

# Publication of Pollution Monitoring Data 2018

**Allied Pinnacle Pty Ltd**

**176-182 Marius Street, Tamworth NSW 2340**

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## 1 Licence Details

### 1.1 Licence Holder

Licence Number 599

Licence Holder Allied Pinnacle Pty Ltd

Licensee Address Locked Bag 3108, RHODES NSW 2138

### 1.2 Reporting Period

01 November 2018 – 12<sup>th</sup> April 2019 (Allied Pinnacle ceased operations at this site on 12<sup>th</sup> April 2019)

### 1.3 Premises to which Licence Applies

Common Name (*if any*) Allied Pinnacle

Premises 176-182 Marius Street, Tamworth NSW 2340

### 1.4 Scheduled Activities

Agricultural Processing

### 1.5 Fee-Based Activity

#### Classifications

Fee-based Activity	Activity Scale	Unit of measure
General agricultural processing	<= 30,000	T processed

### 1.6 NSW EPA Public Register

The NSW EPA maintains several public registers. You can access the registers online and search for information about specific companies and specific circumstances or events, such as environmental protection measures and regulatory actions. The Protection of the Environment Operations Act (POEO) public register contains information about environment protection licences and other regulatory information required under the Protection of the Environment Operations Act 1997 (POEO Act).

You can search the POEO public register for information about environment protection licences, licence applications, notices issued under the POEO Act and pollution studies and reduction programs.

You can also search the POEO public register about convictions and results of civil proceedings under the POEO Act.

## 2 Monitoring Requirements

Table 1 provides a summary of the EPA monitoring points. This table has been reproduced from Section 2 of Environmental Protection Licence No. 599.

<b>Table 1: Summary of EPA Monitoring Points</b> EPA No.	Type of monitoring point	Type of discharge point	Description of location
1	Effluent quality and volume monitoring	-	Point in effluent line from Marius Street factory to Scott Road Farm labelled as EMP 1 – On the Monitoring Points Map for Scott Road submitted to the EPA on 23/3/2017 (EPA TRIM: DOC 17/183257)
2	Discharge to utilisation area Effluent quality and volume monitoring	Discharge to utilisation area Effluent quality and volume monitoring	Discharge and monitoring point labelled as EMP 2 – On the Monitoring Points Map for Scott Road submitted to the EPA on 23/3/2017 (EPA TRIM: DOC 17/183257)
3	Groundwater quality monitoring	-	Groundwater monitoring bores labelled as EMP 3 - On the Monitoring Points Map for Scott Road submitted to the EPA on 23/3/2017 (EPA TRIM: DOC 17/183257)
4	Soils quality monitoring	-	Four (4) soil monitoring points labelled as EMP 4 - On the Monitoring Points Map for Scott Road submitted to the EPA on 23/3/2017 (EPA TRIM: DOC 17/183257)
5	Ambient water monitoring	-	Surface water monitoring point (Peel River upstream) labelled as EMP 5 - On the Monitoring Points Map for Scott Road submitted to the EPA on 23/3/2017 (EPA TRIM: DOC 17/183257)

6	Ambient water monitoring	-	Surface water monitoring point (Peel River downstream) labelled as EMP 6 - On the Monitoring Points Map for Scott Road submitted to the EPA on 23/3/2017 (EPA TRIM: DOC 17/183257)
7	Ambient water monitoring	-	Surface water monitoring point (Goonoo Goonoo Creek upstream) labelled as EMP 7 - On the Monitoring Points Map for Scott Road submitted to the EPA on 23/3/2017 (EPA TRIM: DOC 17/183257)

