

Licence No: 1580

Link to licence: <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=29021&SYSUID=1&LICID=1580>

licensee's name: NESTLE AUSTRALIA LTD

licensee's address: Rawson Street Smithtown, NSW 2440

Location of monitoring point: Drain discharging to Macleay River approx. 52m from the northern boundary and marked as "DP001" on drawing titled "Nestle Site Plan" submitted with Licence Information form dated 27/1/00

**Monitoring Period : Jan-18**

External Lab Analysis

Sampled: 24/01/2018

Results: 25/01/2018

Monthly Measure	Unit	Sample Frequency	90 Percentile Concentration Limit	100 Percentile Concentration Limit	Result	Exceed (Y/N)
pH	pH	Monthly	-	6.5-8.5	8.13	N
TSS	mg/L	Monthly	15	30	3	N
BOD	mg/L	Monthly	10	20	14	Y-90%
Oils and Grease	mg/L	Monthly	5	10	<2	N
Nitrogen (ammonia)	mg/L	Monthly	2	5	0.176	N
Nitrogen (Total)	mg/L	Monthly	10	20	3.3	N
Phosphorus (Total)	mg/L	Monthly	Sample only		12.1	N

Daily Onsite Analysis

Daily Summarised Measure	Unit	Sample Frequency	Upper Limit	Min	Max	Median	Mean	Exceed (Y/N)
Discharge Volume	kL/day	daily	800	7	345	240	219	N

mg: milligram

L: Litre

TSS: Total Suspended Solids

kg: kilogram

BOD: Biological Oxygen Demand

kL: kilolitre

percentile: percentage (e.g.90%) of the number of samples taken that must meet the concentration limit specified in the licence for the pollutant over a specified period of time.

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**Monitoring Period : Feb-18**

External Lab Analysis

Sampled: 21/02/2018

Results: 22/02/2018

Monthly Measure	Unit	Sample Frequency	90 Percentile Concentration Limit	100 Percentile Concentration Limit	Result	Exceed (Y/N)
pH	pH	Monthly	-	6.5-8.5	8.32	N
TSS	mg/L	Monthly	15	30	2	N
BOD	mg/L	Monthly	10	20	1	N
Oils and Grease	mg/L	Monthly	5	10	2	N
Nitrogen (ammonia)	mg/L	Monthly	2	5	0.093	N
Nitrogen (Total)	mg/L	Monthly	10	20	14.8	Y-90%
Phosphorus (Total)	mg/L	Monthly	Sample only		19.3	N

Daily Onsite Analysis

Daily Summarised Measure	Unit	Sample Frequency	Upper Limit	Min	Max	Median	Mean	Exceed (Y/N)
Discharge Volume	kL/day	daily	800	0	346	150	162.5	N

mg: milligram

L: Litre

TSS: Total Suspended Solids

kg: kilogram

BOD: Biological Oxygen Demand

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**Monitoring Period : Mar-18**

External Lab Analysis

Sampled: 23/03/2018

Results: 27/03/2018

Monthly Measure	Unit	Sample Frequency	90 Percentile Concentration Limit	100 Percentile Concentration Limit	Result	Exceed (Y/N)
pH	pH	Monthly	-	6.5-8.5	8.33	N
TSS	mg/L	Monthly	15	30	11	N
BOD	mg/L	Monthly	10	20	6.3	N
Oils and Grease	mg/L	Monthly	5	10	2	N
Nitrogen (ammonia)	mg/L	Monthly	2	5	0.04	N
Nitrogen (Total)	mg/L	Monthly	10	20	6.49	N
Phosphorus (Total)	mg/L	Monthly	Sample only		12.7	N

Daily Onsite Analysis

Daily Summarised Measure	Unit	Sample Frequency	Upper Limit	Min	Max	Median	Mean	Exceed (Y/N)
Discharge Volume	kL/day	daily	800	80	361	240	238	N

mg: milligram

L: Litre

TSS: Total Suspended Solids

kg: kilogram

BOD: Biological Oxygen Demand

kL: kilolitre

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**Monitoring Period : Apr-18**

External Lab Analysis

Sampled: 26/04/2018

Results: 27/04/2018

Monthly Measure	Unit	Sample Frequency	90 Percentile Concentration Limit	100 Percentile Concentration Limit	Result	Exceed (Y/N)
pH	pH	Monthly	-	6.5-8.5	7.93	N
TSS	mg/L	Monthly	15	30	8	N
BOD	mg/L	Monthly	10	20	1	N
Oils and Grease	mg/L	Monthly	5	10	1	N
Nitrogen (ammonia)	mg/L	Monthly	2	5	0.125	N
Nitrogen (Total)	mg/L	Monthly	10	20	3.88	N
Phosphorus (Total)	mg/L	Monthly	Sample only		8.49	N

