

From: Sam Weiss <[REDACTED]>
Sent: Friday, 24 July 2020 5:01 pm
To: Reassessments
Cc: [REDACTED]
Subject: Methyl bromide reassessment - APP203660
Attachments: ASG re Sullivan Modelling July 2020.pdf

To the Environmental Protection Agency,

We submit the following as evidence for the EPA reassessment of methyl bromide:

1. New methyl bromide monitoring results

On 16 July 2020 Bay of Plenty Regional Council staff carried out some air monitoring over water, approximately 120m downwind from a ship ventilating methyl bromide. A MiniRae 3000 photo-ionisation device (MiniRae) was used to monitor, in conjunction with an evacuated canister from Hill Laboratories, placed within an unmanned and anchored vessel.

There were strong easterlies present, with winds gusting at times in excess of 30kph.

We recorded the following provisional results:

1. MiniRae maximum 1 hour rolling average: 3.0 ppm TVOC (total volatile organic compounds)
2. MiniRae maximum recorded value: 22.2ppm TVOC
3. MiniRae average over 2.5 hours: 2.3ppm TVOC
4. Canister reading over the same 2.5 hour periods: 1.54 ppm methyl bromide

* The MiniRae had previously been calibrated for methyl bromide, with a correction factor of 1.7.

2. Ship hold openings in order to vent methyl bromide

From our observations during the monitoring on 16 July 2020, all five ship holds went from being fully closed to fully open in less than two hours.

3. Members of the public may lawfully anchor and travel within 100m of ships berthed at the Port of Tauranga and from the edge of the wharf (but no closer than 50m), unless they are obstructing the passage of a vessel.

4. Sullivan Environmental Consulting, Modelling Report, dated 22 June 2020.

The Bay of Plenty Regional Council has significant concerns about this Sullivan report, most of which are laid out in Jenny Barclay's (ASG) document, dated 24 July 2020 (attached) or in the Todoroski Air Sciences Review, dated 23 July 2020.

Kind regards,

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Thriving together – mā te taiao, mā ngā tūngata

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