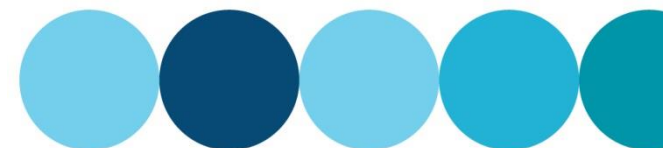


# Meeting minutes



## Beenyup Community Reference Group

**Date:** 9 October 2017, 5pm – 6:30pm (with pre-meeting tour for new CRG members from 4pm – 5pm)

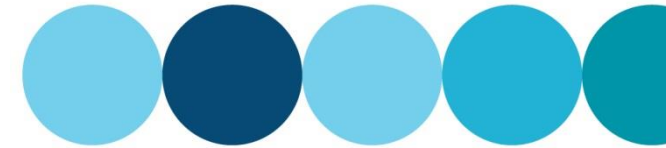
**Attendees:** Margaret Domurad (Aroona Alliance – CRG Chairperson), Alan Bates (Member – Resident), Iris Bennett (Member – Resident), Sandra Beverley (Member – Resident), Callum Cosgrove (Member – Resident), Sue Cosgrove (Member – Resident), Alicia Harlow (Member – CRACA), Sylvia Tetlow (Member – Resident), John Wood (Member – Resident), Craig Macdonald (Aroona Alliance), Taree Lamplugh (Executive Officer – Water Corporation), Daniel Rossi (Guest – Water Corporation), Eduardo Cosa (Guest – Aroona Alliance), Amy Curnow (Guest – Aroona Alliance), Nick Cox (Visitor)

**Apologies:** Cr Liam Gobbert, Yvonne Gouldthorp (Member – Resident), David Wilson (Member – City of Joondalup)

**No response:** Mark Couch (Member – Resident)

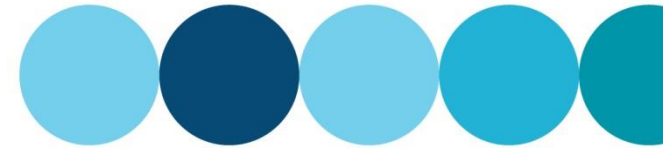
No.	Agenda item	Actions/updates	Who
0	Pre-meeting tour for new CRG members		Various
1	Welcome and apologies	<p>Welcome to our newest CRG members:</p> <ul style="list-style-type: none"> <li>Alan Bates</li> <li>Callum Cosgrove</li> <li>Sue Cosgrove</li> <li>Mark Couch</li> <li>Cr Liam Gobbert</li> <li>Alicia Harlow</li> <li>Sylvia Tetlow</li> </ul>	Chairperson
2	Previous minutes and actions arising	Minutes passed by <b>Sandra</b> .	Chairperson
3	Groundwater Replenishment Scheme Stage 1 and 2 update	<p><b>Daniel</b> gave an overview of Stage 1.</p> <p><b>John</b> asked if there were any issues experienced in the aquifers – <b>Daniel</b> said no, we have been slowly stepping up production to ensure no impacts to aquifers and they have been performing well.</p> <p><b>Daniel</b> gave an overview of Stage 2 which will see a duplicate plant to the east of the existing plant, increasing the capacity of the scheme by an additional 14 GL to a total of 28 GL. The main difference with Stage 2 is that water will be recharged offsite to Wanneroo and Neerabup via 13km pipeline.</p> <p><b>John</b> asked about pipeline material – <b>Daniel</b> explained the pipe will be an 800mm and 710mm high-density polyethylene (HDPE) pipe.</p> <p><b>Sylvia</b> asked about environmental considerations – <b>Daniel</b> explained we will be implementing a number of management measures to mitigate these risks, including: scheduling work in high groundwater areas in the drier months so the groundwater levels are lower; utilising wet construction techniques, where appropriate; using minimum cover, where possible, to reduce the likelihood of</p>	Daniel Rossi