Daily Onsite Analysis

Daily Summarised Measure	Unit	Sample Frequency	Upper Limit	Min	Max	Median	Mean	Exceed (Y/N)
Discharge Volume	kL/day	daily	800	75	761	240	235	N

mg: milligram

L: Litre

TSS: Total Suspended Solids

kg: kilogram

BOD: Biological Oxygen Demand

kL: kilolitre

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**Monitoring Period : May-18**

External Lab Analysis

Sampled: 28/05/2018

Results: 31/05/2018

Monthly Measure	Unit	Sample Frequency	90 Percentile Concentration Limit	100 Percentile Concentration Limit	Result	Exceed (Y/N)
pH	pH	Monthly	-	6.5-8.5	7.97	N
TSS	mg/L	Monthly	15	30	10	N
BOD	mg/L	Monthly	10	20	4	N
Oils and Grease	mg/L	Monthly	5	10	<2	N
Nitrogen (ammonia)	mg/L	Monthly	2	5	0.356	N
Nitrogen (Total)	mg/L	Monthly	10	20	2.65	N
Phosphorus (Total)	mg/L	Monthly	Sample only		3.5	N

Daily Onsite Analysis

Daily Summarised Measure	Unit	Sample Frequency	Upper Limit	Min	Max	Median	Mean	Exceed (Y/N)
Discharge Volume	kL/day	daily	800	75	345	240	228.6129	N

mg: milligram

L: Litre

TSS: Total Suspended Solids

kg: kilogram

BOD: Biological Oxygen Demand

kL: kilolitre

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**Monitoring Period : Jun-18**

External Lab Analysis

Sampled:

Results:

Monthly Measure	Unit	Sample Frequency	90 Percentile Concentration Limit	100 Percentile Concentration Limit	Result	Exceed (Y/N)
pH	pH	Monthly	-	6.5-8.5	8.06	N
TSS	mg/L	Monthly	15	30	3	N
BOD	mg/L	Monthly	10	20	3	N
Oils and Grease	mg/L	Monthly	5	10	<2	N
Nitrogen (ammonia)	mg/L	Monthly	2	5	0.035	N
Nitrogen (Total)	mg/L	Monthly	10	20	0.99	N
Phosphorus (Total)	mg/L	Monthly	Sample only		1.41	N

Daily Onsite Analysis

Daily Summarised Measure	Unit	Sample Frequency	Upper Limit	Min	Max	Median	Mean	Exceed (Y/N)
Discharge Volume	kL/day	daily	800	150	384	241	257.433	N

mg: milligram

L: Litre

TSS: Total Suspended Solids

kg: kilogram

BOD: Biological Oxygen Demand

kL: kilolitre

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**Monitoring Period : Jul-18**

External Lab Analysis

Sampled:

Results:

Monthly Measure	Unit	Sample Frequency	90 Percentile Concentration Limit	100 Percentile Concentration Limit	Result	Exceed (Y/N)
pH	pH	Monthly	-	6.5-8.5	8.24	N
TSS	mg/L	Monthly	15	30	1	N
BOD	mg/L	Monthly	10	20	1	N
Oils and Grease	mg/L	Monthly	5	10	<2	N
Nitrogen (ammonia)	mg/L	Monthly	2	5	0.042	N
Nitrogen (Total)	mg/L	Monthly	10	20	1	N
Phosphorus (Total)	mg/L	Monthly	Sample only		2.82	

Daily Onsite Analysis

Daily Summarised Measure	Unit	Sample Frequency	Upper Limit	Min	Max	Median	Mean	Exceed (Y/N)
Discharge Volume	kL/day	daily	800	75	337	210	192.2903	N

mg: milligram

L: Litre

TSS: Total Suspended Solids

kg: kilogram

BOD: Biological Oxygen Demand

kL: kilolitre

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**Monitoring Period : Aug-18**

External Lab Analysis

Sampled:

Results:

Monthly Measure	Unit	Sample Frequency	90 Percentile Concentration Limit	100 Percentile Concentration Limit	Result	Exceed (Y/N)
pH	pH	Monthly	-	6.5-8.5	8.1	N
TSS	mg/L	Monthly	15	30	5	N
BOD	mg/L	Monthly	10	20	3	N
Oils and Grease	mg/L	Monthly	5	10	4	N
Nitrogen (ammonia)	mg/L	Monthly	2	5	0.056	N
Nitrogen (Total)	mg/L	Monthly	10	20	1.72	N
Phosphorus (Total)	mg/L	Monthly	Sample only		0.59	

Daily Onsite Analysis

Daily Summarised Measure	Unit	Sample Frequency	Upper Limit	Min	Max	Median	Mean	Exceed (Y/N)
Discharge Volume	kL/day	daily	800	75	241	150	171.6774	N

mg: milligram

L: Litre

TSS: Total Suspended Solids

kg: kilogram

BOD: Biological Oxygen Demand

kL: kilolitre

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