PRESENT:
Cr Jeff Hall   Acting Chairperson
Cr Kevin Myers  Council
Cr Ken Sayers   Council
Cr Peter Milsom Council
Dawn Prust   Holiday Home Area Representative
Bill Fraser   Holiday Home Area Representative
Trevor Donaldson  Holiday Home Area Representative
Mark Dyson   Holiday Home Area Representative

IN ATTENDANCE:
Mr KL Goldstone  Director – Development & Environmental Services
Mr RS Bourne   Director – Corporate & Financial Services
Ms CL Thomas  Manager – Health Services
Mr DJ Reid   CWMS Maintenance Officer
Mrs MJ Marschall  Minute Secretary

COMMENCEMENT AND WELCOME:  10.30 AM
The Acting Chairperson declared the meeting open and welcomed all members.

APOLOGIES:
Mayor Dave Burgess, Cr Peter Raison & Stephen Nicolson

101/1 Cr Myers moved that the apologies be received.
Seconded D Prust.  CARRIED.

CONFIRMATION OF PREVIOUS MINUTES:
(Page 88 – 14/12/2012)

101/2 B Fraser moved that the Minutes of the Mid Murray Council CWMS Advisory Committee Meeting held on 14 December, 2012, be taken as read and confirmed.
Seconded Cr Sayers.  CARRIED.
CWMS REPORT:  See Minute Book Pages 104 – 115.

102/1 D Prust moved that the report be received.  
Seconded Cr Sayers.  
CARRIED.

**Installation of a Telemetry Monitoring Alarm System at South Punyelroo and Caloote Landing CWMS**

102/2 M Dyson moved that it be recommended to Council that Council purchase telemetry monitoring alarms systems priced at $1,850.00 per unit for the following CWMS pump stations:

- 3 units for South Punyelroo CWMS at a total cost of $5,550.00.
- 1 unit for Caloote Landing CWMS at a total cost of $1,850.00.

Seconded Cr Sayers.  
CARRIED.

**CWMS Operational Financial Forecast**

102/3 B Fraser moved that the CWMS Advisory Committee accepts the “Predicted Operational Forecast” prepared by the CWMS staff and use this information to assist with determining the annual maintenance fee and the Manager - Health Services prepare an annual “Predicted Operational Forecast” for the CWMS budget outlining expected costs for each CWMS for the future 5 years.  
Seconded T Donaldson.  
CARRIED.

**Pellaring Flat CWMS – Upgrade Options Report**

102/4 M Dyson moved that a sub-committee be formed to negotiate with the Pellaring Flat land owner and shack owners regarding upgrade options for the Pellaring Flat CWMS.  The sub-committee to comprise the following committee members:-

- Cr Hall
- D Prust
- M Dyson
- T Donaldson.

Seconded D Prust.  
CARRIED.

11.48 AM  B Fraser left the meeting.
CWMS REPORT CONT’D:

CWMS Electricity Expenditure

11.52 AM B Fraser returned to the meeting.

During discussion on this item the Director – Development & Environmental Services raised the option of obtaining energy audits of the various treatment plants to assist with reducing power costs. Generally agreed this should be pursued.

103/1 D Prust moved that the CWMS Maintenance Officers continue to take monthly electrical readings for selected CWMS and provide a report to the next meeting on further improvements that can be undertaken to reduce electricity consumption. Seconded B Fraser. CARRIED.

CWMS FINANCIAL REPORT:

103/2 Cr Sayers moved that the financial report be received. Seconded Cr Myers. CARRIED.

A copy of the CWMS Financial Report for the period 1/7/2012 to 30/6/2013 had been forwarded to all members.

Query raised regarding amortization of assets. The Director – Corporate & Financial Services to follow up.

OTHER BUSINESS:

Nil.

LATE CORRESPONDENCE:

Nil.

NEXT MEETING:

To be held in the Meeting Room of the Council Offices, 49 Adelaide Road, Mannum on Friday, 22 November, 2013 commencing at 10.30am.