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		<p>dewatering; having our Dewatering and Acid Sulfate Soil Management Plan reviewed by the Department of Water and Environment Regulation; engaging with a specialist during construction to monitor contractor adherence to the Dewatering and Acid Sulfate Soil Management Plan.</p> <p><b>John</b> asked how deep the pipeline is going to be – <b>Daniel</b> said there will be approximately two metres of cover.</p> <p><b>Daniel</b> gave an overview of the two recharge sites. Each site will have two recharge bores (one Leederville and one Yarragadee) and two monitoring bores (one Leederville and one Yarragadee).</p> <p><b>Daniel</b> provided an overview of the timing of works, saying the whole project is expected to be in construction for about 18 months, plus another 6-8 months to commission/prove.</p> <p><b>Daniel</b> explained we are in the process of awarding the contract for the drilling of the recharge bores, which due to the depths is highly specialised work. Drilling is expected to commence at the end of this year and construction of headworks in April next year.</p> <p><b>Sylvia</b> asked about size of infrastructure at the recharge sites – <b>Response</b> At each recharge site there will be: a 500kL recycled water tank, approx. 7m tall and 13m wide, an electrical switchroom, a recharge pump building, approx. 7m tall and 20m long and 15m wide, two recharge bores (one Leederville and one Yarragadee), two monitoring bores (one Leederville and one Yarragadee) and a drainage sump.</p> <p><b>Sylvia</b> asked when construction of the plant was due to start – <b>Daniel</b> said it will commence about four weeks from when we get approvals, which is likely to be in November.</p> <p><b>Daniel</b> talked about social projects that are being undertaken as part of the project.</p> <p><b>Alicia</b> asked a question about weed management including frequency – <b>Daniel</b> said as part of our weed management plan our consultants will conduct quarterly inspections.</p> <p><b>Sylvia</b> asked when did stage 1 start recharging – <b>Daniel</b> said 7 August 2017. Eduardo clarified that we started pumping from the feed pump station at the wastewater treatment plant to the Advanced Water Recycling Plant in September/October 2016.</p> <p><b>Sylvia</b> asked if we saw an increase in groundwater levels via our monitoring bores – <b>Response</b> Both the Leederville and Yarragadee aquifers saw an increase in water levels in response to recharge.</p> <p><b>John</b> asked how far away from the recharge bores are the monitoring bores – <b>Daniel</b> said they are about 50 m away.</p>	
4	Beenyup Wastewater Treatment Plant operations update	<p><b>Craig</b> introduced himself as the new plant manager and said he has been here since July 2017. Previously Subiaco wastewater treatment plant manager.</p> <p><b>Craig</b> talked through the average daily inflow, highlighting that the heavy rains in August resulted in increased flows.</p> <p><b>Craig</b> talked through phosphorus performance, which also coincided with increased inflows with higher</p>	Craig Macdonald

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levels during higher inflows.

**Nick** asked about why increase if mostly rainwater – **Craig** said by the time it gets to us, it is not usually that clean and the increased flows go through each process a lot quicker to keep up with inflow.

**Craig** talked through H2S Stack monitoring – not issue with odour system by venting.

**Craig** talked through odour complaints and that there was a big increase due to fault with biogas storage balloon. The new balloon is now being installed, which will improve odour issue and due for completion at the end of October.

**Craig** talked about modification to odour fans in that they now have covers on them. While this has improved the noise coming from these fans, it has not contributed significantly to a reduction in the overall noise levels at the boundary.

**Craig** talked about the new ductwork on the elbow being replaced with more continuous pipework. Again this has improved the noise coming from this ductwork, but has not contributed significantly to a reduction in the overall noise levels at the boundary.

