



**EASTERN TREATMENT PLANT  
Community Liaison Committee  
MINUTES OF MEETING  
10 December 2009**

<b>PRESENT</b>	<b>APOLOGIES</b>
Les Williams (Edithvale-Seafood Community Member)	Alan Hood (Bangholme Rural Land Holders' association)
Barry Ross (Friends of Edithvale-Seafood Wetlands)	Michael Carter (Birds Australia)
Anne Martin (Carrum Indigenous Nursery)	Anton Vigenser (Clean Ocean Foundation)
Colin Hughes (Melbourne Water)	Desiree Lovell (City of Kingston)
Mark Upton (Mornington Peninsula Shire Council)	Darren Wilson (City of Greater Dandenong)
Pat King (Patterson Lakes/Carrum Village Committee)	Marc Cassanet (EPA Victoria)
Jon Theobald (South East Water)	Susanna Young (EPA Victoria)
Mike Smith (Melbourne Water)	Colin Addison (Gunnamatta Surf Life Saving Club)
	David Hill (Melbourne Water)
<b>GUESTS</b>	Phil Pearmain (Melbourne Water)
Dr Dan Deere (Water Futures)	Erin Furmanczyk (Melbourne Water)
Dr Mark Lynch (Melbourne Water)	Gidja Walker (Southern Peninsula Indigenous Flora & Fauna Association)
	Murray Turner (Surfrider Foundation)
<b>CHAIR</b>	Anne Lee (Westernport Port Phillip Coastal Watch Association)
Michael Keough (Melbourne Water)	Hieu Dang (Yarra Valley Water)
<b>MINUTES</b>	
Sam Harbert (Melbourne Water)	

### 1. Welcome by the chair/apologies

The Chair welcomed all to the final meeting for 2009.

Dr Mark Lynch from Melbourne Water and Dr Dan Deere from Water Futures Pty Ltd were welcomed by the committee. Mark has been involved in the Tertiary Upgrade at ETP for the past two years and Dan is a microbiologist who designs testing programs and looks at how pathogens grow and die. Both guests were in attendance to deliver a presentation on ETP Treatment Processes – Now and Post Tertiary.

Apologies were received as above.

### 2. Previous Minutes and Business Arising

The minutes from the 22 October 2009 meeting were confirmed.

### 3. ETP Treatment Processes – Now and Post Tertiary

Mark Lynch and Dan Deere gave a presentation to the committee on how ETP currently manages processes in dry and wet weather conditions and how the tertiary advanced process will manage changes in inflow volumes.

Mark started by refreshing the committee on how sewage is currently treated at ETP.

<b>Preliminary treatment</b>	<ul style="list-style-type: none"> <li>• Screening to remove non-biodegradable litter.</li> <li>• Grit removal</li> </ul>
<b>Primary treatment</b>	<ul style="list-style-type: none"> <li>• Sedimentation for suspended solids and oil/grease removal</li> </ul>
<b>Secondary treatment</b>	<ul style="list-style-type: none"> <li>• 'Activated sludge' process comprising aeration tanks and clarifiers</li> <li>• Activated sludge process removes CBOD5, pathogens &amp; ammonia</li> </ul>
<b>Chlorination</b>	<ul style="list-style-type: none"> <li>• Pathogen inactivation</li> </ul>

Inflow/infiltration during wet weather events increases sewage flow. ETP can treat 1750 ML/d while dry weather flow is about 330 ML/d. The settled sewage flow around the secondary treatment process is altered to manage flows above 864 ML/d.

Almost all the data on pathogen removal across the plant is from Dry weather periods and form the base of the QMRA (Quantitative Microbial Risk Assessment). Data collected during one wet weather event in Dec' 07 have been included in the QMRA and also recent data (Sept and Nov' 09) will help improve our understanding of plant performance with respect to pathogens.

The operators at ETP have a Standard Operating Procedure of what to do when there is a change to the flow. Most changes to the operation can be made from the control room.

After a wet weather event, Pathogens could last a few days in the water and up to a month in a stagnant water pool. Pathogens will die quicker in warmer water, so depending on the sun and the weather may also impact how long a pathogen will survive. The Bay beaches would probably be worse for swimming after a wet weather event, as it takes longer to get washed out. Additional monitoring will be required for wet weather events.

The Chair thanked both Mark and Dan for their very complex presentation which they made as clear as possible to the committee. The committee were in agreement that they wish to hear the results of the lab tests from the recent wet weather events.

