

## **DIRECTOR SHIRE SERVICES REPORT**

8<sup>th</sup> March 2005

<b>DSS4</b>	<b>HAT HEAD SEWERAGE</b>
<b>FILE: S8-24</b>	<b>DH</b>

### **SUMMARY:**

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



This report is provided following the resolution from the February Council meeting and updates the previous report regarding operation and maintenance of the Hat Head Sewerage Scheme.

On the 8<sup>th</sup> of February 05 United Kilpatrick Green arrived at the Hat Head Sewerage Treatment Plant and Dune Disposal site to continue plant operation changes and repairs.

On the 22<sup>nd</sup> February 05 Airvac arrived at the Hat Head reticulation & sewage pumping station to continue operation changes and repairs.

### **Sewerage Treatment Plant (STP)**

The following problems with the STP have been repaired to date:

- Sludge Digester Rotork valve.
- Sludge Digester lower take-of-line.
- Compressor filter pressure switch.
- Chemical dosing lines replaced.
- Chlorine tank leak.
- Auto control on Grit Conveyor.

Outstanding STP problems to be repaired or replaced:

- Sludge storage tank Float still inverted.
- Two Diffuser arms in Sequential Batch Reactor to be replaced.
- All Diffuser arms to be lifted checked and locking wedges replaced.
- Sludge transfer meter not operating.
- Sand filter pressure switch alarm not operating.
- Hour meters on two compressors not operating.

### **Reticulation & Sewerage Pumping Station (SPS)**

The following problems with the SPS and reticulation system have been repaired to date:

- Magflo meter, replaced 22<sup>nd</sup> February.
- Transfer pumps now operating on auto.
- Probe reset to correct tank levels.

Outstanding problems to be repaired, or equipment replaced, in the Reticulation system and SPS:

- Several pots in the reticulation system to be repaired.
- Airvac advised Macleay Water that new Transfer pumps and motors to arrive towards the end March.

### **Dune Disposal.**

The following problems with the Dune Disposal Dams have been corrected to date.

United Kilpatrick Green (UKG) organised a backhoe to scrape to a depth of 600mm to release effluent through blocked sand beds.

UKG are to look at a long-term solution to correct the problem of the sand beds blocking.

### **EPA Licence compliance**

EPA have reported they are encouraged by United Kilpatrick Green efforts to comply with their license requirements, which have improved to date

#### ▪ ***Environmental Implications***

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

#### ▪ ***Social Implications***

***There are no social implications.***

#### ▪ ***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**