Waste Interpretations – Bryn Drofa & Plas Newydd 2026

DCWW

Analysis of Alaw sludge cake

Date: 28/11/2025 Sample no. 8613416

Application rate (t/ha)	**56**
Application rate (t/acre)	**22.4**
pH	**6.8**
Dry solids (%)	**11.3**
Organic matter (%)	**43.1**

NUTRIENT CONTENT

			Total		Available	
TOTALS	**result**	**units**	**(kg/tonne)**	**(kg/ha)**	**(kg/tonne)**	**(kg/ha)**
Nitrogen (N)	1.53	%	1.73	96.8	0.0651	3.6
Ammonium-N	576	mg/kg	0.07	3.6		
Phosphorus (P)	0.26	%	0.29	16.5		
Phosphate (P_2O_5)			0.67	37.5	0.3	18.8
Potassium (K)	0.04	%	0.05	2.8		
Potash (K_2O)			0.06	3.3	0.1	3.0
Magnesium (Mg)	463	mg/kg	0.05	2.9		
Magnesium (MgO)			0.08	4.7	0.0	1.2
Sulphur (S)	9560	mg/kg	1.08	60.5		
Sulphur (SO_3)			2.70	151.2	0.3	15.1
Calcium (Ca)		mg/kg	0.0	0.0		

POTENTIALLY TOXIC ELEMENTS

			Amount		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	54.7	mg/kg	6.2	0.35	15.00
Copper	34.7	mg/kg	3.92	0.22	7.50
Nickel	22.7	mg/kg	2.57	0.14	3.00
Lead	27.6	mg/kg	3.12	0.17	15.00
Cadmium	0.49	mg/kg	0.06	0.00	0.15
Chromium	19.1	mg/kg	2.16	0.12	15.00
Mercury	0.4	mg/kg	0.05	0.00	0.10
Arsenic	11.3	mg/kg	1.28	0.07	0.70
Aluminium	186000	mg/kg	21018	1177.0	
Iron	7510	mg/kg	849	47.5	

DCWW

Analysis of Alaw sludge cake

Date: 28/11/2025 Sample no. 8613416

Application rate (t/ha)	**112**
Application rate (t/acre)	**44.8**
pH	**6.8**
Dry solids (%)	**11.3**
Organic matter (%)	**43.1**

NUTRIENT CONTENT

			Total		Available	
TOTALS	**result**	**units**	**(kg/tonne)**	**(kg/ha)**	**(kg/tonne)**	**(kg/ha)**
Nitrogen (N)	1.53	%	1.73	193.6	0.0651	7.3
Ammonium-N	576	mg/kg	0.07	7.3		
Phosphorus (P)	0.26	%	0.29	32.9		
Phosphate (P_2O_5)			0.67	75.0	0.3	37.5
Potassium (K)	0.04	%	0.05	5.5		
Potash (K_2O)			0.06	6.6	0.1	6.0
Magnesium (Mg)	463	mg/kg	0.05	5.9		
Magnesium (MgO)			0.08	9.4	0.0	2.3
Sulphur (S)	9560	mg/kg	1.08	121.0		
Sulphur (SO_3)			2.70	302.5	0.3	30.2
Calcium (Ca)		mg/kg	0.0	0.0		

POTENTIALLY TOXIC ELEMENTS

			Amount		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	54.7	mg/kg	6.2	0.69	15.00
Copper	34.7	mg/kg	3.92	0.44	7.50
Nickel	22.7	mg/kg	2.57	0.29	3.00
Lead	27.6	mg/kg	3.12	0.35	15.00
Cadmium	0.49	mg/kg	0.06	0.01	0.15
Chromium	19.1	mg/kg	2.16	0.24	15.00
Mercury	0.4	mg/kg	0.05	0.01	0.10
Arsenic	11.3	mg/kg	1.28	0.14	0.70
Aluminium	186000	mg/kg	21018	2354.0	
Iron	7510	mg/kg	849	95.0	

