

SHIRE OF DENMARK
Minutes



WASTE MANAGEMENT ADVISORY COMMITTEE

HELD IN THE COMMITTEE ROOM
953 SOUTH COAST HWY, DENMARK,
TUESDAY 26 AUGUST 2014.

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Council Committee Meeting

26 August 2014

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1. DECLARATION OF OPENING/ANNOUNCEMENT OF VISITORS

1:09pm- Cr Kelli Gillies the Presiding Person declared the meeting open.

2. RECORD OF ATTENDANCE/APOLOGIES/APPROVED LEAVE OF ABSENCE

MEMBERS:

Cr Kelli Gillies
 Cr Ian Osborne
 Cr Jan Lewis
 Cr Dawn Pedro

STAFF:

Rob Whooley	Director Infrastructure Services- <i>by conference phone at 14:05</i>
Erica Sayer	Engineering Administration Officer
Gregg Harwood	Director of Community and Regulatory Services

APOLOGIES:

Nil

ON LEAVE OF ABSENCE:

Nil

ABSENT:

Nil

VISITORS:

Nil

DECLARATIONS OF INTEREST:

Name	Item No	Interest	Nature

3. ANNOUNCEMENTS BY THE PERSON PRESIDING

4. CONFIRMATION OF MINUTES

4.1 COMMITTEE MEETING

OFFICER RECOMMENDATION MOVED: Cr Jan Lewis That the minutes of the Waste Management Advisory Committee meeting held on 24 June 2014, be confirmed as a true and correct record of the proceedings. CARRIED	ITEM 4.1 SECONDED: Cr Dawn Pedro
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5. BUSINESS ARISING

5.1 KERNUTTS RD LAND ACQUISITION

Mr Gregg Harwood has been requested to attend the meeting to give a verbal update and a timeline on the expected completion and acceptance of this item.

Mr Gregg Harwood Director of Community and Regulatory Services gave a brief overview on how the new site is being planned for and what stage the acquisition is at. Department of Environmental Regulation (DER) have further requirements for approval and are wanting Environmental Security from the Shire of Denmark, that there will not be any potential for any fatal flaws in the prospective design. Water Corporation will sell the land to Shire of Denmark if the DER give approval for the site to be used as a wholesale landfill site. A question raised by the Committee was "what timelines are involved with getting the site to operational status" with the answer being from start to finish the moment settlement has taken place approximately 18 months. Gregg Harwood met with DER on Friday the 22nd August and the notes to that meeting have been attached as Appendix I.

Outcome: Gregg Harwood to send 2 letters, one to Water Corporation seeking original Hydrology reports and then on the basis of the first letter from the Water Corporation a letter is to be sent to the Department of Environmental Regulation to request acquisition of the site based on the information received from the Water Corporation.

5.2 MCINTOSH RD LAND TRANSFER

At the previous meeting held 29 April 2014 the item of the land transfer from Department of Parks and Wildlife (DPaW) was noted by committee. This item is a standing item until completion of the request to transfer the section of land along the boundary of the McIntosh Rd Refuse Site.

A follow up email has been sent to Peter Bamess (DPaW) requesting a contact person within the Dept of Planning so staff can enquire about the status of this item.

This item will remain on the agenda until acquisition has been finalised.

6. GENERAL BUSINESS

6.1 CURRENT USE OF OLD RUBBISH TRUCK

At its Special Meeting held 3 July 2013 the Waste Management Advisory Committee Recommended in Item 6.1 That the Waste Advisory Committee requests that Director of Finance include the following items as being funded in Council's draft budget papers. In which one item to be considered was to retain the Current Rubbish Truck for multiple use including PB in lieu of outlay for a compactor. This item has been added to the agenda for an update with the use of the old rubbish truck.

Discussion ensued relating to the use of the old truck. The WMAC would like to see that it be used during the busy tourism period. Cr Gillies will follow up with Rob Whooley Director Infrastructure Services relating to the use of the truck over the tourism period to get a feel for how it could be best utilised.

6.2 CHANGE OF RUBBISH COLLECTION AND CLEANING DUTIES

2:05 pm Rob Whooley joined the meeting by conference phone.

Rubbish Collection Staff are collecting rubbish and cleaning ablution blocks within the current works program. This is causing the staff to work long hours and risking fatigue related accidents/ incidents. The cleaning of toilets and ablutions takes place very early in the morning and is using the rubbish collection staff where they could be utilised better at the Waste Collection Facilities.

Outcome: Director of Community and Regulatory Services Gregg Harwood, Director of Finance and Administration Kim Dolzadelli, CEO Dale Stewart and Director of Infrastructure Service Rob Whooley to meet regarding this item and determine if there is a line item within the latest budget to support another staff member for outside purposes ie cleaning ablutions and waste removal. It was understood by WMAC that there was an allocation for further staff within the current budget.

Rob will arrange the changes of days for rubbish pickup and notify Committee prior to change over.

