



Rotorua – RPSC
 Technical Advisory Group(TAG) Meeting #6
 8 April 2015

Draft Meeting Agenda

Meeting Name	RPSC TAG #6		
Meeting Venue	Rotorua Wastewater Treatment Plant		
Date Of Meeting	Wednesday 8 April 2015	Time Of Meeting	Completion
		10am	3:30pm Approx
Chairperson	Jim Bradley	Recorder	Sarah Pauli

Project Details

Client Name RPSC/LDC
 Project Name Rotorua Project Steering Committee (RPSC) - TAG
 Project Number

Attendees/Invited	Organisation	Initials	Core TAG/Invited/Apologies
Core TAG			
Alison Lowe	Rotorua Lakes Council	AL	Core TAG
Greg Manzano	Rotorua Lakes Council	GM	Core TAG
Professor David Hamilton	Waikato University	DH	Core TAG
Andy Bruere	BOPRC	AB	Core TAG
Dr. Kipa Morgan	Mahi Maioro Professionals	KM	Core TAG
Jim Bradley (TAG Chair)	MWH	JB	Core TAG
Christopher Mc Bride	Waikato University	CMB	Invited
Sarah Pauli	Rotorua Lakes Council	SP	Recorder
Arturo Pingol	Rotorua Lakes Council	AP	Invited

Apologies received by 8th April 2015
Professor David Hamilton - Tentative

All attendees are invited to participate in all items on the agenda

Agenda Item Number	Ongoing Action List Refer Updated List as at 2 April 2015 Attached	Who Leads	Agenda Item	Reference Document	Indicative Start Times TBA
1		JB/GM	Welcome and draft Agenda review	<ul style="list-style-type: none"> This Draft Agenda 	10am
2		JB/All	TAG, #5 minutes 20 November 2014 Discuss summary approach vs Verbatim – Is summary appropriate acceptable as was favoured last TAG	<ul style="list-style-type: none"> Draft TAG Minutes distributed email 5 December 2014 Further copy attached to this agenda 	
3		GM/JB	Report on RPSC Meetings/Workshops and other Activities since last TAG Meeting #5 on 20 November 2014.	<ul style="list-style-type: none"> Minutes with associated attachments of RPSC 17 December 2014, 21 January, 19 February, 19 March 2015 (draft) - separate email from JB dated 2nd April 2015. 	
4	5, 7, 26	GM/AL	Interaction of TERAX with shortlisted options – update of external consultants review	<ul style="list-style-type: none"> GM/AL to provide any reference document information if available at this stage 	
5		GM	Land Treatment Systems being further considered – update of external consultants Mott MacDonald progress to date.	<ul style="list-style-type: none"> GM to provide any reference document information if available at this stage 	

6	1, 12	AL/AP/GM	<p>“Add-ons” to consider the present status of these, and how TAG should address. The initial comment from GM: <i>“It would be ideal if we have a focussed discussion on UF and RO separate from the add-ons. With the add ons the ideal result from the TAG meeting is an agreement that we park this outside of this process as they are not considered essential in achieving what we want at this stage and through some consent conditions revisit them again in the future if required . It is hoped that at the future time the development of these technologies would have come to a stage where they are widely used.”</i></p>	<ul style="list-style-type: none"> Refer Add-on’s summary Table update attached to this agenda, prepared by AP and Alison. 	
7		JB/GM	<p>Advance Treatment Options – Ultrafiltration and Reverse Osmosis (UF/RO) update of activities with RPSC and technical information.</p>	<ul style="list-style-type: none"> Refer TAG Briefing Paper attached to this Agenda, prepared by JB. 	
8	8	AP/GM/(DH/CMB)	<p>Discharge to Water – First Cut Discharge Site’s Locations – to include initial comment from DH/CMB on these locations from an “effects” basis. Visit sites during meeting if need be and time allows.</p>	<ul style="list-style-type: none"> Refer Table 1 – Potential Discharge Sites and Location Map attached to this agenda. Prepared by AP reviewed by GM 	
9	4, 8,13, 14,15,18, 27, 29	DH/CMB/GM	<p>Effects Study Update for discharge options to water – Waikato University led by DH</p>	<ul style="list-style-type: none"> DH/CMB to provide any update written information otherwise, verbal report. 	
10		All	<p>RPSC Questions & Answers (Q&A) – this approach with the Group A and Group B questions was decided upon by JB and GM following RPSC’s meeting and field visits on 19th March 2015. TAG to consider the Group B Questions and preparing answers for RPSC.</p>	<ul style="list-style-type: none"> Refer attached Q&A that is being attached to RSPC Draft Minutes 19th March 2015 meeting. 	
11	22	AB	<p>Deloitte Study any update as may be appropriate to this RPSC Project</p>	<ul style="list-style-type: none"> AB to provide any update if appropriate 	