CLOSURE:

12.08 PM The Acting Chairperson declared the meeting closed.
A. CWMS Maintenance Officer Report

**Reporting Officer**  Darren Reid  
**Position**  CWMS Maintenance Officer

All plant servicing is up to date and all water testing complete. We have completed June water testing and Bowhill water readings.

Peter and I have completed our required tasks.

Most call outs were only minor as listed. Caurnamont and Brenda Park both had problems with pumps blocking due to high usage and overloading.

Have met with the CWMS team from Yorke Peninsula to inspect their systems. We have taken a lot of information away in regards to Job Safety Analysis and Safe Operating Procedures and how we can implement new systems for our plants.

The Environment Protection Authority has scheduled more inspections of sites as per our licence requirements, these will continue. Most sites will now be inspected on a 12 monthly basis.

**Works to be completed:**

- Finish off aluminium lids to remaining plants.
- Possible hand railing and planking to plants above 1 metre in height or as determined by a risk assessment.
- Painting of plants progressing as time permits.
- Aerator upgrades to EWS plants.
- GPS marking of all connections, drains and pressure mains to match what is in the ground to assist with day to day work and information when contractors are required to dig in roadways.
- Irrigation site repairs to meet licensing requirements, fencing and signage as required.
- Alarm repairs to various sites celvisor type, pump station control repairs, aerator repairs to Brenda Park and Bowhill when contractors available. Pump repair at Julanker Holdings replace main seal.
### Call Out Summary

<table>
<thead>
<tr>
<th>Date</th>
<th>Scheme</th>
<th>Problem</th>
</tr>
</thead>
<tbody>
<tr>
<td>26/12/2012</td>
<td>Bowhill</td>
<td>Alarm, fault reset</td>
</tr>
<tr>
<td>27/12/2012</td>
<td>Caurnamont</td>
<td>Flow switch fault</td>
</tr>
<tr>
<td>28/12/2012</td>
<td>Walker Flat</td>
<td>Connection leaking</td>
</tr>
<tr>
<td>29/12/2012</td>
<td>Caurnamont</td>
<td>High level, no flow</td>
</tr>
<tr>
<td>30/12/2012</td>
<td>Caurnamont</td>
<td>Decant, high level</td>
</tr>
<tr>
<td>30/12/2012</td>
<td>Caurnamont</td>
<td>Toilet sump fault</td>
</tr>
<tr>
<td>30/12/2012</td>
<td>Caloote</td>
<td>High level sump</td>
</tr>
<tr>
<td>31/12/2012</td>
<td>Caurnamont</td>
<td>Decant fault</td>
</tr>
<tr>
<td>1/1/2013</td>
<td>Caloote</td>
<td>High level</td>
</tr>
<tr>
<td>1/1/2013</td>
<td>Seven Mile</td>
<td>No flow</td>
</tr>
<tr>
<td>1/1/2013</td>
<td>Bowhill</td>
<td>High level</td>
</tr>
<tr>
<td>1/1/2013</td>
<td>Caurnamont</td>
<td>Decant, no flow</td>
</tr>
<tr>
<td>1/1/2013</td>
<td>Brenda Park</td>
<td>High level, pumper in</td>
</tr>
<tr>
<td>1/1/2013</td>
<td>Blanchetown Vessel</td>
<td>High level, pumper in</td>
</tr>
<tr>
<td>1/1/2013</td>
<td>Caurnamont</td>
<td>Plan problems</td>
</tr>
<tr>
<td>5/1/2013</td>
<td>Brenda Park</td>
<td>High level</td>
</tr>
<tr>
<td>20/1/2013</td>
<td>Seven Mile</td>
<td>No flow both pumps &amp; high level</td>
</tr>
<tr>
<td>26/1/2013</td>
<td>Blanchetown Vessel</td>
<td>High level</td>
</tr>
<tr>
<td>27/1/2013</td>
<td>Marks Landing</td>
<td>Switch fault</td>
</tr>
<tr>
<td>2/3/2013</td>
<td>Seven Mile</td>
<td>No flow pumps 1 &amp; 2</td>
</tr>
<tr>
<td>3/3/2013</td>
<td>Seven Mile</td>
<td>No flow pumps 1 &amp; 2</td>
</tr>
<tr>
<td>11/3/2013</td>
<td>Marks Landing</td>
<td>Overload, high level</td>
</tr>
<tr>
<td>23/3/2013</td>
<td>Bowhill</td>
<td>New level transducer fit, still no good</td>
</tr>
<tr>
<td>24/3/2013</td>
<td>Caurnamont</td>
<td>High level, no flow</td>
</tr>
<tr>
<td>29/3/2013</td>
<td>Marks Landing</td>
<td>No alarm</td>
</tr>
<tr>
<td>29/3/2013</td>
<td>Bowhill</td>
<td>Alarm</td>
</tr>
<tr>
<td>30/3/2013</td>
<td>Bowhill</td>
<td>Alarm</td>
</tr>
<tr>
<td>30/3/2013</td>
<td>Caurnamont</td>
<td>Alarm, both pumps running</td>
</tr>
<tr>
<td>5/4/2013</td>
<td>Walker Flat</td>
<td>Blower fault</td>
</tr>
<tr>
<td>30/6/2013</td>
<td>Blanchetown</td>
<td>Repair leak on Page Drive</td>
</tr>
</tbody>
</table>
## CWMS Maintenance Officer Report cont’d