6.3 INTRODUCTION OF RECYCLING BINS INTO THE CBD

There are recycling specific bins available that were displayed at the recent WA Local Government Convention and Trade Exhibition. Cr Gillies and Cr Lewis would like to discuss the bin types that are now available with a view to having public recycling bins installed within the CBD.

***Outcome:** Public Recycling within the CBD be raised to Council via a Council briefing session as a proactive measure to promote Denmark's recycling.*

6.4 PEACEFUL BAY TIP SITE

Fencing of Peaceful Bay Tip Site has been completed and came in at a cost of \$4588.71 and was fenced at 1.2m as per the recommendation from DER after the request to allow the fencing to be standard stock fencing. Attached is an aerial of the reserve in which the Tip Site is situated for information.

Discussion ensued relating to the fencing of the tip site as opposed to the entire reserve and WMAC members were made aware that a general stock fence was appropriate for the type of site it is fencing as per instruction from DER.

6.5 MCINTOSH RD SITE GENERAL OPERATIONS

Director of Infrastructure Services Mr Rob Whooley will give an overview of the operational side of the McIntosh Rd Site to Committee in relation to regulations and frequency of Green Waste Burns.

Discussion ensued as to how to deal with Green waste in order to stop the burning off of Green waste. Cr Jan Lewis tabled an item called the MAF Composting System that halves the composting time of mulched Green waste and would like this item to be considered in the 2015/16 budget.

6.6 CLEANAWAY CONTRACT

An update on the status of the contract between Shire of Denmark and Cleanaway is required and Committee wish to discuss the item within the contract that includes Community Education about Recycling.

Upon being employed by Cleanaway the Education Officer did some research on the Shire of Denmark's Contamination levels and found that the percentages reported to Council on the monthly statements had been calculated incorrectly. The contamination rates for the previous 4 years have been reflected at a much higher rate than what they actually were.

***Outcome:** WMAC would like to encourage Greenskills Inc. to apply for any available funding for Recycling Education as per their request in 2012 in addition to any further education programs that may become available through Cleanaway under the terms of the Cleanaway contract.*

2:25pm Mr Rob Whooley left the meeting and did not return

6.7 GARAGE SALE TRAIL 2014

The Shire of Denmark is participating in this year's Garage Sale Trail event, to be held on Saturday 25th October. The idea behind the event is to encourage everyone, including households, community groups, schools and businesses, to hold a Garage Sale on the same day, as a way of promoting recycling and sustainability, diverting items from landfill, bringing the community together and raising a few dollars for participants or their chosen charity. Garage Sale Trail is Australia's fastest growing community and sustainability event and this year is supported by over 120 councils nationally and is expecting up to 10,000 garage sales across the country with over 1.5 million items for sale. Participation is in accordance with the Shire's *Strategic Waste Minimisation Plan*

2008 – 2013: “Raising Community Awareness of Waste Management Issues” and “Minimising Direct and Indirect Environmental Impacts”.

The Shire’s Sustainability Officer is coordinating promotion of the event for the Shire and is seeking any comments or ideas from the WMAC on the Shire’s participation in Garage Sale Trail.

The WMAC supports this event and would like to thank Donna Sampey Sustainability Officer for introducing the initiative to the Shire of Denmark.

7. NEXT MEETING

The next meeting of the Committee will be held on Tuesday 28 October 2014.

8. CLOSURE OF MEETING

There being no further business the meeting was closed at 3:10pm

The Chief Executive Officer recommends the endorsement of these minutes at the next meeting.

Signed: _____
Dale Stewart – Chief Executive Officer

Date: _____

These minutes were confirmed at the meeting of the _____

Signed: _____
(Presiding Person at the meeting at which the minutes were confirmed.)

APPENDIX I**DER Meeting 22 August 2014, 11.10am – 2.00pm**

Present: Gregg Harwood, Ian Watkins, Rebecca Kelly, Tom Kaethner & Peter Van Schoubroeck

Gregg: Addressed the meeting about the need, good logistics and communicated community support for a local disposal option.

Ian: Spoke about the application generally.

Peter: He did the first assessment of the application and scoped it against the best practice (Victorian) guidelines.

Tom: Provided tech advice to Peter in terms of clay properties and hydrology. Is from SA where there is a stronger compliance culture.

Reb: Supporting Tom as per review procedure. Has experience with waste in the Northern UK and has worked for environmental consultants here.

DER: The Minister will not issue works approvals prior to planning scheme consents being issued.

- Need to determine appropriate level of planning authority. Eg: local gov or state.

Ian: Our proposal is for a 2000 ton per year site that may climb to 2600 tons over 10 years.

If the Victorian Standard is used to its full extent we are looking addressing 4000 points for a very small site. Would we be able to just address an agreed set of relevant points?

Reb: What is the annual capacity limit?

Ian: There is no physical annual capacity limit as the site has ample space.

Reb: What is your preference? Licence or registration?

Peter: DER Albany's preference is a licence as it allows them to set conditions;

Ian: 5000 tons is mandatory boundary but he prefers a licence at 2000 tons because he prefers to work through known licence conditions.

