



Jupiters RWMP Scheme Number SRN00005
Annual Report for FY15/16
Prepared by Jupiters Limited

December 2016

Overview of following annual report

Jupiters RWMP (Scheme Number SRN00005) was approved with regulatory conditions on 11th March 2011.

One of the conditions of Jupiters approved RWMP is that it must submit an annual report to the Queensland Water Supply Regulator, Department of Energy and Water Supply

This annual report contains data for Jupiters' Reverse Osmosis Water Treatment Plant. The report includes incidents where testing data has been unable to be carried out. Each incident is identified along with a reason for its omission.

Unlike previous annual reports there were no 2 yearly regular internal or 3 yearly regular external audit of its RWMP due this reporting period.

Report Prepared By:

Stephen Gibson – Jupiters Hotel & Casino

Reverse Osmosis Plant

Annual Data

Reverse Osmosis Water Plant										
Annual Report										
1st July 2015 - 30th June 2016										
Below is a snapshot of the weekly and daily water samples taken between 1st July 2015 - 30th June 2016										
<i>Parameters tested as per Water Quality Criteria For Production of Recycled Water</i>										
Parameter	Indicator	Testing Requirements			Testing Results			Statistical Values		
		Frequency	Value	Samples Required	Actual Taken	Variance	Actual Value	Min	Max	Mean
Somatic coliphages	Viruses	Weekly	* <1 pfu/100mL	52	19	33	24 <1 pfu/100mL	<1	<1	<1
F-RNA bacteriophages	Viruses	Weekly	* <1 pfu/100mL	52	19	33	24 x <1 pfu/100mL	<1	<1	<1
Escherichia coli	Bacteria	Weekly	* <1 cfu/100mL	52	19	33	24 x <1 cfu/100mL	<1	<1	<1
Clostridium perfringens	Protozoa & Helminths	Weekly	* <1 cfu/100mL	52	19	33	24 x <1 cfu/100mL	<1	<1	<1
Free Chlorine	Sufficient chlorine levels	Daily	* >0.5mg/L	366	133	233	133 x >0.5mg/L	0.86	1.64	1.12
Turbidity	Clarity	Daily	* <2.0 NTU	366	133	233	133 x <2.0 NTU	0.00	0.06	0.01
* PFU means Plaque Forming Unit * CFU means Colony Forming Unit * NTU means nephelometric turbidity units * mg/L means mill										

During this reporting period there were 33 variances in the required weekly testing and 233 variances in the required taking of the daily testing samples. A breakdown of the incidents causing the variations are shown on the next page

Variances

33 x Weekly Testing Variances and the 233 Daily Testing Variances were made up of 4 x incidents

Incident #1

During the first quarterly reporting period July 1st - September 30th, Gold Coast Water was unable to supply Jupiters adequate quality and consistent flow levels to its Recycle Water Plant. As a result Jupiters' Reverse Osmosis Plant had 38 non-consecutive operational days and 54 non-operational days

Corrective Action Taken

During the 54 non-operational days the Reverse Osmosis Plant's supply was replaced with potable water

Corrective Action Taken to Stop Reoccurrences

No corrective action required by Jupiters Hotel & Casino

Incident #2

During the second quarterly reporting period October 1st - December 31st, Jupiters could not gain access to the RO Plant resulting in no samples being taken during this period

Corrective Action Taken

Jupiters closed down it's Reverse Osmosis Plant and replaced its supply with potable water

Corrective Action Taken to Stop Reoccurrences

No corrective action required by Jupiters Hotel & Casino

Incident #3

During the third quarterly reporting period January 1st - March 31st, Jupiters had limited access due to intermittent construction works around the RO Plant. Also Gold Coast Water was unable to supply Jupiters consistent flow levels resulted in a non-consecutive total of 44 operational days and 47 non-operational days

Corrective Action Taken

During the 44 non-operational days the Reverse Osmosis Plant's supply was replaced with potable water

Corrective Action Taken to Stop Reoccurrences

No corrective action required by Jupiters Hotel & Casino

Incident #4

Limited access due to intermittent construction works around the RO Plant and Gold Coast Water unable to supply Jupiters consistent flow levels of recycled water, resulted in a total of 40 consecutive non-operational days between April 1 - May 11 and 51 consecutive operational days between May 11 and June 30

Corrective Action Taken

During the 40 non-operational days the Reverse Osmosis Plant's supply was replaced with potable water

Corrective Action Taken to Stop Reoccurrences

No corrective action required by Jupiters Hotel & Casino

Conclusion

Jupiters Hotel & Casino has committed \$345 million to the refurbishment of the existing hotel and construction of the new 6 star all-suite hotel. The refurbishment of the existing hotel and construction of the new 6 star all-suite hotel commenced during this reporting period and the refurbishment of the existing hotel is due for completion December 2016 and the completion of the new 6 star all-suite hotel is due for December 2107.

Jupiters Reverse Osmosis Plant is located within the construction area of the new 6 star all-suite hotel, which resulted in construction restraints intermittently causing the plant to be closed down.

Jupiters also experienced inconstant water quality and flow of its supply from Gold Coast Water. This too resulted in Jupiters intermittently closing its Reverse Osmosis Plant. These times are documented under the heading of "Variances" listed in this report.

During operation in this reporting period Jupiters scheme water quality was 100% compliant in accordance with the Water Supply (Safety and Reliability) Act 2008

As per section 578 of the Act a copy of this annual report can be viewed online at Jupiters home page

www.jupitersgoldcoast.com.au/Pages/default.aspx

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