

Agenda for Water Quality TAG meeting

12 June 2014 at 9:30 am

Bay of Plenty Regional Council Rotorua office

1 **Apologies**

2 **Matters from last meeting**

- (a) Tikitapu update to model (Chris M and Paul White)
- (b) NIWA BOP Lake internal loads report update (Clive and David)
- (c) *note others matters arising have been included in the agenda.

3 **STAG update**

- (a) SAG meeting notes (Andy/David)
- (b) Sediment work Rotorua and Rerewhakaaitu (Max)

4 **Model updates**

- (a) Rerewhakaaitu (David)
- (b) Rotokakahi (David)
- (c) Ōkaro catchment modelling(David/ Ryan M)
- (d) Rotomā nutrient load update (David/Chris)
- (e) Rotomā catchment boundary (Penny) Basin and the north west boundary.
- (f) Rotoiti catchment land use output from Overseer 6 (Penny McCormack)

5 **Ground water:**

5.1 Ground water boundaries for Rotorua catchment (Paul W)

5.2 GW monitoring for Ōkāreka (Paul Scholes)

6 **Alum dosing protocol update**

- (a) Progress on Rotorua and Rotoehu alum dosing (Niroy)

7 **Rotorua sewage update**

- (a) RDC sewage steering committees (Andy/Alison)
- (b) SWAT project on Whakarewarewa (David/Wang)
- (c) Sewage TAG (Alison)
- (d) N isotope work (Warwick)

8 **Rotorua Modelling project for N&P and Alum impact**

The Rotorua model, 435 t N target and lake N load (See notes from John and David)

9 **Science Plan (Andy)**

10 **Nano-bubble trial**

Presentation on the trial work to be undertaken by Gang Pan on nano-bubble technology.

11 **Aquatic weeds and Lake SPI**

- (a) Presentation on aquatic plants and biosecurity (Hamish Lass BOPRC)
Hamish and Rohan Wells to develop presentation on status of aquatic weeds, this may be covered by joint presentation.
Also presentation of Lake Rotoehu weed harvest results (Paul Scholes)
- (b) Nutrient loads from weed removal (Clive/Paul memo)
- (c) Presentation on Lake SPI (Paul Scholes)
- (d) New weed harvester, performance and RDC weed removal (Richard Mallinson)

12 **Rerewhakaaitu**

- (a) To get high-frequency buoy in Lake Rerewhakaaitu (Andy/Chris)
- (b) Sediment anoxia effect work undertaken by NIWA(Reported in item 3(e))
- (c) David Burger to bring report to next WQTAG meeting on Rerewhakaaitu farmers projects.

13 **Cyanobacteria update**

- (a) Progress on evaluation of records and recommendations on future approach (Alastair Suren)
- (b) Development of local cyano monitoring buoys (David/Chris)
- (c) Comparison between monitoring buoy and cyano bacteria monitoring (Paul S and Chris McB).

14 **Detainment bunds verification(John Paterson/David H)**

15 **Other business**

- (a) Land TAG progress (Andy)