COMMENCEMENT AND WELCOME: 10.30 AM

The Chairperson declared the meeting open and welcomed all members.

APOLOGIES:

Cr Ken Sayers & Cr Peter Raison

116/1 D Prust moved that the apologies be received.
Seconded T Donaldson.  

CONFIRMATION OF PREVIOUS MINUTES:

(Page 101 – 19/7/2013)

116/2 Cr Hall moved that the Minutes of the Mid Murray Council CWMS Advisory Committee Meeting held on 19 July, 2013, be taken as read and confirmed.
Seconded D Prust.  

CARRIED.
 CWMS REPORT: 
See Minute Book Pages 120 – 127.

117/1 D Prust moved that the report be received.  
Seconded M Dyson.  
CARRIED.

Pellaring Flat CWMS

10.32 AM Mr Chris Salisbury in attendance.

The Manager – Health Services advised that Mr John Price was unable to attend the meeting and requested that the matter be deferred until such time as he could obtain independent engineering advice (at his own cost).

10.40 AM D Reid entered the meeting.

The Manager – Health Services also advised that due to some minor works being undertaken at the site, that if the matter is deferred, it could provide a better understanding of the deficiencies contained within the Tonkin report during the peak season.

General discussion ensued.

117/2 Cr Hall moved that the matter be deferred and that the sub-committee meet on Friday, 7 February 2014 to discuss the independent engineering advice to be provided by Mr Price and the deficiencies contained within the Tonkin report. 
Seconded B Fraser.  
CARRIED.

10.59 AM Mr Salisbury left the meeting.

Swan Reach Hall – Potential Connection to the Marks Landing CWMS

117/3 Cr Hall moved that it be recommended to Council that the Swan Reach Hall be granted permission to connect to the Marks Landing CWMS based on a full capital contribution and a maintenance cost of one shack equivalent.
Seconded Cr Myers.  
CARRIED.

CWMS Mower Trailer

117/4 Cr Myers moved that it be recommended to Council that the purchase of a CWMS mower trailer be authorised and the quote from Brooks Trailers in the amount of $8,250 be endorsed. 
Seconded Cr Hall.  
CARRIED.

CWMS Treatment Plants – Energy Audits

117/5 D Prust moved that it be recommended to Council that Council does not proceed with energy auditing of CWMS treatment plants.  
Seconded T Nicolson.  
CARRIED.
CWMS FINANCIAL REPORT:

118/1 S Nicolson moved that the financial report be received. Seconded D Prust. CARRIED.

A copy of the CWMS Financial Report for the period 1/7/2013 to 31/10/2013 had been forwarded to all members.

The Director – Corporate & Financial Services distributed a spreadsheet containing CWMS operating income and expenditure for the period 1/7/2013 to 31/10/2013.

Sinking Fund

M Dyson raised the issue of a sinking fund for all schemes. Report to be prepared for the next meeting and it to include of copy of the CWMS Review Report prepared by Development Answers.

OTHER BUSINESS:

Non-Connection to CWMS

Query raised regarding properties not yet connected to CWMS. The Manager – Health Services to revisit.

Rob Loxton Road End Allotments

Query raised regarding the status of the Development Plan Amendment which will rezone the allotments at the end of Rob Loxton Road. The Director – Development & Environmental Services advised that the Development Plan Amendment is currently with the Minister for Planning for approval to commence public consultation.

Blanchetown Blowers

Resolved that the CWMS Maintenance Officer obtain costs for replacement blowers at Blanchetown.

LATE CORRESPONDENCE:

Nil.

NEXT MEETING:

To be held in the Meeting Room of the Council Offices, 49 Adelaide Road, Mannum on Friday, 21 February, 2014 commencing at 10.30am.
CLOSURE:

11.45 AM The Chairperson declared the meeting closed.

........................................
CHAIRPERSON

........................................
DATE
A. Pellaring Flat CWMS

Reporting Officer
Kelvin Goldstone
Position
Director – Development & Environmental Services

Report Purposes
To provide an update in relation to upgrade options associated with the Pellaring Flat CWMS as detailed in the Tonkin Consulting report.

