

BOARD OF INQUIRY

**Turitea Wind
Farm Proposal**

IN THE MATTER of the Resource Management Act 1991

AND

IN THE MATTER of a Board of Inquiry appointed under s146 of the Resource Management Act 1991 to consider an application by Mighty River Power Limited for resource consents to construct, operate, and maintain a wind farm at Turitea

Sent by email:

**MEMORANDUM ON WATER QUALITY
AND SEDIMENT RUNOFF ISSUES**

[1] The Board is concerned to better identify:

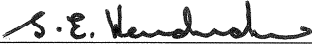
- where exactly the soil disposal sites and sediment ponds are to be located in relation to streams and ephemeral streams and exactly how large they are going to be; we note their general position in MRP's AEE of the Turitea Wind Farm *Redesign February 2010 Map, Geospatial Drawing No, 0848-RK575*;
- if there is a heavy rainfall event of sufficient magnitude such that the identified systems fail to contain the sediment thus entrained, which stream systems would this sediment runoff channel into?
- we noted that in one of the caucusing sessions that it was agreed that a Flocculation Management Plan should be implemented,¹ but we see this has not followed through into the *Redesign Conditions of 2010*;²

¹ *Caucusing Notes For Expert Witnesses* (Aquatic ecology) Dr Brian Coffey (for MRP) and Dr Paul Blaschke (for PNCC) third para at p1.

² MRP *Turitea Wind Farm Supplementary Evidence*, 1 February 2010, paras 26-29.

- how do flocculation systems work, and how would flocculation be undertaken in an unsupervised situation: we note Mr Mark Brown at the time of hearing was involved in drawing up a flocculation management plan³ and Mr Vaughan has had experience of flocculation issues in Auckland too.⁴

DATED at Wellington this 23rd day of February 2010



S E Kenderdine
Environment Judge

Chair
Turitea Board of Inquiry

³ Mark Brown s42A Report, para 10.2.7.2

⁴ Mark Brown s42A Report, para 3,2. Vaughan R.E.