ISLE OF ANGLESEY COUNTY COUNCIL
PENHESGYN IVC FACILITY
LLANSADWRN
MENAIBRIDGE
ANGLESEY WALES LL59 5RY

P417

Please quote above code for all enquiries

PENHESGYN

LEACHATE

SLURRY/SLUDGE ANALYSIS RESULTS (Imperial Units)

Sample Reference : TANK LEACHATE

Sample Matrix : SLURRY/SLUDGE

The sample submitted was of adequate size to complete all analysis requested.

The sample will be kept under refrigeration for at least 3 weeks.

Laboratory References	
Report Number	67434
Sample Number	185828

Date Received	09-SEP-2026
Date Reported	18-SEP-2026

ANALYTICAL RESULTS *on 'as received' basis.*

Determinand	Units	Value	Amount per fresh ton		Amount per fresh 1000 gallons	
Kjeldahl Nitrogen	% w/w	0.050	1.00	Units N	4.55	Units N
Ammonium Nitrogen	mg/kg	337	0.67	Units NH4-N	3.06	Units NH4-N
Total Phosphorus (P)	% w/w	0.002	0.09	Units P2O5	0.42	Units P2O5
Total Potassium (K)	% w/w	0.095	2.29	Units K2O	10.41	Units K2O
Total Magnesium (Mg)	% w/w	0.013	0.43	Units MgO	1.96	Units MgO
Total Sulphur (S)	% w/w	0.004	0.20	Units SO3	0.91	Units SO3
Total Copper (Cu)	mg/kg	1.74	< 0.01	kg Cu	0.01	kg Cu
Total Zinc (Zn)	mg/kg	0.613	< 0.01	kg Zn	< 0.01	kg Zn
Total Sodium (Na)	% w/w	0.022	0.22	kg Na	1.00	kg Na
Oven Dry Solids	%	0.530	5.30	kg DM	24.09	kg DM
Conductivity 1:6	uS/cm	1314				

Released by *Myles Nicholson* Date *18/09/26*

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Date Reported	18-SEP-2026

ANALYTICAL RESULTS *on 'as received' basis.*

Determinand	Units	Value
Nitrate Nitrogen	mg/kg	<10
Total Calcium (Ca)	mg/kg	262
Total Iron (Fe)	mg/kg	<20
Total Molybdenum (Mo)	mg/kg	<0.05
Total Manganese (Mn)	mg/kg	2.13
Total Carbon	% w/w	0.191
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
pH 1:6 [Fresh]		8.25
Organic Matter LOI	% w/w	0.139
Total Aluminium	mg/kg	<2
Fluoride [100:1 H2S04 Soluble]	mg/kg	<10

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Date Received	09-SEP-2026
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ANALYTICAL RESULTS *on 'as received' basis.*

Determinand	Units	Value
Total Arsenic (As)	mg/kg	<0.5
Total Selenium (Se)	mg/kg	0.023
Vanadium	mg/kg	<0.1
B.O.D. [fresh]	mg/l	88
C.O.D. [fresh]	mg/kg	2180

The nutrients in slurry are only partially available for plant growth and may or may not be useful. This depends on the time of application but also on the type and form of slurry. More detailed information can be obtained from DEFRA RB209.

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LEACHATE

SLURRY/SLUDGE ANALYSIS RESULTS (Imperial Units)

Sample Reference : LAGOON LEACHATE

Sample Matrix : SLURRY/SLUDGE

The sample submitted was of adequate size to complete all analysis requested.

The sample will be kept under refrigeration for at least 3 weeks.

Laboratory References	
Report Number	67434
Sample Number	185829

Date Received	09-SEP-2026
Date Reported	18-SEP-2026

ANALYTICAL RESULTS *on 'as received' basis.*

Determinand	Units	Value	Amount per fresh ton		Amount per fresh 1000 gallons	
Kjeldahl Nitrogen	% w/w	0.010	0.20	Units N	0.91	Units N
Ammonium Nitrogen	mg/kg	26.8	0.05	Units NH4-N	0.24	Units NH4-N
Total Phosphorus (P)	% w/w	<0.0005	0.00	Units P2O5	0.00	Units P2O5
Total Potassium (K)	% w/w	0.020	0.48	Units K2O	2.19	Units K2O
Total Magnesium (Mg)	% w/w	0.001	0.03	Units MgO	0.15	Units MgO
Total Sulphur (S)	% w/w	0.002	0.10	Units SO3	0.45	Units SO3
Total Copper (Cu)	mg/kg	<0.2	< 0.01	kg Cu	< 0.01	kg Cu
Total Zinc (Zn)	mg/kg	<0.5	< 0.01	kg Zn	< 0.01	kg Zn
Total Sodium (Na)	% w/w	0.004	0.04	kg Na	0.18	kg Na
Oven Dry Solids	%	0.110	1.10	kg DM	5.00	kg DM
Conductivity 1:6	uS/cm	171				

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ANALYTICAL RESULTS *on 'as received' basis.*

Determinand	Units	Value
Nitrate Nitrogen	mg/kg	<10
Total Calcium (Ca)	mg/kg	38.5
Total Iron (Fe)	mg/kg	<20
Total Molybdenum (Mo)	mg/kg	<0.05
Total Manganese (Mn)	mg/kg	<1
Total Carbon	% w/w	0.175
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
pH 1:6 [Fresh]		7.74
Organic Matter LOI	% w/w	0.047
Total Aluminium	mg/kg	<2
Fluoride [100:1 H2S04 Soluble]	mg/kg	<10

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ANALYTICAL RESULTS *on 'as received' basis.*

Determinand	Units	Value
Total Arsenic (As)	mg/kg	<0.5
Total Selenium (Se)	mg/kg	<0.02
Vanadium	mg/kg	<0.1
B.O.D. [fresh]	mg/l	324
C.O.D. [fresh]	mg/kg	1320

The nutrients in slurry are only partially available for plant growth and may or may not be useful. This depends on the time of application but also on the type and form of slurry. More detailed information can be obtained from DEFRA RB209.

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