Discussion
The attached report was tabled at the July meeting. Following discussion on the report it was resolved that a sub-committee be formed to negotiate with the Pellaring Flat landowner and shack owners matters relating to scheme upgrade options.

The sub-committee comprising Cr Hall, D Prust, M Dyson & T Donaldson together relevant Council staff subsequently met with the landowner Chris Salisbury and shack owner John Price.

Following substantial discussion it was agreed that John and Chris should be given time to examine the Tonkin report in detail and be invited to attend the November CWMS Advisory Committee meeting.

To assist in debate the following is a list of deficiencies/relevant matters, primarily identified within the Tonkin report. These matters will need to be addressed as part of any resolution relating to future scheme upgrade works.

1. Pump station 2 is located within privately owned shed on private land. The shed and other private infrastructure within it is owned by Mr Salisbury’s Estate. Problems identified:-
   - poor lighting
   - trip hazards
   - unsecured pumps
   - structural integrity of the shed and overhead tank arrangement
   - shed access not controlled
   - scheme control switching not isolated.

2. Rising Main – The rising main from pump station 2 to the designated disposal site crosses two private land holdings. Problems identified:-
   - easements not in Council’s name
   - rising main undersized
   - main damaged
   - wastewater not reaching disposal site
   - no control of farming and land use activities that may impact the main
   - rising main installation depth queried.
A. **Pellaring Flat CWMS cont’d**

3. Wastewater Disposal System – The disposal system comprises sub-surface soakage trenches located approximately 850m north west of the shack area across the Mannum-Purnong Road. Identified problems:

   - wastewater distribution system (incorporating adjustable ball valves) not reliable in terms of even flow distribution
   - system previously determined to be non-compliant with Department of Health guidelines and not suitably sized for adopted flows
   - incorrect installation depth.

The Tonkin report provides detailed discussion on the above and provides costed upgrade options.

As summarised on Page 20 of the report the following is an upgrade summary:

1. Upgrade pump station 1 to allow direct pumping of wastewater to the disposal site and abandon pump station 2. (Overcomes issues in point 1 above).

2. Construct a new 75mm HDPE rising main from pump station 1 to the disposal site either:

   i) along the existing rising main alignment; or
   ii) along road alignments.

   (Overcomes issues in point 2 above).

3. Upgrade to soakage trench system as per the previous Tonkin Consulting design. (Overcomes issues in point 3 above).

Ultimately Council, being responsible for the ongoing operation and maintenance of the system, must ensure all identified deficiencies/issues are addressed and that the system complies with approved conditions, current SA Health Regulations and Environment Protection Authority obligations.

Ideally all scheme infrastructure should be on public/Council controlled land, not accessible by the public, with correctly installed components that are accessible by maintenance staff.

For discussion.
B. **CWMS Maintenance Officer Report**

**Reporting Officer**  
Darren Reid

**Position**  
CWMS Maintenance Officer

All plant servicing is up to date and all water testing complete.

Most call outs were only minor problems as listed below.

South Punyelroo sump 1 pumps have been cleaned out on several occasions and found to have a build up of accumulated material. A letter will be sent reminding residents not to flush sanitary product down toilets.

Teal Flat blower upgrade complete and silencers fitted to plant.

Teal Flat and Old Teal Flat WWTP painted.

Telemetry alarms now fitted to three South Punyelroo sumps & one at Caloote Landing sump.

Bowhill water has a new control fitted and is now operating satisfactory.

Environment Protection Authority has visited Teal Flat re a noise complaint. Blowers and silencers have now been fitted and the Environment Protection Authority will need to inspect again to re-test the noise level.

**Works to be Completed**

Finish off aluminium lids to remaining plants as time and funds permit.

Painting of plants progressing as time permits.

Aerator upgrades to EWS plants ongoing.

Irrigation site repairs to meet licensing requirements, fencing and signage as required.