### Completed Works

<table>
<thead>
<tr>
<th>Month</th>
<th>Completed Works</th>
</tr>
</thead>
</table>
| December 2013 | Sumps at Idyll Acres cleaned out  
Air pipe repair at Swan Reach Vessel  
Cleaned filter and flushed lines at Bowhill water  
Tenbury Hunter inspection point cap and cover near tank  
Electrical timer at Teal Flat  
Contactors replaced at Teal Flat  
Mowing at Hettner Landing  
Tree trimming completed at Truro irrigation site |
| January 2013  | Painting at Walker Flat  
Clean irrigation tank out at Brenda Park  
Clean irrigation tank out at Caurnamont  
Blanchetown Vessel sump  
Pipe in shed repair at Caurnamont  
Replace pump at Blanchetown  
Communications fault at Swan Reach Vessel  
Leak at Idyll Acres where grader went down  
Bearings in motor at Bowhill pump  
Non return valves at Rob Loxton Road/Walker Flat  
Pumps not big enough at Morgan public toilets  
Replace non return valves at site 130 Scotts Creek  
Walker Flat treatment plant painted  
Walker Flat Vessel painted  
Bowhill water spare water pump |
| February 2013 | Electrical repairs at Wongulla  
HR meter repaired at Seven Mile  
Leak at Blanchetown irrigation site |
| March 2013    | Electrical work at Walker Flat boat ramp toilets  
Bowhill water sump cleaned out, pump replaced  
Swan Reach cemetery fence completed  
Morgan Caravan Park tank cleaned out  
Swan Reach Vessel painted  
Marks Landing sump pumps reset |
| April 2013    | Teal Flat rotary valve unserviceable  
Main tank pumped at North West Bend  
Electrical work at Swan Reach  
Teal Flat irrigation site mowed  
Timer repaired at Truro  
Repair leak at Blanchetown irrigation site  
Big Bend painted  
Bowhill computer problems  
Pelican Point alarm  
Scotts Creek painted |

For information.
B. Installation of a Telemetry Monitoring Alarm System at South Punyelroo and Caloote Landing CWMS

**Reporting Officer**  
Caroline Thomas

**Position**  
Manager – Health Services

**Report Purpose**

Seeking approval to install telemetry monitoring alarm systems on the South Punyelroo pump stations and Caloote Landing pump station.

