	0.10
Arsenic	21.2	mg/kg	0.85	0.19	0.70
Aluminium	922000	mg/kg	36972	8355.7	
Iron	4290	mg/kg	172	38.9	

DCWW

Analysis of Llyn Conwy sludge

Date: 12/12/2025 Sample no. 8630914

Application rate (t/ha)	**250**
Application rate (t/acre)	**100.0**
pH	**5.8**
Dry solids (%)	**4.9**
Organic matter (%)	**36.5**

NUTRIENT CONTENT

			Total		Available	
TOTALS	**result**	**units**	**(kg/tonne)**	**(kg/ha)**	**(kg/tonne)**	**(kg/ha)**
Nitrogen (N)	0.60	%	0.29	72.7	0.01	1.5
Ammonium-N	126	mg/kg	0.01	1.5		
Phosphorus (P)	0.61	%	0.30	74.5		
Phosphate (P_2O_5)			0.68	169.7	0.3	84.9
Potassium (K)	0.09	%	0.04	11.1		
Potash (K_2O)			0.05	13.3	0.0	12.0
Magnesium (Mg)	396	mg/kg	0.02	4.8		
Magnesium (MgO)			0.03	7.7	0.0	1.9
Sulphur (S)	5990	mg/kg	0.29	73.2		
Sulphur (SO_3)			0.73	183.1	0.1	18.3
Calcium (Ca)		mg/kg	0.0	0.0		

POTENTIALLY TOXIC ELEMENTS

			Amount		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	317.0	mg/kg	15.5	3.88	15.00
Copper	81.4	mg/kg	3.98	1.00	7.50
Nickel	53.2	mg/kg	2.60	0.65	3.00
Lead	64.7	mg/kg	3.16	0.79	15.00
Cadmium	1.15	mg/kg	0.06	0.01	0.15
Chromium	44.9	mg/kg	2.20	0.55	15.00
Mercury	0.4	mg/kg	0.02	0.01	0.10
Arsenic	27.9	mg/kg	1.36	0.34	0.70
Aluminium	3090	mg/kg	151	37.8	
Iron	437000	mg/kg	21369	5342.3	

DCWW

Analysis of Llyn Conwy sludge

Date: 12/12/2025 Sample no. 8630914

Application rate (t/ha)	**110**
Application rate (t/acre)	**44.0**
pH	**5.8**
Dry solids (%)	**4.9**
Organic matter (%)	**36.5**

NUTRIENT CONTENT

			Total		Available	
TOTALS	**result**	**units**	**(kg/tonne)**	**(kg/ha)**	**(kg/tonne)**	**(kg/ha)**
Nitrogen (N)	0.60	%	0.29	32.0	0.01	0.7
Ammonium-N	126	mg/kg	0.01	0.7		
Phosphorus (P)	0.61	%	0.30	32.8		
Phosphate (P_2O_5)			0.68	74.7	0.3	37.3
Potassium (K)	0.09	%	0.04	4.9		
Potash (K_2O)			0.05	5.9	0.0	5.3
Magnesium (Mg)	396	mg/kg	0.02	2.1		
Magnesium (MgO)			0.03	3.4	0.0	0.9
Sulphur (S)	5990	mg/kg	0.29	32.2		
Sulphur (SO_3)			0.73	80.6	0.1	8.1
Calcium (Ca)		mg/kg	0.0	0.0		

POTENTIALLY TOXIC ELEMENTS

			Amount		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	317.0	mg/kg	15.5	1.71	15.00
Copper	81.4	mg/kg	3.98	0.44	7.50
Nickel	53.2	mg/kg	2.60	0.29	3.00
Lead	64.7	mg/kg	3.16	0.35	15.00
Cadmium	1.15	mg/kg	0.06	0.01	0.15
Chromium	44.9	mg/kg	2.20	0.24	15.00
Mercury	0.4	mg/kg	0.02	0.00	0.10
Arsenic	27.9	mg/kg	1.36	0.15	0.70
Aluminium	3090	mg/kg	151	16.6	
Iron	437000	mg/kg	21369	2350.6	

