

**Bay of Plenty Regional Council  
DIRECTIONS OF THE COMMISSIONERS  
RM20-0462 Zivi Limited**

**Questions for Zivi Witnesses**

- [1] Having read the pre-circulated Zivi statements of evidence, the commissioners have a number of questions for the Zivi witnesses.
- [2] We would appreciate the witnesses providing written answers to the attached questions prior to the hearing. To be of most assistance to the commissioners it would be helpful if those written answers were provided on or before Thursday, 24 March 2022.
- [3] However, if written answers are not able to be provided prior to the hearing then the witnesses should table and read aloud their written answers at the hearing.



Rob van Voorthuysen  
For the Commissioners  
17 March 2022

## QUESTIONS FOR ZIWI WITNESSES

### Tom Coughlan

Para	Question
9	What is the anticipated date when operations in Napier will commence?
20	You refer to other sources of odour in the local industrial area. <ul style="list-style-type: none"> <li>▪ Do any of these sources emit odour of a similar character to the odour discharged from Zivi?</li> </ul>
8	Please explain the reasons for opting for total odour containment and treatment via chemical scrubber at the Awatoto site (as discussed briefly in Ms Ryan's review). Why was an odour scrubber not proposed for the new plant?

### Roger Cudmore

Para	Question
48	Is that "long-term odour effects" (or chronic odour) assessment technique relevant given the 12-month maximum duration now sought by Zivi?
93	Are those key operating parameters currently contained in the recommended conditions?
21	Have fugitive odours discharged via the two 15m high vents now been reduced to the extent anticipated? Has any testing been undertaken to verify the odour emission rate from the vents? Do you expect that a 2000 OU/s emission limit for both vents (as modelled) could be met?
33	You estimate an odour emission rate from the driers in the order of 12,000OU/s, based on monitoring of emissions from the scrubber treating two driers in August 2021. <ul style="list-style-type: none"> <li>▪ Does this indicate that there may be difficulties in complying with the proposed 10,000OU/s emission limit for the drier discharge, or has the scrubber been optimised further?</li> </ul>
46	You note that frequent exposure to low to moderate intensity odour can cause a chronic nuisance effect. <ul style="list-style-type: none"> <li>▪ Please explain how this differs from an "objectionable or offensive" odour effect arising from repeated exposure.</li> <li>▪ Is there any difference in practice?</li> </ul>
52	Have the suggested Odour Hour frequency targets of less than 5% for industrial areas and 2% for residential areas been applied to other assessments in NZ?
34	What odour emission testing regime is proposed to confirm ongoing compliance with the emission limits? Are quantitative odour monitoring results now available for the drier and vent discharges?

## Dirk Hasselhoff

Para	Question
22	What are the key parameters relating to scrubber operation that should be specified in consent conditions? Are any changes to the recommended conditions appropriate to address this?
-	How robust is the ozone scrubber system? Have there been any breakdowns or issues to date? What is the response time for attending to any issues?
29	You state that the drier exhaust flow can exceed the scrubber design when all 4 driers are at full exhaust flow and the scrubber operates outside design flows. <ul style="list-style-type: none"> <li>▪ Is monitoring proposed to prevent this? Should this be addressed via a consent condition or the management plan?</li> </ul>

## Deanne Barretto

Para	Question
19	By way of a letter from Ziwi counsel dated 22 September 2021, Ziwi formally amended its application so that the consent duration sought was no more than one calendar year from the date of granting of consent <u>or whenever Ziwi vacated the Mount Maunganui site, whichever is the earlier.</u> <ul style="list-style-type: none"> <li>▪ Has Ziwi's resiled from the underlined text?</li> </ul>
25	The Section 42A Report references Rule AIR-R15(18) of PC13. You reference Rule AQ R2(r) of PC13. <ul style="list-style-type: none"> <li>▪ Why is that?</li> </ul>