**Call Out Summary**

<table>
<thead>
<tr>
<th>Date</th>
<th>Scheme</th>
<th>Problem</th>
</tr>
</thead>
<tbody>
<tr>
<td>13/7/2013</td>
<td>Caurnamont</td>
<td>High level, no flow, decant fault, reprime reset</td>
</tr>
<tr>
<td>27/7/2013</td>
<td>Caurnamont</td>
<td>High level, decant fault, reprime</td>
</tr>
<tr>
<td>10/8/2013</td>
<td>South Punyelroo</td>
<td>Sump 1 overload</td>
</tr>
<tr>
<td>15/8/2013</td>
<td>Caurnamont</td>
<td>Power failure (storms), reset</td>
</tr>
<tr>
<td>20/8/2013</td>
<td>Pelican Point</td>
<td>Pump no flow</td>
</tr>
<tr>
<td>24/8/2013</td>
<td>Bowhill Water</td>
<td>No water, turn power off, reboot system</td>
</tr>
<tr>
<td>12/9/2013</td>
<td>Bowhill Water</td>
<td>Over current fault, new drive</td>
</tr>
<tr>
<td>13/9/2013</td>
<td>Bowhill Water</td>
<td>Over current fault, new drive</td>
</tr>
<tr>
<td>14/9/2013</td>
<td>Bowhill Water</td>
<td>Over current fault, new drive</td>
</tr>
<tr>
<td>14/9/2013</td>
<td>Caurnamont</td>
<td>High pump 1 lost prime</td>
</tr>
<tr>
<td>15/9/2013</td>
<td>Bowhill Water</td>
<td>Over current fault, new drive</td>
</tr>
<tr>
<td>22/9/2013</td>
<td>Bowhill Water</td>
<td>Variable frequency drive shut down</td>
</tr>
</tbody>
</table>
B. **CWMS Maintenance Officer Report cont’d**

**Call Out Summary cont’d**

<table>
<thead>
<tr>
<th>Date</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>22/9/2013</td>
<td>Caurnamont</td>
<td>High level irrigation tank, decant run over, reprime</td>
</tr>
<tr>
<td>28/9/2013</td>
<td>Idyll Acres</td>
<td>High level sump 2</td>
</tr>
<tr>
<td>5/10/2013</td>
<td>Bowhill</td>
<td>Irrigation high level</td>
</tr>
<tr>
<td>6/10/2013</td>
<td>Bowhill Water</td>
<td>Shacks 50 &amp; 52 no water pressure</td>
</tr>
<tr>
<td>7/10/2013</td>
<td>Bowhill Water</td>
<td>Over current fault, new drive</td>
</tr>
<tr>
<td>13/10/2013</td>
<td>Marks Landing</td>
<td>Sump 1 power failure (storms), reset</td>
</tr>
<tr>
<td>17/10/2013</td>
<td>Bowhill Water</td>
<td>Over current fault, new drive</td>
</tr>
<tr>
<td>4/11/2013</td>
<td>South Punyelroo</td>
<td>Sump 1 both pumps overloaded, reset and lift to clean</td>
</tr>
</tbody>
</table>

**Completed Works**

<table>
<thead>
<tr>
<th>Month</th>
<th>Completed Works</th>
</tr>
</thead>
<tbody>
<tr>
<td>July 2013</td>
<td>Liquid chlorine and non return vales required at Scotts Creek</td>
</tr>
<tr>
<td></td>
<td>Non return valves required at Morgan Caravan Park</td>
</tr>
<tr>
<td></td>
<td>Tank cleaned out at Morgan Caravan Park</td>
</tr>
<tr>
<td></td>
<td>Floats required in two irrigations tanks at Idyll Acres</td>
</tr>
<tr>
<td>August 2013</td>
<td>Replaced batteries at Idyll Acres</td>
</tr>
<tr>
<td></td>
<td>Pumps cleaned out in sumps 1 and 2 at South Punyelroo</td>
</tr>
<tr>
<td></td>
<td>Alarm at sump at Caloote installed</td>
</tr>
<tr>
<td>October 2013</td>
<td>Teal Flat and Old Teal Flat painted</td>
</tr>
<tr>
<td>November 2013</td>
<td>Sump 1 at South Punyelroo</td>
</tr>
<tr>
<td></td>
<td>Blower installed at Swan Reach Vessel</td>
</tr>
</tbody>
</table>

For information.
C. **Truro CWMS Update**

**Reporting Officer**  
Caroline Thomas

**Position**  
Manager – Health Services

**Report Purpose**

To update members on the progress of the Truro CWMS.

