

POLLUTION MONITORING DATA

Licence Number: 5471

Licence Holder: Pig Improvement Company Australia Pty Ltd

Location: 314 Grong Grong River Road Grong Grong NSW 2652

Reporting Period: 09/08/2022 to 08/08/2023

<http://www.epa.nsw.gov.au/prpoeo/index.htm>

Discharge & Monitoring Point 1 (Licenced Effluent Application Area – PIC Farmlands)

Pollutant	Unit of Measure	No. of Samples Required by Licence	No. of Samples Collected and Analysed	Lowest Sample Value	Mean of Sample	Highest Sample Value
Chloride	milligrams per kilogram	1	1	400	400	400
Nitrate	milligrams per kilogram	1	1	<0.020	<0.020	<0.020
pH	pH	1	1	7.8	7.8	7.8
Exchangeable calcium	milliequivalents	1	1	130	130	130
Exchangeable magnesium	milliequivalents	1	1	30	30	30
Exchangeable sodium	milliequivalents	1	1	240	240	240
Exchangeable potassium	milliequivalents	1	1	690	690	690
Cation Exchange Capacity	milligrams per kilogram	0	0	0	0	0
Available phosphorus	milligrams per kilogram	1	1	40	40	40
Exchangeable sodium percentage	percent	1	1	240	240	240

Monitoring Point 2 (Piezometer 1 – New Dam)

Pollutant	Unit of Measure	No. of Samples Required by Licence	No. of Samples Collected and Analysed	Lowest Sample Value	Mean of Sample	Highest Sample Value
Electrical conductivity	microsiemens per centimetre	1	1	12800	12800	12800
Nitrate	milligrams per litre	1	1	0.11	0.11	0.11
Nitrite	milligrams per litre	1	1	<0.01	<0.01	<0.01
Nitrogen (ammonia)	milligrams per litre	1	1	189	189	189
Nitrogen (total)	milligrams per litre	1	1	246	246	246
pH	pH	1	1	7.6	7.6	7.6
Phosphorus	milligrams per litre	1	1	18.8	18.8	18.8
Potassium	milligrams per litre	1	1	127	127	127
Sodium	milligrams per litre	1	1	1790	1790	1790
Standing Water Level	metres	2	2	0.40	0.425	0.45
Total dissolved solids	Milligrams per litre	0	0	0	0	0

Monitoring Point 3 (Piezometer 2 – New Dam)

Pollutant	Unit of Measure	No. of Samples Required by Licence	No. of Samples Collected and Analysed	Lowest Sample Value	Mean of Sample	Highest Sample Value
Electrical conductivity	microsiemens per centimetre	1	1	4050	4050	4050
Nitrate	milligrams per litre	1	1	14.3	14.3	14.3
Nitrite	milligrams per litre	1	1	0.38	0.38	0.38
Nitrogen (ammonia)	milligrams per litre	1	1	0.19	0.19	0.19
Nitrogen (total)	milligrams per litre	1	1	16.9	16.9	16.9
pH	pH	1	1	7.2	7.2	7.2
Phosphorus	milligrams per litre	1	1	0.36	0.36	0.36
Potassium	milligrams per litre	1	1	3	3	3
Sodium	milligrams per litre	1	1	645	645	645
Standing Water Level	metres	2	2	0.85	0.90	0.95
Total dissolved solids	Milligrams per litre	0	0	0	0	0

Monitoring Point 4 (Piezometer PN – 314 Grong Grong River Road)

Pollutant	Unit of Measure	No. of Samples Required by Licence	No. of Samples Collected and Analysed	Lowest Sample Value	Mean of Sample	Highest Sample Value
Electrical conductivity	microsiemens per centimetre	1	1	30000	30000	30000
Nitrate	milligrams per litre	1	1	3.94	3.94	3.94
Nitrite	milligrams per litre	1	1	0.21	0.21	0.21
Nitrogen (ammonia)	milligrams per litre	1	1	0.27	0.27	0.27
Nitrogen (total)	milligrams per litre	1	1	7.4	7.4	7.4
pH	pH	1	1	7.19	7.19	7.19
Phosphorus	milligrams per litre	1	1	0.7	0.7	0.7
Potassium	milligrams per litre	1	1	96	96	96
Sodium	milligrams per litre	1	1	5620	5620	5620
Standing Water Level	metres	2	2	0.85	0.85	0.85
Total dissolved solids	Milligrams per litre	0	0	0	0	0

Monitoring Point 5 (Piezometer PS – 314 Grong Grong River Road)

Pollutant	Unit of Measure	No. of Samples Required by Licence	No. of Samples Collected and Analysed	Lowest Sample Value	Mean of Sample	Highest Sample Value
Electrical conductivity	microsiemens per centimetre	1	1	31400	31400	31400
Nitrate	milligrams per litre	1	1	0.90	0.90	0.90
Nitrite	milligrams per litre	1	1	<0.01	<0.01	<0.01
Nitrogen (ammonia)	milligrams per litre	1	1	0.22	0.22	0.22
Nitrogen (total)	milligrams per litre	1	1	<2.0	<2.0	<2.0
pH	pH	1	1	7.19	7.19	7.19
Phosphorus	milligrams per litre	1	1	0.58	0.58	0.58
Potassium	milligrams per litre	1	1	75	75	75
Sodium	milligrams per litre	1	1	7030	7030	7030
Standing Water Level	metres	2	2	0.8	0.85	0.90
Total dissolved solids	Milligrams per litre	0	0	0	0	0