Discussion of Bores:

Tom: The request for further bores is in accordance with the DOW Water quality protection note 27.

Ian: We drilled to determine whether the site had fatal flaws and to determine if a liner was likely to be needed. We also sought to determine:

- a) Depth of clay
- b) Water table
- c) Quality of the clay

Ian asked what was the DER's purpose in requesting the additional monitoring bores and if they needed to go in now or post works approval.

- We need to know if the additional bores and hydrology needs to go in before the works approval can be issued.

Ian went on to talk about the spatial model that Rebecca had raised and made the following points:

- i) We have at least 2m of clay below each cell.
- ii) Our ideal is to use unworked clay and if needed we would be prepared to leave another metre of clay under cells.
- iii) In order to reach to reach the seasonal water coarse any leachate would take based on the permeability 10^{-8} 100-150 years and much of the site will be 10^{-9} .

Reb: Going back to the first question we use the Victorian standard as a guide.

- We need sufficient information to show that there is no risk to the environmental receptors.
- We need a conceptual model that takes in the side and base of the cells and shows that if we propose not to use a liner that there will be no impacts on the environmental receptors.
- DER needs to have a high degree of confidence that there will be no impacts hence the reason for the liner.

Ian: In both models the clay capping is 2m thick which is reliable.

Would it be acceptable if we could demonstrate the suitability of a geo-synthetic clay cap and a natural clay base?

Under this model the floor of the cells would be contoured so that the leachate ran out and could be collected during the working of that cell. This the collection would stop once each cell is capped as it is helpful to retain some moisture in a cell.

Would like to be able to dig the cell holes and monitor.

Tom: You need to demonstrate these factors and doubts that 10^{-9} permeability can be achieved.

Ian: The quality of the cap reduces the pressure on the liner.

The ideal from our perspective would that the bores are a condition of approval as we are looking at a \$70 - 150k cost of doing the drilling and the hydrology.

Reb: All we need to know is the high level scenario.

It is unclear what you are proposing and what is already there and definite statements need to be made in your proposals.

Each individual cell needs to be tested for permeability before use in WA.

Ian: We could drill each cell.

Reb: We need to have confidence in the clay of the cell wall and base.

Tom: The DOW Water Quality Protection Note 20 is moving towards HDPE liners.

The sample density needs to be in accordance with DOW Water Quality Protection Note 27.

Reb: * We will approve providing you can document that there will be no risk to the environmental receptors.

I want to see any potential weakness in the clay liner and nay variations in the clay liner will require more sampling.

Ian: You mean we need to demonstrate the lower permeability to prove that we will cause a problem?

Reb: Yes you will.

Tom: If you use the HELP model and it comes out not causing a problem that will be fine.

Peter: We want to know about the peripheral soils on the way to the receptors as well.

Tom: Once we have approved the overall plan you still need to check the cells as you go. (my notes were unclear on this one)

Ian: We have proved up the clay now. We need to consider its structural capacity (compared to liner?)

Tom: We need to see the stormwater calcs.

Ian: The leachates will be collected for two years while the cell is in use.

Tom: The cap should have a maximum seepage rate of 75% and we need to consider differential settlement.

#Tom said that he was reasonably happy with our proposal.

Ian: Landfill gas, DER says 1.2 tons of gas from a ton which is excessive. The normal rate is 250m3 per _____? (Ian please clarify).

Tom: It is a low risk site but we need to know more details about the class of the incoming waste and its composition before we can accept a lower figure.

Gregg: If we do an organics collection would that push it down? Tom said yes.

- We need to do waste modelling.
- We need to be able estimate what currently goes into our transfer bins.

Ian: Clinical waste needs to be limited to class 2 wastes so it's non-hazardous.

Ian: We will do a HELP model based on using the natural clays and meter head of leachate.

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Reb: We also need to know what the regional hydrology is like. (Not necessarily in fine detail.)

Needs to be clearly laid out what the waste site's model is.

- We need to produce how it fits into the regional hydrology even if there is very little activity.
- Victorian Publication 668 will give us a guide.

- Hydro - geographical setting, we need it before we can tell you how many test holes you need.
- It is all about the amount of unsaturated clay beneath the site.

Tom: While DER does not have a position the compliance industry norm is that **they prefer improving existing sites over opening new ones.**

Reb: The report needs to be fully justified and referenced and needs to make confident and definite statements.

Peter: The local branch needs:

- Conceptual site modelling and hydro site modelling.
- We need to advise in writing what we intend to do whether advertising as is or do further work first.
- They will not be requiring referral to the EPA.
- Document needs to be amended to reflect the fact that the tenant has moved out.

Closing:

Gregg: Given that it appears that there are no fatal flaws in the application or site and that it appears that it is a case of lot more drilling and hydrological work to prove conclusively that the site has a band of clay that eliminates the need for a liner would the DER provide positive comment if Council were to approach the Water Corp and attempt to purchase the site on that basis.

All three were supportive of the concept and Peter advised that he would be the contact point.