**Agenda for Water Quality TAG meeting**

**11 December 2017 at 9:30 am**

**Bay of Plenty Regional Council Rotorua office**

1. **9:30am Welcome and Apologies**

Welcome Joe Butterworth from Te Arawa Lakes Trust

Welcome Prof Troy Baisden, Chair in Lakes and Freshwater Science.

1. **9:35am Matters from last meetings**

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| Summary of actions from Water Quality Technical Advisory Group Meeting – 29 June 2017 |
| **Item Number** | **Action Point** | **Action or person responding** |
| 2 | From previous meeting actions: 4b – Andy Bruere – add agenda item for next meeting “cyanobacteria monitoring for Lake Rotoiti – area affected by Ohau Wall”. Discuss with Alastair Suren and arrange monitoring in the area for the 17/18 Summer. | Andy/Paul S(Done) |
| 2  | From previous meeting actions: 4b – Paul Scholes to assess existing data held for Phytoplankton samples in the area of the Ohau wall | Paul s |
| 3a | Action 1 – David Hamilton to consider addition of a chart that shows nutrient load broken down by source and a map depicting where groundwater is going to in the Lake Rerewhakaaitu catchment report. | David H |
| 3a | Action 2 – Andy Bruere to arrange for David Hamilton to present to Lake Rerewhakaaitu catchment farmers in September.  | Andy (Done) |
| 3b | Action 3 – Andy Bruere to find out who is on the national group assessing the Overseer model for use in regulation and see how an approach could best improve access to the model workings so the outputs could be more clearly understood. | Andy (Done) |
| 5 | Action 4 – Piet Verburg to email Grant Tempero with feedback on the design of the research proposal on seasonal phytoplankton nutrient limitation in Lake Rotorua | Piet (Done) |
| 6 | Action 5 – Item 6 – WQTAG members to email Andy Bruere if they have any questions on the position paper. | Andy (Done) |
| 9 | Action 6 – David Hamilton **to provide summary climate change statement by 29 July 2017 and supply to BOPRC** | David (On agenda) |
| 11c | Action 7 Chris McBride to calculate winter dose rate to DRP requirements in stream based on historical averages. | Chris  |
| 11c | Action 8 – Niroy to look at protocols for dosing in each stream and report back to WQTAG. Look to switch dosing levels between streams. | Niroy (Agenda) |
| 11c | Action 9 – Andy Bruere to engage with RLC on assessing and managing current and future alum dosing flows to address P at the wastewater treatment plant.  | Andy (Underway) |
| 11c | Action 10 – Niroy will report back to WQTAG after Chris’s Masters thesis is completed and consider inviting Chris to speak at next WQTAG meeting. | Niroy (Agenda) |
| 11d | Action 11 – Andy Bruere to circulate draft confidential assessment of requirements of science review Terms of Reference to workshop attendees. | Andy (Done) |
| 11d | Action 12 – Andy Bruere to convene TAG sub-group workshop | Andy(Done) |
| 11d | Action 13 – Paul Scholes to share the data collected in the 2016 sampling with David Hamilton. | Paul S |

1. **10:30 am Model updates**
2. Tarawera and the Tarawera Farm Plan project (David/Andy)
3. Ōkāreka (David)
4. **11:00am Alum Dosing**
	1. Rotoehu:
		1. Presentation from Chris Egar on MSc work,
		2. Update on alum dosing at Soda Springs, (Niroy),
		3. Next steps (Andy)
	2. Alum dosing Rotorua
		1. Update from Niroy,
		2. Update on re-consenting (Andy).
5. **12:00am Sediment dredging**
	1. Sediment samples (Niroy)
	2. Sediment movement some history (Niroy).
6. **12:30pm Lunch**
7. **1:10 pm Climate Change**
	1. Paper circulated (David H)
8. **2:00 pm Sewage update (Alison)**

Brief update on progress of both Rotorua and Rotomā/Rotoiti sewage programmes. (Alison).

Tarawera sewage steering work (Andy).

1. **2:15 pm In-lake N reduction study (Alastair McC)**

Review of In-lake actions to achieve 50 t N target. Draft report to circulate.

1. **3:00 pm Tarawera conceptual plan (Alastair McC)**
2. **3:45 pm Other business**
3. Ohau Wall update corrosion and fish pass (Andy)
4. Update on Plan Change 10 policy for Rotorua. (Andy)
5. **4:15pm Other matters (that have been on hold)**

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| White: Undertake simple GW work to establish GW catchment boundaries for Rotomā.  | **On Hold** | Not commissioned yet, monitoring started McIntosh |
| Bruere: Recommend development of methodology for establishing P loads from land use. Take to Land TAG and talk to Sandy Elliott | **On Hold** | Andy refer to new Land TAG Workshop in November 2016.  |
| Repeat the NIWA monitoring work around septic tanks at Ōkāreka and install a shallow water bore at Steep Street for ongoing monitoring.  | Paul has undertaken one round of peizo monitoring. | Paul Scholes progressing  |

1. **4:30pm Meeting finish**