

## Anri Vermeulen

---

**From:** Paula Tolksdorff  
**Sent:** 25 September 2008 11:25 AM  
**To:** Anri Vermeulen  
**Subject:** FW: Mooi-Mgeni Transfer Schem  
**Attachments:** wolf.vcf; image001.png

Please capture and file

Regards  
 Paula Tolksdorff  
 Cymbian Enviro-Social Consulting  
 Office - 011 6786680  
 Fax - 086 659 7314  
 Cell - 082 376 2497




---

**From:** Wolfgang Kanz [mailto:wolf@afzelia.co.za]  
**Sent:** 24 September 2008 12:00 PM  
**To:** anria@cymbian.co.za; Paula Tolksdorff; Peter Teurlings  
**Cc:** Jonathan Parkinson; Ian Dickson; Jon White  
**Subject:** Mooi-Mgeni Transfer Schem

Dear Peter and Paula,

We have submitted our concerns regarding the water pipeline to yourselves; however it appears little cognisance of these have been taken. In review of other issues related to the scheme, we would also like to draw your attention to a number of issues that have not been adequately quantified and assessed. Whilst we have recognised the need for eThekweni to have more water, the following issues have not been addressed:

1. The actual hydrological and ecological impacts of a catchment transfer scheme have not been evaluated
2. No impact assessment has been carried out considering aquatic impacts downstream
3. No impact assessment has been carried out considering aquatic impacts within the adjacent catchment that will receive the water
4. No attention has been paid to the following considering downstream habitats, which are required for an EIA on an inter-catchment transfer scheme:
  - a. Impacts on invertebrates as a result of changes in river flow
  - b. Changes in peak flows downstream
  - c. Alteration of hydrological regime
  - d. Changes in community structure associated with the impoundment and transfer stream
  - e. Impacts via dsruption to trophic pathways
  - f. Introduction of alien fish species
  - g. Impacts on fish breeding areas e.g. changes in seasonality of flow impacts on fish breeding beds
  - h. Increased flood risk

2008/10/09

- i. Alteration of habitats and ecology
- j. Introduction of aquatic organisms
- k. Changes in water quality
- l. Changes in sediment loading
- m. Water temperature changes
- n. Water nutrient changes
- o. Introduction of fish disease
- p. Impacts on nesting birds downstream
- q. *Ecological* impacts of inter-basin transfer
- r. Baseline surveys should be carried out for insects, fish, aquatic and terrestrial plants and animals
- s. The disease and parasite status of fish populations in the donor and receiving rivers should be determined
- t. The impact of the impoundment on the downstream ecology of the Mooi River
- u. Genetic biodiversity and heterogeneity

In light of the above, it is our contention that this further strengthens the need to complete additional study and afford IAPs reasonable review periods of an amended draft EIR that incorporates all of the above impacts / issues.

Regards,  
Wolfgang