

Incitec Pivot Limited  
Environment Protection Licence: 11781  
39 Heron Road, Kooragang Island, NSW

Date Data Published: 29 June 2012  
Date Sampled: April/May 2012  
Date Sample Obtained: 21 May 2012

### North Drain Storm Water Drainage Analysis

Pollutant	Units of Measure	Monitoring Frequency Required	No of times measured in month	Min Value	Mean Value	Median Value	Max. Value
pH	pH Unit	Monthly during discharge	4	6.0	6.325	6.25	6.8
Total Suspended Solids	mg/L	Monthly during discharge	4	115	237.25	223	388
Phosphate	mg/L	Monthly during discharge	4	76.3	158.58	137	284
Total Nitrogen	mg/L	Monthly during discharge	4	48.1	146.78	105.5	328
Zinc	mg/L	Monthly during discharge	4	0.772	1.73	0.927	4.28

### Central Drain Storm Water Drainage Analysis

Pollutant	Units of Measure	Monitoring Frequency Required	No of times measured in month	Min Value	Mean Value	Median Value	Max. Value
pH	pH Unit	Monthly during discharge	2	6.6	6.8	6.8	7
Total Suspended Solids	mg/L	Monthly during discharge	2	97	233.5	233.5	370
Phosphate	mg/L	Monthly during discharge	2	70.2	81.4	81.4	92.6
Total Nitrogen	mg/L	Monthly during discharge	2	26.7	126.85	126.85	227
Zinc	mg/L	Monthly during discharge	2	0.475	0.99	0.99	1.52

## Southern Drain Stormwater Drainage Analysis

Pollutant	Units of Measure	Monitoring Frequency Required	No of times measured in month	Min Value	Mean Value	Median Value	Max. Value
pH	pH Unit	Monthly during discharge	1	6.7			
Total Suspended Solids	mg/L	Monthly during discharge	1	24			
Phosphate	mg/L	Monthly during discharge	1	21.8			
Total Nitrogen	mg/L	Monthly during discharge	1	39.1			
Zinc	mg/L	Monthly during discharge	1	0.118			

### Notes on Monitoring Data

In relation to the monitoring data above, IPL notes that:

- EPA Licence 11781 requires automatic samplers be placed in existing stormwater drains. The samplers trigger only when specified volumes of stormwater are present.
- EPA Licence 11781 sets no specific pollutant limit on the site's water discharges. As such IPL must comply with the general obligation not to cause off site pollution under s120 of the POEOA.
- The IPL site is an old site which has been in operation for many years and the stormwater system does not collect surface run off the way that new sites are designed to do. Nonetheless, IPL recognizes that it needs to improve its stormwater management to bring it in to line with modern requirements. To that end IPL has entered a Pollution Reduction Program with EPA in relation to stormwater management. A range of activities are being conducted on site to reduce the pollutant load in stormwater leaving the Kooragang Island site. The pollutant limits reported will gradually start to reduce once these improvement programs come into effect.