



Provide the last 2 years of Quarterly Compliance Reports and look into earlier reports.		An NLG platform is in place for those who subscribe to it and additionally reports are available on HDC's website
Information to NLG to include what high levels of Boron would mean to the community		<b>17 November 2020</b> Phil has responded to Asli, Will be circulated with the minutes
Ryan to write to KCDC clarifying his email regarding compliance with a copy to David M		<b>17 November 2020</b> Copies were circulated <b>Complete</b>
HDC to arrange for a specialist to come to NLG meeting to explain leachate treatment process		<b>17 November 2020</b> On the agenda for this evenings meeting <b>Complete</b>
David Clapperton to write to CE of HRC reminding them of their responsibilities to the NLG Meetings	David C	<b>17 November 2020</b> David C advised he had a verbal conversation <b>Complete</b>

### Levin Landfill Compliance Review – The Catalyst Group

Jenny advised that Council require the opportunity to provide a response to the report that will be presented to the NLG with the Levin Landfill Compliance Review.

Jenny suggested that the presentation on the Levin Landfill Compliance Review is delayed to 1 December 2020 to enable the above to take place.

Christine noted it states at the beginning of the Compliance Review that the report was produced by Tess Drewitt for HDC and the PMG and as such does not understand why HDC need to respond.

Lisa responded that the report has only recently been received and HDC require time to review it. HDC will review and provide comments by 27 November 2020.

David M said that it is an independent report and should stand on its own merits. David M does not see why it should be held up and that in his opinion, previous compliance reports have been few and far between and not independent.

Hamish Sutherland responded that they have been completely independent.

There was group discussion on this item being adjourned and reconvened on 1 December 2020 to enable HDC to review and provide responses.

Asli noted that the Assessment was commissioned as part of the Landfill Agreement to be reported back to the PMG (which took place last week) and questioned if the Assessment should in fact be presented to the NLG.

Hamish Sutherland advised that HRC have not formally been presented with the Catalyst Compliance Review for comment and further advised that HRC's Annual Compliance Report has been further delayed until January/February 2021. Hamish gave his apologies for the delay.

Greg suggested that HRC review the Catalyst Compliance Review (at their discretion) and HDC provide an addendum for presentation with the report to the NLG on 1 December 2020.

Greg further noted that HRC are welcome to contact Tess as required with any queries.

Hamish thanked Greg and noted it is a useful process for HRC.

David M suggested a meeting be scheduled once the HRC Annual Compliance Assessment is received, Hamish agreed and 23 February 2021 was set for HRC to present their report. To enable the group to read the report prior to the meeting, the report will be disseminated by 16 February 2021. David M further suggested that HRC send the report directly to NLG participants. Hamish advised that it is a consent condition for HDC to provide the report to the NLG. It was agreed to provide it the report to HDC to disseminate.

## Leachate Treatment Process



Levin Landfill  
Leachate Process Flc

Asli gave an overview of the process that Levin Landfill follows for Leachate Treatment with a hand out. (Please find above for ease of reference).

### The following was noted:

- Leachate is within the parameters of the Trade Waste requirements
- Leachate does not break down as such, the solid parts stay as solid and liquid parts stays in the liquid
- COD and BOD biological treatment takes place
- The treatment process is typical of other treatment plants
- There are other Wastewater Treatment Plants that accept Leachate as well as Trade Waste in New Zealand
- Bonnie Glen trucks its leachate to Wanganui
- Chemicals that end up at The Pot include nitrogen (within acceptable parameters) and phosphorus (within acceptable parameters)
- There are influent and effluent parameters.
- Water leaving the Treatment Plant is tested and reported on which is a requirement of the consent
- Leachate is no different to other trade wastes
- Viv B advised that they are seeing more leachate leaking out the landfill boundary (Old Landfill)
  - David M agreed and further noted that it drains to Tatana Drain, then ends up in the Hokio Stream which the Community is angry about
  - Asli said that an investigation into this leachate treatment process is underway
  - Geoff K said that the agreement between HEKA and HDC was to do with leachate leaving boundary of the Landfill and entering the Hokio Stream
  - David M suggested that HDC needs to look at the leachate situation at the old landfill and report back to the NLG what they are going to do about it

- David M further noted that the PMG received a report this time last year, suggesting to turn the Tatana land into a wetland scheme, this has not yet come to fruition and David M would like an update from HDC at the next meeting
- Geoff Keith said he has written to both The Mayor and CE on this point and suggested the work of John Todd, an International Expert in this area be considered as they have been successful in other countries
- David C agreed a report was received December 2019, which was predicated on the procurement of the Tatana Land (HDC are currently working through that process)
- Asli advised that there are other options that can be explored
- Asli advised HDC will inform HRC and NLG in April 2021, as per the consent conditions
- David M stated that in the meantime the Tatana's seems to be filling in more and more of the wetland and the material could be used to put on the old landfill as a final capping
  - Hamish Sutherland advised he will look into this
- HDC holds a consent that allows contaminants to go to land and water (within set parameters)
- Jenny noted that the Hokio Stream used to feed families and now you would not want to let a dog in it – not acceptable – Jenny reinforced the importance of needing to hear from Adam at the next meeting
- Jenny asked Sam to keep an eye on this politically and noted a lot sits with the Regional Council.
- Peter Everton advised that odours are still leaving the boundary

## Bio filter Requirements & Date Changes in Consent Conditions



Leachate Collection  
Manhole Gas Treatn

Phil Landmark from Stantec gave a power point presentation (included above) that provided an overview of the process of treatment of landfill gas by the bio filter and landfill flare and comparing the two treatment processes.