**Introduction/Background**

Following a recent incident of a minor sewerage overflow from pump station 2 at South Punyelroo caused by an electrical failure, it was acknowledged that due to the lack of an appropriate monitoring system installed, Council was not aware of this incident until a complaint was received by a ratepayer.

Attached are the 2 letters received following the incident and it is noted that the 3 pump stations at South Punyelroo are not equipped with any sort of monitoring system. At best, they have a red light that flashes if something is wrong which does not comply with the legislation. Council is only made aware of issues if they coincidentally occur when staff are present or if contacted by a ratepayer.

Following the incident, Council has since received a quote to have a telemetry monitoring alarm system installed on the three pump stations at a total cost of $5,550.00 which equates to $1,850.00 per sump.

Caloote Landing is also in the same predicament and currently has no other method of alarm apart from a red light. A telemetry monitoring alarm system is also required at this site at a cost of $1,850.00.

**Conclusion**

Without the installation of the telemetry monitoring alarm system we continue to face the possibility of potential overflows that we may not be aware of until a resident contacts us which may also place us under scrutiny from the Environment Protection Authority.

**Recommendation**

Moved __________________ Seconded __________________

that it be recommended to Council that Council purchase telemetry monitoring alarms systems priced at $1,850.00 per unit for the following CWMS pump stations:

- 3 units for South Punyelroo CWMS at a total cost of $5,550.00.
- 1 unit for Caloote Landing CWMS at a total cost of $1,850.00.
C. **Truro CWMS Update**

**Reporting Officer**  Caroline Thomas  
**Position**  Manager – Health Services  

**Report Purpose**

To advise members of the progress of the Truro CWMS.

**Introduction/Background**

As members may be aware, Council was successful in receiving $100,000.00 in seed funding from the Local Government Association Community Wastewater Management Scheme in October 2012 for the investigation and design of a CWMS for the Truro township.

A project management team was appointed to oversee the investigation of the CWMS which consists of Mike Meachan (LGA representative), Michael Stephenson (LGA consultant) and Caroline Thomas (Mid Murray Council).

After further investigation by Mike Stephenson, three options were established:

- Conventional treatment plant located at the Council depot and irrigate the town oval with treated wastewater;
- Evaporative Lagoon system located near the ABC quarry;
- Pumping effluent to the Stockwell treatment plant located in The Barossa Council for treatment and disposal.

After undertaking a survey and geotechnical data, which included a ‘dial before you dig’ request at various locations, it was identified that a fibre optic cable was located through a portion of the Council depot land. As development cannot occur near the fibre optic cable, the Council depot land was consequently ruled out.

There are now two remaining options available, those being:

- Evaporative Lagoon system located near the ABC quarry;
- Pumping effluent to the Stockwell treatment Plant located in the Barossa Council for treatment and disposal.

A meeting was recently held with the Truro & Districts Community Association to advise of the investigations so far and outline the options available. The Association appeared supportive of the process and the options available.

**Conclusion**

Negotiations are still continuing with all parties and the members of the CWMS Advisory Committee will be updated at the next meeting of further developments.

For information.
D. CWMS Operational Financial Forecast

Report Purpose

To advise members of the potential costs, excluding breakdowns for the next two year period.

Introduction/Background

Staff have always faced the continual challenge to ensure that the CWMS are operating within acceptable financial limits to achieve legislative and operational compliance which is becoming increasingly difficult to achieve. Whilst both Darren and Peter do an exceptional job in ensuring that the systems remain operating and respond to call outs, without upgrading some of the older infrastructure, more time will need to be spent coming up with 'band-aid' fixes. As such Council staff have developed a ‘Predicted Operational Forecast’ for the next two years (attached). This forecast outlines the larger items that will need replacing in the near future with a predicted cost so that members have a better understanding of the complexity of ensuring the systems are running in accordance with legislative requirements.

It is important to note that these predicted costs are based on what we know now as a foreseen issue. Unforeseen issues such as pump failure and replacement is something that we can’t really predict. The spreadsheet does not take into account the CWMS Maintenance Officers costs as this is based purely on maintenance costs.