8	Ambient water monitoring	-	Surface water monitoring point (Goonoo Goonoo Creek downstream) labelled as EMP 8 - On the Monitoring Points Map for Scott Road submitted to the EPA on 23/3/2017 (EPA TRIM: DOC 17/183257)
15	Water quality monitoring	-	Runoff trap dam labelled as EMP 15 - On the Monitoring Points Map for Scott Road submitted to the EPA on 23/3/2017 (EPA TRIM: DOC 17/183257)
16	Water quality monitoring	-	Terminal runoff trap dam labelled as EMP 16 - On the Monitoring Points Map for Scott Road submitted to the EPA on 23/3/2017 (EPA TRIM: DOC 17/183257)
19	Weather analysis	-	Formally labelled as Weather monitoring station labelled as EMP 17 - On the Monitoring Points Map for Scott Road submitted to the EPA on 23/3/2017 (EPA TRIM: DOC 17/183257)
18	Groundwater quality monitoring	-	Groundwater monitoring bore labelled as EMP 18 - On the Monitoring Points Map for Scott Road submitted to the EPA on 23/3/2017 (EPA TRIM: DOC 17/183257)

### 3 Monitoring Results

#### 3.1 EMP 1

Effluent quality and volume monitoring, Point in effluent line from Marius Street factory to Scott Road Farm labelled as EMP 1 – On the Monitoring Points Map for Scott Road submitted to the EPA on 23/3/2017 (EPA TRIM: DOC 17/183257)

pH monitoring – During the reporting period.

The maximum pH reading of the effluent was 9.8 – Cleaning of plant can produce high pH effluent, this is neutralised to keep the average pH close to 7.

The minimum pH was 4 – Effluent is treated to adjust the pH to 7 before irrigation.

The average pH was approximately 6.5.

Temperature Monitoring – during the reporting period.

Maximum Temperature reached was 47 deg C.

Minimum Temperature reached was 14 deg C.

Average Temperature reached was 32 deg C.

#### 3.2 EMP 2

Discharge and monitoring point labelled as EMP 2 – On the Monitoring Points Map for Scott Road submitted to the EPA on 23/3/2017 (EPA TRIM: DOC 17/183257)

**Table 2: Effluent Analysis Results (EMP 2)**

Parameter	Units	Sampling Date	
		17/12/2018	20/3/2019
pH	pH units	6.1	5.6
Conductivity	µS/cm	8900	620
Sodium Absorption Ratio	-	80	2.7
Total suspended solids	mg/L	110	130
Chloride	mg/L		29
Calcium	mg/L		33
Magnesium	mg/L	20	29
Sodium	mg/L	2300	
Potassium	mg/L	4.5	3.9
Ammonia as N	mg/L	32	4.5
Nitrate as N	mg/L	0.02	<0.5
Total Kjeldahl Nitrogen	mg/L	0.6	62
Nitrogen (total)	mg/L	0.6	62
Phosphorus (total)	mg/L	0.3	0.8
Phosphate as P	mg/L	0.014	0.43
BOD	mg/L	23	610

### 3.3 EMP 3

Groundwater monitoring bores labelled as EMP 3 - On the Monitoring Points Map for Scott Road submitted to the EPA on 23/3/2017 (EPA TRIM: DOC 17/183257)

**Table 3A: Effluent Analysis Results (EMP 3 formerly EPA Point 3A)**

Parameter	Units	Sampling Date			
		17/12/2018	20/3/2019		
pH	pH units	7.5	7.7		
Conductivity	µS/cm	2000	2400		
Chloride	mg/L	670	390		
Sodium	mg/L	260	220		
Nitrogen (ammonia)	mg/L	7.9	<0.05		
Nitrate as N	mg/L	5	6.5		
Nitrogen (total)	mg/L	7.9	8.7		
Phosphorus (total)	mg/L	0.3	0.2		
Phosphate as P	mg/L	0.14	0.15		
BOD	mg/L	23	<5		
Standing Water Level	m	5.7	5.7	-	-

### **3.4 EMP 4**

Four (4) soil monitoring points labelled as EMP 4 - On the Monitoring Points Map for Scott Road submitted to the EPA on 23/3/2017 (EPA TRIM: DOC 17/183257)

Soil testing due in October. No testing occurred in period of 1<sup>st</sup> November 2018 to 12<sup>th</sup> April 2019.

### **3.8 Noise Monitoring**

Noise monitoring due after 12<sup>th</sup> April shutdown of site.