

Appendix A: Tribunal questions in writing for witnesses that appeared in hearing one of stage three of the National Freshwater and Geothermal Resources Inquiry (Wai 2358)

Questions from Dr Grant Phillipson

Dr Gregory Bignall (Wai 2358, #17)

1. Para 49: What are the 'recent green-H2 initiatives that have been carried out at Mokai?
2. Para 50: Please expand on the statement that there was 'environmental damage to surface features and waterways at many areas, largely though an initial lack of knowledge on geothermal system response to extraction and injection'. Please explain this further, give examples, explain what the level of scientific knowledge was at the time, and elaborate on what has changed since in your opinion.
3. Paras 22-41: Apart from power generation, how many of the activities listed in these paragraphs are carried out in New Zealand, and to what extent?
4. In New Zealand, is over-allocation an issue for particular geothermal fields or systems?
5. What are the environmental risks of geothermal power generation and other uses in respect of new or recent geothermal developments?

Professor David Percy KC (Wai 2358, #13)

1. Para 61: What did the Court of Appeal in the *Coldwater* case mean by 'formal participation in the decision-making process'?
2. Please provide a list of specific legislative provisions in which the Crown asserts ownership of water. Do any of these provisions include geothermal water?

Brian Cox (Wai 2358, #D24, #16)

1. Para 68(b): Who prepares the System Management Plan for each specified Development Geothermal System? What consultation occurs on these plans?
2. During the corporatisation of government in the 1980s, what process did the Crown follow to withdraw from its geothermal projects? Do you know if there was consultation with Māori?
3. In answering questions from Mr Crosby, you mentioned that geothermal royalties were charged in Rotorua, and that there was a clear legislative formula for calculating geothermal royalties. Please provide further details on these points.