Conclusion

The spreadsheet provides guidance on future costs and with the spreadsheet being reviewed annually it may also be useful in assisting with determining the annual maintenance fee.

Recommendation

Moved __________________ Seconded __________________

that the CWMS Advisory Committee accepts the “Predicted Operational Forecast” prepared by the CWMS staff and use this information to assist with determining the annual maintenance fee and the Manager - Health Services prepare an annual ‘Predicted Operational Forecast” for the CWMS budget outlining expected costs for each CWMS for the future 24 months.
E. **Visit to the Yorke Peninsula Council CWMS Section**

**Reporting Officer**
Caroline Thomas

**Position**
Manager – Health Services

**Report Purpose**
To provide members with a short presentation of the findings from our recent visit to the Yorke Peninsula Council.

**Introduction/Background**
Yorke Peninsula is one of the few Councils that is similar to Mid Murray Council in relation to the number and operation of their CWMS.

The Yorke Peninsula Council currently has 17 CWMS with 6 installed by Environmental Waste Services (EWS), 10 Aeroflo/Copa Water CWMS and 1 Mercater CWMS. These CWMS range in connections from 1007 to 23 connections.

Yorke Peninsula has one CWMS Infrastructure Coordinator and one and half CWMS Maintenance Officers that manage solely the CWMS infrastructure.

Based on the similarities between Councils, Warren Couzens (WHS Officer), Peter Soar, Darren Reid and Caroline Thomas spent a day with Grant Smith, CWMS Infrastructure Coordinator and the CWMS Maintenance Officers.

Initially we met with the WHS Officer to develop an understanding of their approach to WHS as well as review the Job Safety Analysis (JSA’s) sheets and Safe Working Procedures (SWP’s) that are used.

We then visited three sites – Maitland, Ardrossan and Rogues Point to inspect their CWMS.

**What did we get out of it?**

- The four staff that visited the Yorke Peninsula Council received an invaluable insight into the operations of a like-minded Council and this information can now be used to improve our processes and operations.

- We now have copies of WHS documentation that has been designed specifically for CWMS. This will assist us in updating our WHS processes including risk assessments on each site and developing our ‘working at heights’ action plan.

- An understanding of how they prioritise their work.

- Relevant staff contacts within another Council.

For information.
F. Cowirra CWMS

**Reporting Officer** Kelvin Goldstone  
**Position** Director – Development & Environmental Services

**Report Purposes**

To advise members of a resolution of Council to conduct a survey of Cowirra residents in relation to the installation of a CWMS.

**Discussion**

Council’s Development Assessment Panel considered an application for the construction of a new dwelling at Cowirra. There was considerable debate on the application and Council’s Development Plan provisions which clearly make development (including new shacks, major shack redevelopment etc.) in shack site areas of five or more shacks, not serviced by a CWMS, non-complying. In short where a CWMS is not provided development is severely restricted.

The Panel resolved to recommend to Council that a fresh survey of Cowirra residents to determine the level of support for the installation of a CWMS had merit.

Council agreed with the Panel’s recommendation and resolved to proceed with a survey. A copy of the report to Council in relation to the matter is attached.

Survey documents are currently being prepared and it is anticipated the survey will be conducted during August/September of this year. This will coincide with the outcome of the LGA CWMS project referred to in the report.

For information.
G. CWMS Maintenance and Financial Issues Meeting Notes

**Reporting Officer**  Kelvin Goldstone  
**Position**  Director – Development & Environmental Services  

### Report Purposes

To table notes from a meeting held to discuss financial and other issues associated with CWMS as agreed by the Committee at the 14 December 2012 meeting.

### Discussion

The attached notes summarises issues discussed at a meeting held on 8 May 2013.

It was agreed the meeting notes would be tabled on the agenda of this meeting to enable further discussion and consideration.
H. Pellaring Flat CWMS – Upgrade Options Report

Reporting Officer: Kelvin Goldstone
Position: Director – Development & Environmental Services

Report Purposes

To table for consideration a copy of the Tonkin Consulting – Pellaring Flat Upgrade Options Report.