DCWW

Analysis of Cefni sludge

Date: 11/11/2025 Sample no.8591164

Application rate (t/ha)	**139**
Application rate (t/acre)	**55.6**
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	43.0	0.01	1.8
Ammonium-N	434	mg/kg	0.01	1.8		
Phosphorus (P)	0.40	%	0.12	16.4		
Phosphate (P_2O_5)			0.27	37.3	0.1	18.6
Potassium (K)	0.06	%	0.02	2.4		
Potash (K_2O)			0.02	2.9	0.0	2.6
Magnesium (Mg)	675	mg/kg	0.02	2.7		
Magnesium (MgO)			0.03	4.4	0.0	1.1
Sulphur (S)	15200	mg/kg	0.44	61.7		
Sulphur (SO_3)			1.11	154.2	0.1	15.4
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	0.34	15.00
Copper	53.9	mg/kg	1.57	0.22	7.50
Nickel	35.2	mg/kg	1.03	0.14	3.00
Lead	42.8	mg/kg	1.25	0.17	15.00
Cadmium	0.76	mg/kg	0.02	0.00	0.15
Chromium	29.7	mg/kg	0.87	0.12	15.00
Mercury	0.7	mg/kg	0.02	0.00	0.10
Arsenic	17.5	mg/kg	0.51	0.07	0.70
Aluminium	712000	mg/kg	20790	2889.9	
Iron	5070	mg/kg	148	20.6	

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)	**138**
Application rate (t/acre)	**55.2**
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	71.4	0.01	1.5
Ammonium-N	310	mg/kg	0.01	1.5		
Phosphorus (P)	0.34	%	0.12	16.4		
Phosphate (P_2O_5)			0.27	37.4	0.1	18.7
Potassium (K)	0.05	%	0.02	2.4		
Potash (K_2O)			0.02	2.9	0.0	2.6
Magnesium (Mg)	589	mg/kg	0.02	2.9		
Magnesium (MgO)			0.03	4.6	0.0	1.1
Sulphur (S)	7590	mg/kg	0.27	36.9		
Sulphur (SO_3)			0.67	92.2	0.1	9.2
Calcium (Ca)		mg/kg	0.0	0.0		

POTENTIALLY TOXIC ELEMENTS

			Amount		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	226.0	mg/kg	8.0	1.10	15.00
Copper	76.2	mg/kg	2.68	0.37	7.50
Nickel	32.3	mg/kg	1.14	0.16	3.00
Lead	35.9	mg/kg	1.26	0.17	15.00
Cadmium	0.87	mg/kg	0.03	0.00	0.15
Chromium	24.9	mg/kg	0.88	0.12	15.00
Mercury	0.6	mg/kg	0.02	0.00	0.10
Arsenic	28.4	mg/kg	1.00	0.14	0.70
Aluminium	848000	mg/kg	29850	4119.2	
Iron	7290	mg/kg	257	35.4	

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)	**141**
Application rate (t/acre)	**56.4**
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	52.1	0.01	1.8
Ammonium-N	384	mg/kg	0.01	1.8		
Phosphorus (P)	0.35	%	0.12	16.4		
Phosphate (P_2O_5)			0.27	37.4	0.1	18.7
Potassium (K)	0.05	%	0.02	2.4		
Potash (K_2O)			0.02	2.9	0.0	2.6
Magnesium (Mg)	321	mg/kg	0.01	1.5		
Magnesium (MgO)			0.02	2.4	0.0	0.6
Sulphur (S)	9490	mg/kg	0.31	44.2		
Sulphur (SO_3)			0.78	110.4	0.1	11.0
Calcium (Ca)		mg/kg	0.0	0.0		