**Margaret** said noise is still a work in progress, seeking further understanding about what needs to happen on site.

**Callum** asked if we get any other complaints – **Margaret** said there have not been many noise complaints.

**Nick** said they have had noise and vibration issues for six years, but that the vibration through their back windows has stopped rattling in the past six months.

**Nick** asked about low frequency noises/vibrations as these have not been previously monitored – **Margaret** said it has been raised with the consultants and we will be looking to include this in our next round of monitoring.

**Sylvia** raised vibrations do affect peoples' health – gave example of compacting and impacts to her health.

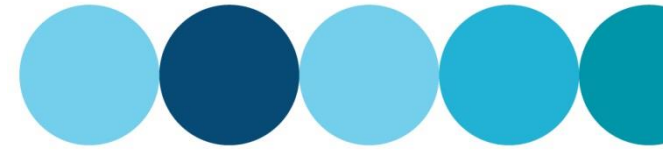
**Craig** talked through Dieback Management Plan.

**Amy** explained dieback is a water mould (previously thought to be a fungus) that affects up to 40% of native species in the South West of WA. It reproduces in warm, wet conditions and spreads through root to root contact (can spread through trees touching each other) and movement of soil and water contaminated with dieback.

**Craig** said have identified areas with dieback and need to manage it so it doesn't impact other areas on site. Manage traffic and access to affected areas.

**Alan** asked how bad it was on site now – **Amy** said we have identified where it is based on results and historical movements and will be following the State-wide approach of managing/ mapping. A signage plan is being worked through at the moment.

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		<p><b>Alan</b> asked what percentage of the current site – <b>Response</b> The total Water Corporation site area is 76 ha. Of that, 5.1 ha (or 6.7%) of surveyed bushland has been assigned as Dieback Infested.</p> <p><b>Sue</b> asked if we do samples beyond our boundary – <b>Amy</b> said we measure within our boundary only.</p> <p><b>Craig</b> said we will map out access route and lay limestone, which reduces impact on operations and reduces spread. <b>Sylvia</b> asked what the limestone does – <b>Amy</b> said it is the wrong pH condition for the mould to grow.</p> <p><b>Craig</b> also said signs will be going up soon so people can expect to see them and they will be limiting people accessing these areas.</p> <p><b>Sylvia</b> mentioned a couple of banksias dying to back of City of Joondalup depot, were they impacted by dieback – <b>Amy</b> said they could have been.</p> <p><b>Amy</b> explained it is really hard in urban areas where there has been uncontrolled access for a really long time, but at least we know it's here and can manage it.</p>	
5	Terms of reference	Terms were agreed by all members with slight tweaks to term and publicising the meetings.	Taree Lamplugh
5	General business	<p><b>Callum</b> – asked about doing a letter drop asking residents if they are experiencing noise issues.</p> <p><b>Margaret</b> said we could promote 13 13 75 number to raise any complaints.</p> <p><b>Daniel</b> – said can provide interim presentations as construction will move quite quickly.</p> <p><b>Nick</b> – said the western firebreak is very overgrown, what is being done on this. <b>Craig</b> said this is an ongoing maintenance issue of maintaining all firebreaks, but will be done.</p> <p><b>Iris</b> – had a question about drugs in the water produced out of the groundwater replenishment scheme.</p> <p><b>Response</b> – The advanced water treatment process, specifically reverse osmosis, effectively removes chemicals (including hormones and illicit drugs) to levels in accordance with World Health Organisation standards and the Australian Drinking Water Guidelines. Methamphetamine and other synthetic illicit drugs are made up of large molecular chains, which make them very easy to remove via reverse osmosis treatment.</p> <p><b>Alan</b> – said it was nice to get letterbox drops. <b>Sylvia</b> also likes the letterbox drops. <b>Margaret</b> said we would look to do more regular updates via letter drops during construction of Stage 2 of the Advanced Water Recycling Plant.</p>	All
6	Next meeting	Monday, 9 April 2018 – 5pm to 6.30pm	Chairperson