#### 4. Melbourne Water Report

Mike Smith provided the following report:

- The 4 new aeration tanks being constructed on the east side of the existing six tanks should move into process commissioning on 19 March 2010.
- The new site security works are in place. The main front gates will be open during normal business hours.
- Sludge Harvesting started about 2 weeks ago and will continue over the summer months and Melbourne Water is committed to minimising any odour generated.

#### 5. ETP Upgrade

Colin Hughes updated the committee on the latest news and information of the Advanced Tertiary Treatment Plant.

The project is progressing in regards to the Works Approval. There has been a public consultation period and formal submissions have closed, with the web forum closing tomorrow. The Independent Science Group review of the project, commissioned by the EPA, concluded that "The Advanced Tertiary Treatment Plant upgrade is an exciting initiative by Melbourne Water and greatly increases the recycling opportunities for approximately 40% of Melbourne's wastewater. It represents global leading edge practice."

The EPA has indicated that its decision will be made in January 2010.

The business case for the project is going to the Board of Melbourne Water next week for endorsement.

The project will be delivered by an Alliance between Melbourne Water, designers Black & Veatch/KBR and a constructor to be appointed. The selection process for the constructor is underway.

#### 6. General Business and Reports by CLC Members

Les Williams asked about the large tankers being used by South East Water and where they are getting their recycled water from. Jon Theobald representing South East Water told the committee that they manage their relationship with Topaq. South East Water carts Class A recycled water from Topaq's treatment plant (located across the road from ETP) and delivers it to 4 storage units that have been installed at Bicentennial Park Chelsea and Jack Grut Reserve in Wells Road, Mordialloc. The water is then picked up to water streets and parks in the Kingston local government area. This currently supplies a solution to customers but is expensive and labour intensive.

South East Water is the retailer for customers who want to connect to recycled water in the area near ETP and on the Mornington Peninsula.

**ACTION: Send to the committee contact details of South East Water staff who manage recycled water.**

#### 7. Meetings in 2010

The Chair put a proposal to the committee that the committee meet 4 times a year instead of 6, with members contacted in between with relevant updates. This would be the same as WTP CLC and other consultative committees managed by Melbourne. The ordinary meetings would held on the first Thursday of the month in March, June, September and December.

Members present agreed to this proposal, asking that members not present be consulted on the reduced number of meetings and to be informed of the final decision.

The Chair also proposed a special meeting to be held in February 2010 to review of the Terms of Reference (or Charter), as the current Charter dates from 2004 and under the Charter a review is normally required every 2 years.

The committee agreed to the planning meeting.

**ACTION: The Chair to put the proposal to change to 4 meetings a year to committee members not present and inform the whole committee of the final decision.**

**ACTION: The Chair to arrange the special meeting to review the Terms of Reference.**

A discussion on topics will be held at February's meeting if anyone has any ideas or topics they would like discussed at future meetings.

Anne Martin asked that the committee contact the Department of Sustainability and Environment and the Department of Planning and Community Development to invite them again to nominate a representative. It was also noted that Frankston City Council is currently not represented.

The committee agreed.

**ACTION: The Chair to write to the Department of Sustainability and Environment and the Department of Planning and Community Development and Frankston City Council to invite them to nominate representatives.**

The Chair wished the committee a Happy Christmas and Summer Season from Melbourne Water and the plant and thanked all for their commitment to the committee. He also thanked others from Melbourne Water and other organisations who have contributed to the meetings, including Chrissy Haritos at ETP for arranging catering.

Pat King thanked Melbourne Water on behalf of committee members.

The meeting closed at 7:23pm.

## 8. Next Meetings

**The next meeting will take place on Thursday 4 February 2010.** (This will be a planning meeting to review the committee's Terms of Reference.)

**The next ordinary meeting will take place on Thursday 4 March 2010.**

Both meetings will be held at the Eastern Treatment Plant unless otherwise notified.

### ACTIONS THIS MEETING

Send to the committee contact details of South East Water staff who manage recycled water.	MK (JT to provide details)
The Chair to put the proposal to change to 4 meetings a year to committee members not present and inform the whole committee of the final decision.	MK
The Chair to arrange the special meeting to review the Terms of Reference.	MK
The Chair to write to the Department of Sustainability and Environment and the Department of Planning and Community Development and Frankston City Council to invite them to nominate representatives.	MK