DCWW

Analysis of Penybont sludge

Date: 11/11/2025 Sample no. 8591150

Application rate (t/ha)	**250**
Application rate (t/acre)	**100.0**
pH	**6.8**
Dry solids (%)	**2.8**
Organic matter (%)	**40.6**

NUTRIENT CONTENT

			Total		Available	
TOTALS	**result**	**units**	**(kg/tonne)**	**(kg/ha)**	**(kg/tonne)**	**(kg/ha)**
Nitrogen (N)	0.80	%	0.23	56.8	0.01	1.5
Ammonium-N	214.4	mg/kg	0.01	1.5		
Phosphorus (P)	0.50	%	0.14	35.4		
Phosphate (P_2O_5)			0.32	80.6	0.2	40.3
Potassium (K)	0.06	%	0.02	4.3		
Potash (K_2O)			0.02	5.2	0.0	4.7
Magnesium (Mg)	1190	mg/kg	0.03	8.4		
Magnesium (MgO)			0.05	13.5	0.0	3.4
Sulphur (S)	10200	mg/kg	0.29	72.4		
Sulphur (SO_3)			0.72	181.1	0.1	18.1
Calcium (Ca)		mg/kg	0.0	0.0		

POTENTIALLY TOXIC ELEMENTS

			Amount		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	121.0	mg/kg	3.4	0.86	15.00
Copper	54.7	mg/kg	1.55	0.39	7.50
Nickel	35.8	mg/kg	1.02	0.25	3.00
Lead	43.5	mg/kg	1.24	0.31	15.00
Cadmium	0.77	mg/kg	0.02	0.01	0.15
Chromium	30.2	mg/kg	0.86	0.21	15.00
Mercury	0.7	mg/kg	0.02	0.00	0.10
Arsenic	40.4	mg/kg	1.15	0.29	0.70
Aluminium	107000	mg/kg	3039	759.7	
Iron	12100	mg/kg	344	85.9	

DCWW

Analysis of Penybont sludge

Date: 11/11/2025 Sample no. 8591150

Application rate (t/ha)	**232**
Application rate (t/acre)	**92.8**
pH	**6.8**
Dry solids (%)	**2.8**
Organic matter (%)	**40.6**

NUTRIENT CONTENT

			Total		Available	
TOTALS	**result**	**units**	**(kg/tonne)**	**(kg/ha)**	**(kg/tonne)**	**(kg/ha)**
Nitrogen (N)	0.80	%	0.23	52.7	0.01	1.4
Ammonium-N	214.4	mg/kg	0.01	1.4		
Phosphorus (P)	0.50	%	0.14	32.8		
Phosphate (P_2O_5)			0.32	74.8	0.2	37.4
Potassium (K)	0.06	%	0.02	4.0		
Potash (K_2O)			0.02	4.8	0.0	4.3
Magnesium (Mg)	1190	mg/kg	0.03	7.8		
Magnesium (MgO)			0.05	12.5	0.0	3.1
Sulphur (S)	10200	mg/kg	0.29	67.2		
Sulphur (SO_3)			0.72	168.0	0.1	16.8
Calcium (Ca)		mg/kg	0.0	0.0		

POTENTIALLY TOXIC ELEMENTS

			Amount		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	121.0	mg/kg	3.4	0.80	15.00
Copper	54.7	mg/kg	1.55	0.36	7.50
Nickel	35.8	mg/kg	1.02	0.24	3.00
Lead	43.5	mg/kg	1.24	0.29	15.00
Cadmium	0.77	mg/kg	0.02	0.01	0.15
Chromium	30.2	mg/kg	0.86	0.20	15.00
Mercury	0.7	mg/kg	0.02	0.00	0.10
Arsenic	40.4	mg/kg	1.15	0.27	0.70
Aluminium	107000	mg/kg	3039	705.0	
Iron	12100	mg/kg	344	79.7	