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12		JB/All	Action List update	<ul style="list-style-type: none"> Action List – See latest updated 02/04/2015 	
13	24	GM/All	- Programme Update and Matters – GM and All	<ul style="list-style-type: none"> See GM's marked up latest programme 	
14		JB/GM/All	Meeting review and next TAG meetings <ul style="list-style-type: none"> - 22 May 2015 #7 – Apologies from DH - 16th June 2015 #8 	<ul style="list-style-type: none"> Both dates been set and calendar invites have been. 	

Kepa addition to agenda meeting – in new item 3a

2. Previous Tagminutes 20 Nov RLC transport room
 Comments on minutes

P2 – water conservation strategy (not concentration)

P2 – Keap raised the Cawthron report (not commented on raising the report)

Jim confirmed that the technical feasibility study report has been finalised.

Terax reports to Michael Qintern – he was provided with the reports that were available, although they mightnot have answered his questions

Further work on investigating LTS options is being progressed at request of TAG

P12 bottom – Jim asked for Kepas input onto wording. Kepa states that the actions of Warren have interrupted the process, and that the discussion in Jan minutes on this were not full. Keap has not seen a timeline on the process that we are tacking. Kepa will redraft 11d and provide.

Andy moved

Alison seconded

Subject to receiving 11d redraft from Kepa and incorporation of changes above.

Item 2. .Update on Steering Group Meeting that have been occurring monthly .

GM. Greg and Jim prepared a paper on RO and ultrata filtration at the Steering Group request. They also want info onblack mica (biotit), add-ons, endocrine disruptors Cawthron report), some discussion on influent and effluent water quality parameters, and some concern about mortuary waste. All of these issus are being brought to this group. Geg agreed with Jim, that if it's a minor querie then we could respond to them at the Steering meetins, and anyhtin gmajor or more technical is coming back to TAG for further discussion and to agree on a way forward.

JM provided list of questions from RPSC. We have a slot at the RPSC meeting to pprovide deedback from the TAG. – this is agenda item 10.

KM – with regard to the questions being asked by Steering Group there seems to be an emphasis on the physical . Anton – yes they ar elight on the metaphysical and on tihanga aspects, and the mauri side is a bit weak. It is being addressed through the Cultural Assessment group. TIT will be addressed by the iwi doing the cultural assessment. KM – but how is the metaphysical being included in the CIA? Anton – myself and Geoff and nudging them to ensure that they consider these aspects. Anton – an overview to dat...



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Anton – the cIA workshops have identified 10 objectives. They made sure all members aware of the options and they seem to be quite aware, but some uncertainty around the configurations and combinations of sub-options. I think level of understanding is quite high. Considered past and Kaituna history. Anton recommended.. but they wanted to take a values approach as a preferred approach. Each iwi has the opportunity to do a CIA. .. it look like 2 assessments might eventuate.

KM – wants to provide his thoughts on the scatter-gun approach to a qualitative assessment and thinks it is important that definitions on terms/words (eg the mana of..) are accompanied by a definition and where possible incorporation of thresholds. MY way of thinking is that the qualitative issues might become more dominant with iwi as we move through the process.

Note – at the request of the Steering Group the point discharge to the Kaituna River has been removed as an option

It was taken as an assumption that the current site is not included in the scope, but aft the site visit, there was informal discussion that excluding the current LTS to be revisited, if possible.

KM – why did they not want to use the mauriometer

Anton – the iwi members wanted to be able to tell their story in a way that they feel comfortable.

KM In terms of your and Ginas recommendation in using a Record this discussion verbatim between Kepa and Anton

Anton – we had a wide-ranging discussion around effects. Members are feeling the weight of responsibility about making a decision

Key drivers – colour, smell, pathogens, human health and aquatic life drivers and N and P is perhaps not a high priority for them at this point in time. KM – they are looking holistically – eg if the N and P from farmers was cleaned up then the N and P from wWTP discharge would not be an issue. While this project can do its best, other projects have to happen to achieve the reductions in the big picture.

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Anton – the preferred discharge option is to land. Pipe with a screen/diffuser on the end to water will be a no go. Gabions/rock passage are supported.

The Cultural groups thoughts on the target discharge water quality – somewhere between pristine and the receiving environment

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