The bio filter accepts gas from the leachate collection manhole and the landfill gas flare deals with all other collected landfill gas.

HDC asked Stantec to prepare a comparison report on treatment of landfill gas through the bio filter or treating it by re piping it and treating it through the flare.

In 2015, MWH undertook an Odour Assessment at Levin Landfill; this identified there was a significant amount of gas coming from the Leachate Collection Manhole (which could certainly be a source of odour). At that time, there were 2 options suggested for treating it, either through a bio filter or flare. At that time, there was no flare installed on the Landfill so HDC installed a bio filter to treat that particular landfill gas.

In 2017, the Landfill Gas Flare was installed and in 2019 the pipe network for collecting landfill gas was extended, meaning it is now quite easy to connect directly to the leachate collection manhole and treat it that way.

There was discussion on the costs/benefits of connecting the Leachate Collection Manhole to the Landfill Gas Flare.

Phil advised that, at a high level it is Stantecs recommendation to treat the gas through the Landfill Gas Flare would be more advantageous then through the bio filter and outlined why.

This would require a variation to the consent.

Group discussion took place.

Christine Moriarty asked that the report be peer reviewed.

David M asked if this process was covered in the Odour Management Plan.

Hamish S responded that under the new consents, the Odour Management Plan has to be redrafted and it is currently being assessed to determine if this is required.

Hamish S noted that the Landfill Flare Consent sits outside of the scope of consents observed by the NLG.

Greg said that he was under the impression the bio filter had been decommissioned.

Asli confirmed that it has not been decommissioned; it had a fan breakage that was repaired.

Greg asked if Council is seeking the support of the NLG in this process.

Asli confirmed that yes Council is seeking feedback from the NLG.

Jenny stated that it sounded like a better solution.

Christine again asked for the report to be peer reviewed.

Geoff K supported it in principal and noted that it seems to be a step in the right direction. Geoff requested it be peer reviewed.

Asli responded that she has a background in engineering, that Phil is very well known expert in this field, and that she trusts Phil's recommendation.

Christine M responded that they have been mucked around and annoyed for twenty years and they do not trust Council.

Greg suggested the Regional Council get some advice from a qualified practitioner and the Community could rely on that advice.

Hamish responded that Stantec would have their own internal Peer Review Process, Phil confirmed that they do.

Asli confirmed that the bio filter processes is unreliable and that HDC want to offer a better process.

Geoff K responded that they know, looking at international opportunities that you consider multiple options and do not just put forward 1 solution. He further added that they think this is a great step forward but would like another perspective through HRC.

Hamish S replied that the way the NLG consent conditions work is that if there are any changes/variations of consents they had to be run through the NLG (which is what HDC are doing now). HDC can then apply for a variation.

Hamish further advised that Stantec are very reputable and he 100% supports what Asli said about Phil's credibility.

Trevor also noted his support of Phil and does not believe another opinion is required.

Geoff K advised the withdrawal of a request of a second opinion and fully supports Phil.

David M suggested HDC proceed with applying for a consent variation and HRC reports back to the NLG at the February meeting.

Asli noted that as part of the variation process they would like to tidy up dates to which Jenny agreed.

### **Amended Landfill Consent Conditions Permit 6009**

Complete. The consents are in place.

### **Report from PMG on Closure**

Greg advised that Council have commissioned further work from Morrison Solutions.

Greg further advised that Council is going through a process that will conclude early 2021, with a determination as to whether the Landfill will close or remain open.

David Clapperton confirmed that Morrison Solutions are preparing a Business Case that will include not only an economic analysis but also environmental, social and cultural analysis, robust for Council to make a decision.

The earliest date for closure is November 2021.

Asli advised that the waste levy is increasing from \$10 to \$60 in 3 years time.

Christine asked when a decision would be made.

David Clapperton said early 2021.

### **Other Items for Discussion**

David M foreshadowed the need for the following updates:

- Old landfill capping
- Composing of green waste.

Asli responded that composting of green waste is part of the Waste Minimisation Plan and will be undertaken within the next year.

David M responded that this is now becoming urgent.

### **Meeting Closure and Karakia**

David Moore closed the meeting with a Karakia

### **Next Meeting Date**

23 February 2021

### **ACTION LIST**

Action Item	Person/s Responsible	Status
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<b>Quarterly Compliance Reporting</b> Provide the last 2 years of Quarterly Compliance Reports and look into earlier reports.	Asli Crawford	Complete
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