
RAVENSDOWN RESOURCE CONSENT RENEWAL PROJECT
TECHNICAL FOCUS GROUP
MEETING 4 MINUTES - FINAL¹

DATE Friday 27 August 2021
TIME 9:30am - 11:30am
VENUE Meeting held by Zoom

IN ATTENDANCE

Andrew Torrens - Ravensdown	Aki Paipper - Kohupātiki Marae
Helen Hurring - Ravensdown	Margie McGuire - Kohupātiki Marae
Stephen Daysh - Mitchell Daysh	Chad Tareha - Ngāti Pārau Hapū
Anita Anderson - Mitchell Daysh	Shade Smith - Ngati Kahungunu Iwi Inc
Bruce Wills - Ravensdown (Director)	Jenny Mauger - Kahungunu ki Te Matau a Māui
Stephen Esposito - Ravensdown	Sam Robinson - Ravensdown Customer
Jamie Thompson - Ravensdown	Fred Sugden - Taradale High School
Malcom Miller - HBRC	Madison Milley - Taradale High School
Tania Diack - HBRC	Elliot Morell - Taradale High School
Andrew Curtis (PDP) - HBRC Technical Advisor	Ami Coughlan - Fish and Game
Shane Kelly (Coast and Catchment) - HBRC Technical Advisor	Matthew Brady - DOC
Kyle Christensen (Kyle Christensen Consulting) - HBRC Technical Advisor	Bridget Wilton - Horticulture Ltd
Andrew Gass - NCC	

APOLOGIES

No apologies received

1. Introductions and Karakia

- Bruce Wills and Stephen Esposito introduced themselves to the group.

2. Draft Minutes - TFG Meeting 3, 16 July 2021

- The minutes of the third meeting of the TFG, dated 16 July 2021, were confirmed as a true and correct record of the meeting.

Moved - Chad Tareha
Seconded - Jamie Thompson
Carried unanimously

¹ Confirmed at TFG Meeting 5, 1 October 2021.

- The meeting minutes will be finalised and attached to the minutes of Meeting 4 (Attachment 1) and added to the project website.

3. Presentation of Draft Air and Water Discharge Strategies.

See presentation (project website).

- Andrew provided an overview of the air and water discharge strategies (provided to the TFG via email) for the resource consent renewal. These have been prepared with the project technical team - Aurecon (Water) and Tonkin+Taylor (Air).
- Stephen requested that the TFG members sent through any specific questions in writing by 3 September.
- The following matters were discussed. Responses from the project team are noted in italic font.
 - Proposed reduction of SO₂ emissions from 60kg to 40kg/hr.
The sites double absorption plant operates at greater than 99.5 % Sulphur recovery. Andrew Curtis noted that this was a significant reduction and would bring Ravensdown into line with best practice and other similar discharges from plants in New Zealand.
 - Will the converter upgrade project reduce the SO₃ emissions.
Ravensdown propose to retain the current SO₃ emission limit in the resource consent. The two absorbing towers installed in 2013 provided some improvements in the SO₃ emission levels, however the converter upgrade project will have no effect on SO₃ emissions, only the SO₂ emissions.
 - Scrubber upgrade project effect on SO₂ emissions from the manufacture plant.
Ravensdown are proposing an emission rate limit of 10kg/hr for SO₂ emissions from the manufacture plant. The final scrubber design and its effect on absorption is yet to be confirmed.
 - Site production and start ups in relation to bird roosting.
The site operates from August to May with planned shutdowns in winter and December.
 - Where does the fluoride from scrubbers go?
All fluoride absorbed in the scrubbers is reused in the process.
 - Encouragement for Ravensdown to reduce fugitive emissions.
 - How is the Source Protection Zone being considered with the proposal to discharge to land through irrigation?
Ravensdown are aware of concerns in relation to the Source Protection Zone and are undertaking further investigations with an expert team consisting of a Geo-hydrologist, Precision Irrigation and Soil Experts to assess the option and confirm the practicality of a land discharge. Their preliminary finding will be presented to the TFG at the next meeting on 1 October. This work will include recommendations on the most appropriate crop for the site.
 - The use of organic matter to minimise environmental impact and rejuvenate land and soils.
This is something that Ravensdown would need to research further.
 - Is the phosphate ethically sourced - both environmentally and socially?
Ravensdown have a Supplier Code of Conduct and only do business with companies that have been verified. The Ravensdown Integrated Report provides further detail.
 - Commitments outlined in the Water Discharge Strategy document.
Ravensdown is proposing to commit to discharge limits over an agreed period of time through an Adaptive Management Plan, with the company leadership being committed to the proposed approach detailed in the discharge strategy and the monitoring that will inform this.
 - Shane commented that the Water Discharge Strategy focuses on water quality however it should also include principles of water quantity design and a strategic view on how flow will be addressed on site.
The discharge strategy will be amended to include this.

- Chad presented on a proposal from Ngāti Pārau detailing the creation of a four-hectare wetland within the Waitangi Estuary at an estimated cost of \$100k. The project would aim to address the impacts of water discharges on the estuary and create a Whitebait spawning area, Mahinga Kai Habitat and Taonga Species Habitat.
 - Jenny suggested that it could be time to consider integrated management of the estuary and get the business and landowners in the Awatoto area to work together to develop an overall strategy.
 - Fred asked if there was any specific research around plants in the area and Stephen responded that any Habitat Abundance Restoration Programme that Ravensdown were proposing as part of the consent package would have a monitoring programme in place for habitat and species.
- Andrew noted that the comments from the TFG would be considered by Ravensdown and the technical team and the discharge strategies would be updated as appropriate and / or addressed in the technical effects assessments by each subject author.

Agreed Action 1: Ravensdown to include a section in the Water Discharge Strategy document in relation to water quantity.

Agreed Action 2: TFG members to provide any comments regarding the Air and Water Discharge Strategies by Friday 3 September 2021.

3. Presentation of draft scopes for Assessment Studies and Management Plans.

See presentation (project website).

- Chad let the group know that Ngāti Pārau were holding a hui to authorise the lead author for the Cultural Impact Assessment.
- Margi noted that Ngāti Hori, Ngāti Hawea and Ngāti Hinemoa would like to be involved in the reporting. Chad responded that Te Taiwhenua O Te Whanganui-a-Orutū have agreed to work with these hapū and he would discuss this with Aki and Margi.
- Stephen asked for TFG members who would be interested in being involved in the development of the Waitangi Estuary Habitat Abundance Restoration Plan. The members that expressed interest were Jenny Mauger, Margie McGuire, Aki Paipper, Fred Sugden, Madison Milley, Elliott Morrell, Chad Tareha, and Jamie Thompson.

Meeting Closed at 11:42am

Minutes prepared by Helen Hurring and Anita Anderson

Attachment 1: FINAL Minutes, TFG Meeting 3, 16 July 2021