



## INFORMATION ONLY

### DIRECTOR SHIRE SERVICES REPORT

11<sup>th</sup> October 2005

**DSS1      HAT HEAD SEWERAGE**  
**FILE: 217 DWH (NRN)    {Folio No. 303088}**

#### **SUMMARY:**

Reporting on the operation and maintenance of the Hat Head sewerage system.



This report updates the previous reports regarding operation and maintenance of the Hat Head Sewerage Scheme.

#### **Sewerage Treatment Plant**

Process Engineer, Brian Lam, from United Kilpatrick Green (UKG) arrived on site on the 26<sup>th</sup> July and is still providing on-site support. The following items are still outstanding:

- Repair to floats.
- Replace DO meter.

#### **Sewerage Pumping Station**

Airvac carried out the following work at the pumping station on 8<sup>th</sup> September:

- Pump 1 - the o-rings changed.
- Pump 2 - new lobe impellers changed.
- Modified and larger concrete plinth installed to reduce vibration and replace damaged plinth.

## EPA License Compliance.

Results have been assessed to the 100<sup>th</sup> percentile of the EPA Licence operating criteria the results shown below:

	O & G	pH	TN	TP	F Coli	NH4-N	TSS	BOD
23/08/2005	0.50	7.39	33.05*	0.64	1.00	27.90*	12.00	1.00
06/09/2005	N/A	N/A	NA	N/A	N/A	N/A	N/A	N/A
20/09/2005	0.50	7.25	12.58	0.57	1.00	2.39	14.50	1.00
100% ILE	6	6.5-8.5	20	1	600	5	30	20

United Kilpatrick Green investigated instances of non-compliance (indicated \*)

Preliminary results for compliance sampling taken on the 20<sup>th</sup> of September indicate the plant is responding favourably to the new method of operation with no results exceeding the 100%ILE for the first time in three months. UKG expect this to be a continuing trend. Brian Lam will continue to provide on site and remote support to the Operator and plant as required.

In line with Council's resolution of 13<sup>th</sup> September 2005, a letter has been forwarded to the Minister regarding these ongoing concerns.

### **REPORT IMPLICATIONS**

- ***Environmental Implications***

***When completed and running efficiently the sewerage system will improve the environment of Hat Head.***

- ***Social Implications***

***The moratorium on future development in Hat Head under DCP37 continues until the sewerage system is fully functional.***

***The Sustainable Development Services have been asked to pursue unconnected properties.***

- ***Economic (Financial) Implications***

***There are no economic implications as all costs are borne by the contractors.***

- ***Policy or Statutory Implications***

***There are no policy or statutory implications from the following recommendations***

- *Director's Review*

*Improvements to the system have occurred and will continue to improve the sewerage system to a satisfactory level.*

## RECOMMENDATION

That the information be noted.

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K J Finnie  
DIRECTOR SHIRE SERVICES