POTENTIALLY TOXIC ELEMENTS

			Amount		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	319.0	mg/kg	10.5	1.48	15.00
Copper	47.1	mg/kg	1.55	0.22	7.50
Nickel	30.8	mg/kg	1.02	0.14	3.00
Lead	37.4	mg/kg	1.23	0.17	15.00
Cadmium	2.26	mg/kg	0.07	0.01	0.15
Chromium	26.0	mg/kg	0.86	0.12	15.00
Mercury	0.6	mg/kg	0.02	0.00	0.10
Arsenic	21.3	mg/kg	0.70	0.10	0.70
Aluminium	122000	mg/kg	4026	567.7	
Iron	37	mg/kg	1	0.2	

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 Garreglwyd sludge

Date: 11/11/2025 Sample no. 8591146

Application rate (t/ha)	**141**
Application rate (t/acre)	**56.4**
pH	**6.4**
Dry solids (%)	**6.2**
Organic matter (%)	**35.2**

NUTRIENT CONTENT

			Total		Available	
TOTALS	**result**	**units**	**(kg/tonne)**	**(kg/ha)**	**(kg/tonne)**	**(kg/ha)**
Nitrogen (N)	0.77	%	0.48	67.1	0.01	0.9
Ammonium-N	97.9	mg/kg	0.01	0.9		
Phosphorus (P)	0.19	%	0.12	16.5		
Phosphate (P_2O_5)			0.27	37.5	0.1	18.8
Potassium (K)	0.03	%	0.02	2.5		
Potash (K_2O)			0.02	3.0	0.0	2.7
Magnesium (Mg)	387	mg/kg	0.02	3.4		
Magnesium (MgO)			0.04	5.4	0.0	1.4
Sulphur (S)	2100	mg/kg	0.13	18.4		
Sulphur (SO_3)			0.33	46.0	0.0	4.6
Calcium (Ca)		mg/kg	0.0	0.0		

POTENTIALLY TOXIC ELEMENTS

			Amount		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	331.0	mg/kg	20.6	2.90	15.00
Copper	35.4	mg/kg	2.20	0.31	7.50
Nickel	31.0	mg/kg	1.93	0.27	3.00
Lead	31.4	mg/kg	1.95	0.27	15.00
Cadmium	2.67	mg/kg	0.17	0.02	0.15
Chromium	16.2	mg/kg	1.01	0.14	15.00
Mercury	0.3	mg/kg	0.02	0.00	0.10
Arsenic	17.6	mg/kg	1.09	0.15	0.70
Aluminium	3810	mg/kg	237	33.4	
Iron	383000	mg/kg	23784	3353.6	

DCWW

Analysis of Garreglwyd sludge

Date: 11/11/2025 Sample no. 8591146

Application rate (t/ha)	**250**
Application rate (t/acre)	**100.0**
pH	**6.4**
Dry solids (%)	**6.2**
Organic matter (%)	**35.2**

NUTRIENT CONTENT

			Total		Available	
TOTALS	**result**	**units**	**(kg/tonne)**	**(kg/ha)**	**(kg/tonne)**	**(kg/ha)**
Nitrogen (N)	0.77	%	0.48	118.9	0.01	1.5
Ammonium-N	97.9	mg/kg	0.01	1.5		
Phosphorus (P)	0.19	%	0.12	29.2		
Phosphate (P_2O_5)			0.27	66.5	0.1	33.3
Potassium (K)	0.03	%	0.02	4.4		
Potash (K_2O)			0.02	5.2	0.0	4.7
Magnesium (Mg)	387	mg/kg	0.02	6.0		
Magnesium (MgO)			0.04	9.6	0.0	2.4
Sulphur (S)	2100	mg/kg	0.13	32.6		
Sulphur (SO_3)			0.33	81.5	0.0	8.2
Calcium (Ca)		mg/kg	0.0	0.0		