Introduction/Background

Committee members would be well aware of the background and ongoing issues associated with the Pellaring Flat CWMS. Whilst explained in detail in the enclosed report the following is an edited summary.

1. The Pellaring Flat scheme was installed privately without Council involvement by M & R Salisbury to service the twenty two shacks at Pellaring Flat.

2. The scheme was completed and became operational in late 1996. In accordance with SA Health Commission approval conditions, the scheme was transferred to Council during 2004.

3. Due to ongoing operational concerns Council appointed Tonkin Consulting to review the system and provide recommendations to improve the systems effectiveness and achieve compliance with Department of Health regulations.

4. A report was provided by Tonkin Consulting and considered by the Committee ultimately resulting in a resolution to focus on an upgrade of the soakage trench disposal area.

5. Tonkin Consulting were instructed to undertake a detailed design and develop tender documents for the agreed upgrade works.

6. More recently additional deficiencies associated with the rising main (from the pump sump to the disposal area) were discussed which lead to proposed soakage trench upgrade works being put on hold.

7. Finally due to issues regarding the current alignment of the rising main, the size and quality of the rising main, issues with the unorthodox pumping arrangement and previously identified deficiencies with the soakage trench disposal system, Tonkin Consulting were again requested to undertake a detailed review and to determine the most appropriate option to upgrade the CWMS to comply with current regulations.

8. The Upgrade Options Report enclosed with this report addresses all identified deficiencies and provides upgrade options with cost estimates.

Based on the information and costs provided indicative figures on a per connection cost basis (based on 22 connections) for both listed options are summarised below.
### H. Pellaring Flat CWMS – Upgrade Options Report cont’d

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
<th>Total Cost Estimate</th>
<th>Per Connection Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Required upgrade with rising main on existing alignment via easement over private property</td>
<td>$211,000</td>
<td>$9,500</td>
</tr>
<tr>
<td>2</td>
<td>Required upgrade with rising main along road alignment</td>
<td>$272,000</td>
<td>$12,363</td>
</tr>
</tbody>
</table>

Issues of financial arrangements and consultation requirements of the Local Government Act will need consideration.

**Summary**

It is clear there are significant deficiencies with the Pellaring Flat CWMS which need to be addressed to ensure compliance with approval conditions, current SA Health regulations and Environment Protection Act obligations.

Issues of determining the preferred upgrade option, costs, finance options and consultation requirements need consideration.

For consideration.
I. CWMS Electricity Expenditure

**Reporting Officer**  
Caroline Thomas  
**Position**  
Manager – Health Services

**Report Purpose**

To provide members with an update on the electricity use and expenditure for all CWMS.

**Introduction/Background**

Members have previously raised concerns relating to the considerable disparity of electrical costs between each CWMS.

A review of the electrical accounts for each CWMS has been undertaken for the 2012 period and is attached for the members information.

Some changes have already been implemented such as the replacement of aerators at Teal Flat and Pelican Point from 3 kW units to 1.5 kW units and aeration times have been altered on most sites.

We have already seen a 600 kW reduction in electricity use over the last 6 months at Teal Flat however due to further price rises this will not be reflected in the total cost savings.

After reviewing the recent electrical accounts, it was noted that some of the readings are estimated and consequently cannot give an accurate portrayal of electricity use. To provide a better indication of the electricity use now that some changes have been implemented, the CWMS Maintenance Officers will record the meter readings when the fortnightly maintenance checks occur and provide an updated spreadsheet at the next CWMS Advisory Committee meeting.

**Recommendation**

Moved __________________ Seconded __________________

that the CWMS Maintenance Officers continue to take monthly electrical readings for selected CWMS and provide a report to the next meeting on further improvements that can be undertaken to reduce electricity consumption.

Kelvin Goldstone,

**Director - Development & Environmental Services**