

Meeting minutes



Beenyup Community Reference Group

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

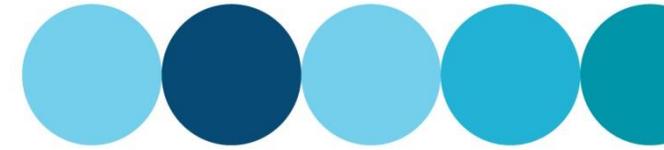
Attendees: Margaret Domurad (Aroona Alliance – CRG Chairperson), Alan Bates (Member – Resident), Iris Bennett (Member – Resident), Sandra Beverley (Member – Resident), Callum Cosgrove (Member – Resident), Sue Cosgrove (Member – Resident), Alicia Harlow (Member – CRACA), Sylvia Tetlow (Member – Resident), 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)

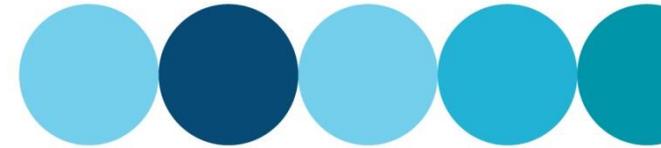
No.	Agenda item	Actions/updates	Who
0	Pre-meeting tour for new CRG members		Various
1	Welcome and apologies	<p>Welcome to our newest CRG members:</p> <ul style="list-style-type: none"> Alan Bates Callum Cosgrove Sue Cosgrove Mark Couch Cr Liam Gobbert Alicia Harlow Sylvia Tetlow 	Chairperson
2	Previous minutes and actions arising	Minutes passed by Sandra .	Chairperson
3	Groundwater Replenishment Scheme Stage 1 and 2 update	<p>Daniel gave an overview of Stage 1.</p> <p>John asked if there were any issues experienced in the aquifers – Daniel said no, we have been slowly stepping up production to ensure no impacts to aquifers and they have been performing well.</p> <p>Daniel 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>John asked about pipeline material – Daniel explained the pipe will be an 800mm and 710mm high-density polyethylene (HDPE) pipe.</p> <p>Sylvia asked about environmental considerations – Daniel 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>John asked how deep the pipeline is going to be – Daniel said there will be approximately two metres of cover.</p> <p>Daniel 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>Daniel 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>Daniel 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>Sylvia asked about size of infrastructure at the recharge sites – Response 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>Sylvia asked when construction of the plant was due to start – Daniel said it will commence about four weeks from when we get approvals, which is likely to be in November.</p> <p>Daniel talked about social projects that are being undertaken as part of the project.</p> <p>Alicia asked a question about weed management including frequency – Daniel said as part of our weed management plan our consultants will conduct quarterly inspections.</p> <p>Sylvia asked when did stage 1 start recharging – Daniel 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>Sylvia asked if we saw an increase in groundwater levels via our monitoring bores – Response Both the Leederville and Yarragadee aquifers saw an increase in water levels in response to recharge.</p> <p>John asked how far away from the recharge bores are the monitoring bores – Daniel said they are about 50 m away.</p>	
4	Beenyup Wastewater Treatment Plant operations update	<p>Craig introduced himself as the new plant manager and said he has been here since July 2017. Previously Subiaco wastewater treatment plant manager.</p> <p>Craig talked through the average daily inflow, highlighting that the heavy rains in August resulted in increased flows.</p> <p>Craig 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.

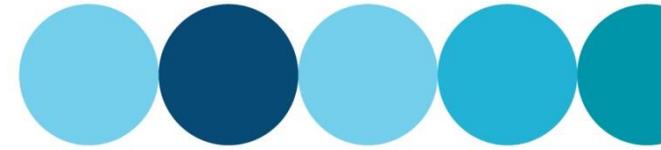
Craig talked through Dieback Management Plan.

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>Alan asked what percentage of the current site – Response 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>Sue asked if we do samples beyond our boundary – Amy said we measure within our boundary only.</p> <p>Craig said we will map out access route and lay limestone, which reduces impact on operations and reduces spread. Sylvia asked what the limestone does – Amy said it is the wrong pH condition for the mould to grow.</p> <p>Craig 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>Sylvia mentioned a couple of banksias dying to back of City of Joondalup depot, were they impacted by dieback – Amy said they could have been.</p> <p>Amy 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>Callum – asked about doing a letter drop asking residents if they are experiencing noise issues.</p> <p>Margaret said we could promote 13 13 75 number to raise any complaints.</p> <p>Daniel – said can provide interim presentations as construction will move quite quickly.</p> <p>Nick – said the western firebreak is very overgrown, what is being done on this. Craig said this is an ongoing maintenance issue of maintaining all firebreaks, but will be done.</p> <p>Iris – had a question about drugs in the water produced out of the groundwater replenishment scheme.</p> <p>Response – 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>Alan – said it was nice to get letterbox drops. Sylvia also likes the letterbox drops. Margaret 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