**Introduction/Background**

As members may be aware, Council was successful in receiving $100,000 in seed funding from the Local Government Association Community Wastewater Management Committee in October 2012 for the investigation and design of a CWMS for the Truro township.

Following an in principle agreement from The Barossa Council, the wastewater from Truro will now be pumped to the Stockwell Treatment Plant. A formal agreement is now being prepared between the two Councils.

Tenders for the design of the scheme only will soon be called so that an accurate design and costing can be obtained.

Members will be provided with a further update at the next meeting.

For information.
D. **Swan Reach Hall – Potential Connection to the Marks Landing CWMS**

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

**Report Purpose**  
To discuss options relating to the disposal of wastewater from the Swan Reach Hall.

**Introduction/Background**  
The Swan Reach Hall Committee have approached Council to investigate whether there is potential to connect into either of the CWMS' located in Swan Reach. The Hall Committee has applied for grant funding to upgrade the hall, namely the kitchen and toilet areas. As they are adding extra facilities onto the existing wastewater system, an upgrade of the wastewater system will be required however given the proximity of the hall to the watercourse an onsite system is not feasible. Their only option, apart from a holding tank, is to connect into the CWMS, most likely Marks Landing.

**Discussion**  
The suggestion has been made that an aerobic system be installed and they pump directly to the irrigation area via our rising main or alternatively, dependant upon pipe location, a connection directly into the treatment plant.

The inflow into the system will not be a huge burden on the existing treatment plant with the hall hosting quarterly dinners with a maximum of 100 people at these events and no more than 20 people there each week to run their second hand shop.

In relation to the capital and maintenance costs, given it is a community hall the following costs should be applied:-

**Connection to the Marks Landing CWMS**  
- Full capital contribution  
- Maintenance cost – 1 shack equivalent.

**Connection to the Rising Main and Irrigation Area Only**  
- 30% of original capital contribution  
- 30% of maintenance cost.

**Conclusion**  
Whilst the grant submission has been submitted it is still unclear whether approval has or will be granted. If the grant is refused then no works will occur at this stage.

Additional information will be provided at the meeting.

For discussion.
E. **CWMS Mower Trailer**

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

Council currently has a ride-on mower designated for the maintenance of CWMS irrigation sites. The mower is currently transported to various sites via a Council trailer on a shared use arrangement.

Due to increased difficulties in terms of the trailer’s availability it is considered necessary to purchase a trailer specifically for the CWMS mower and other uses by CWMS maintenance staff.

Quotes have been obtained and an appropriate trailer can be sourced for $8,250 gst exclusive.

There is no specific allocation in the 2013/14 budget for the purchase of the trailer, the cost of which will presumably be shared across the various scheme accounts.

**Recommendation**

Moved __________________  Seconded __________________

that it be recommended to Council that the purchase of a CWMS mower trailer be authorised and the quote from Brooks Trailers in the amount of $8,250 be endorsed.
F. CWMS Treatment Plants – Energy Audits

Reporting Officer  Kelvin Goldstone  
Position    Director – Development & Environmental Services

Report Purpose

To table information and submissions relating to energy auditing of CWMS treatment plants.

Discussion

At the July CWMS Advisory Committee meeting there was discussion on energy costs associated with the various treatment plants. The options of pursuing energy audits to assist in the possible reduction of power costs was considered to have merit.

Contact has been made with a number of companies resulting in submissions being received from:

- Tonkin Consulting
- Carbonetix
- Environmental Water Services.

Copies of the submissions are attached.

Due to agenda preparation timelines a detailed review of the submissions had no occurred at the time of writing this report.

An evaluation of the submissions and additional information will be provided at the meeting.

For information.

Kelvin Goldstone,  
Director - Development & Environmental Services