DCWW

Analysis of Rhiwgoch sludge

Date: 11/11/2025 Sample no. 8591148

Application rate (t/ha)	**250**
Application rate (t/acre)	**100.0**
pH	**5.7**
Dry solids (%)	**4.4**
Organic matter (%)	**34.9**

NUTRIENT CONTENT

			Total		Available	
TOTALS	**result**	**units**	**(kg/tonne)**	**(kg/ha)**	**(kg/tonne)**	**(kg/ha)**
Nitrogen (N)	0.58	%	0.25	63.3	0.01	1.5
Ammonium-N	139.1	mg/kg	0.01	1.5		
Phosphorus (P)	0.58	%	0.25	63.3		
Phosphate (P_2O_5)			0.58	144.4	0.3	72.2
Potassium (K)	0.04	%	0.02	4.4		
Potash (K_2O)			0.02	5.2	0.0	4.7
Magnesium (Mg)	174	mg/kg	0.01	1.9		
Magnesium (MgO)			0.01	3.1	0.0	0.8
Sulphur (S)	7960	mg/kg	0.35	87.4		
Sulphur (SO_3)			0.87	218.4	0.1	21.8
Calcium (Ca)		mg/kg	0.0	0.0		

POTENTIALLY TOXIC ELEMENTS

			Amount		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	185.0	mg/kg	8.1	2.03	15.00
Copper	35.7	mg/kg	1.57	0.39	7.50
Nickel	23.3	mg/kg	1.02	0.26	3.00
Lead	28.4	mg/kg	1.25	0.31	15.00
Cadmium	0.50	mg/kg	0.02	0.01	0.15
Chromium	19.7	mg/kg	0.86	0.22	15.00
Mercury	0.5	mg/kg	0.02	0.01	0.10
Arsenic	8.6	mg/kg	0.38	0.09	0.70
Aluminium	5170	mg/kg	227	56.7	
Iron	207000	mg/kg	9087	2271.8	

DCWW

Analysis of Rhiwgoch sludge

Date: 11/11/2025 Sample no. 8591148

Application rate (t/ha)	**129**
Application rate (t/acre)	**51.6**
pH	**5.7**
Dry solids (%)	**4.4**
Organic matter (%)	**34.9**

NUTRIENT CONTENT

			Total		Available	
TOTALS	**result**	**units**	**(kg/tonne)**	**(kg/ha)**	**(kg/tonne)**	**(kg/ha)**
Nitrogen (N)	0.58	%	0.25	32.7	0.01	0.8
Ammonium-N	139.1	mg/kg	0.01	0.8		
Phosphorus (P)	0.58	%	0.25	32.7		
Phosphate (P_2O_5)			0.58	74.5	0.3	37.3
Potassium (K)	0.04	%	0.02	2.3		
Potash (K_2O)			0.02	2.7	0.0	2.4
Magnesium (Mg)	174	mg/kg	0.01	1.0		
Magnesium (MgO)			0.01	1.6	0.0	0.4
Sulphur (S)	7960	mg/kg	0.35	45.1		
Sulphur (SO_3)			0.87	112.7	0.1	11.3
Calcium (Ca)		mg/kg	0.0	0.0		

POTENTIALLY TOXIC ELEMENTS

			Amount		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	185.0	mg/kg	8.1	1.05	15.00
Copper	35.7	mg/kg	1.57	0.20	7.50
Nickel	23.3	mg/kg	1.02	0.13	3.00
Lead	28.4	mg/kg	1.25	0.16	15.00
Cadmium	0.50	mg/kg	0.02	0.00	0.15
Chromium	19.7	mg/kg	0.86	0.11	15.00
Mercury	0.5	mg/kg	0.02	0.00	0.10
Arsenic	8.6	mg/kg	0.38	0.05	0.70
Aluminium	5170	mg/kg	227	29.3	
Iron	207000	mg/kg	9087	1172.3	