POTENTIALLY TOXIC ELEMENTS

			Amount		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	331.0	mg/kg	20.6	5.14	15.00
Copper	35.4	mg/kg	2.20	0.55	7.50
Nickel	31.0	mg/kg	1.93	0.48	3.00
Lead	31.4	mg/kg	1.95	0.49	15.00
Cadmium	2.67	mg/kg	0.17	0.04	0.15
Chromium	16.2	mg/kg	1.01	0.25	15.00
Mercury	0.3	mg/kg	0.02	0.00	0.10
Arsenic	17.6	mg/kg	1.09	0.27	0.70
Aluminium	3810	mg/kg	237	59.2	
Iron	383000	mg/kg	23784	5946.1	

DCWW

Analysis of Llyn Conwy sludge

Date: 12/12/2025 Sample no. 8630914

Application rate (t/ha)	**55**
Application rate (t/acre)	**22.0**
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	16.0	0.01	0.3
Ammonium-N	126	mg/kg	0.01	0.3		
Phosphorus (P)	0.61	%	0.30	16.4		
Phosphate (P_2O_5)			0.68	37.3	0.3	18.7
Potassium (K)	0.09	%	0.04	2.4		
Potash (K_2O)			0.05	2.9	0.0	2.6
Magnesium (Mg)	396	mg/kg	0.02	1.1		
Magnesium (MgO)			0.03	1.7	0.0	0.4
Sulphur (S)	5990	mg/kg	0.29	16.1		
Sulphur (SO_3)			0.73	40.3	0.1	4.0
Calcium (Ca)		mg/kg	0.0	0.0		

POTENTIALLY TOXIC ELEMENTS

			Amount		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	317.0	mg/kg	15.5	0.85	15.00
Copper	81.4	mg/kg	3.98	0.22	7.50
Nickel	53.2	mg/kg	2.60	0.14	3.00
Lead	64.7	mg/kg	3.16	0.17	15.00
Cadmium	1.15	mg/kg	0.06	0.00	0.15
Chromium	44.9	mg/kg	2.20	0.12	15.00
Mercury	0.4	mg/kg	0.02	0.00	0.10
Arsenic	27.9	mg/kg	1.36	0.08	0.70
Aluminium	3090	mg/kg	151	8.3	
Iron	437000	mg/kg	21369	1175.3	

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 Mynydd Llandegai sludge

Date: 11/11/2025 Sample no. 8591162

Application rate (t/ha)	**113**
Application rate (t/acre)	**45.2**
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	48.0	0.01	0.7
Ammonium-N	151.4	mg/kg	0.01	0.7		
Phosphorus (P)	0.36	%	0.15	16.4		
Phosphate (P_2O_5)			0.33	37.4	0.2	18.7
Potassium (K)	0.04	%	0.02	2.0		
Potash (K_2O)			0.02	2.3	0.0	2.1
Magnesium (Mg)	587	mg/kg	0.02	2.7		
Magnesium (MgO)			0.04	4.3	0.0	1.1
Sulphur (S)	6070	mg/kg	0.24	27.5		
Sulphur (SO_3)			0.61	68.8	0.1	6.9
Calcium (Ca)		mg/kg	0.0	0.0		

POTENTIALLY TOXIC ELEMENTS

			Amount		Limit
TOTALS	**result**	**units**	**(g/tonne)**	**(kg/ha)**	**(kg/ha/yr)**
Zinc	125.0	mg/kg	5.0	0.57	15.00
Copper	88.2	mg/kg	3.54	0.40	7.50
Nickel	25.3	mg/kg	1.01	0.11	3.00
Lead	30.8	mg/kg	1.24	0.14	15.00
Cadmium	0.61	mg/kg	0.02	0.00	0.15
Chromium	21.4	mg/kg	0.86	0.10	15.00
Mercury	0.5	mg/kg	0.02	0.00	0.10
Arsenic	21.2	mg/kg	0.85	0.10	0.70
Aluminium	922000	mg/kg	36972	4177.9	
Iron	4290	mg/kg	172	19.4	

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	