

**Minutes**  
**Redvale Landfill**  
**Community Liaison Committee Meeting**  
**Held at the Redvale Landfill Office - Monday 15/08/2022 at 6:30pm**

Welcome: 6:30pm: Warwick Hojem

Present: J Hutchinson, N de Witte, L Johnston, J Jefferis, A Nicholas, S Dryland, G Jujnovich, M Joubert, W Hojem, B Gibbs, G Knight, K Hills, M Drury

Apologies: A McNeil

Absent: K Storie, S Walker, B Kapea

Minute's previous meeting: Circulated.

*Minutes be accepted as a true and correct record – N de Witte*  
*Seconded – J Hutchinson*

Correspondence In:

- Email from L Johnston to all with a request for information (25/5)
- Email from M Joubert to W Hojem & S Dryland with an update of the Auckland Council odour process (28/6)
- Email from L Johnston to S Dryland regarding Council appointment to CLC (always sent during elections) (14/7) *Copy also received from W Hojem*
- Email from W Hojem to M Joubert & S Dryland responding to M Jouberts email of 28/6 with Auckland Council odour complaint process letter (24/7)

Correspondence Out:

- Minutes sent to all from meeting held 23<sup>rd</sup> May 2022 & a copy of the structured planting plan from the LMP (2/6)
- Email from W Hojem to all with a copy of Auckland Council odour complaint process letter (29/7)

**Matters arising:**

- J Hutchinson raises an issue with trees on Richards Road, some are in bad condition and falling in windy weather. Two trees already dealt with and a third to be checked. WMNZ to maintain and patrol Richards Rd for dodgy trees.
- L Johnston talks about litter on highway. WMNZ to continue to monitor and patrol 1km either side of Landfill Access Rd
- **Benevap:**  
New Benevap now in place and working
- **Stockpile 4:**  
Consent now granted. Bypass road access to public will be restricted during working hours  
(Mon-Fri: 7am – 6pm and Sat: 7am – 3pm)

Should a person have a legitimate reason to access the road during working hours a number will be provided to call, and staff can escort safely. The number will be on a sign posted at the closed gates. Cameras have been proposed at each end. Works planned to start first week of September. Construction works will be completed in stages (approx. 6 stages in total).

- **Bypass road:**  
Control measures were discussed in relation to Stockpile 4 works, as above.
- **Nursery:**  
A recalculation of plants required. Still in discussions with Ngati Rango regarding plant species. Plants are only for closure and are not being used for anything else.

#### **Complaints: Register circulated**

- Air Quality Technician has been using a hydrogen sulphide air monitoring device to record odour. This device is sent for calibrations. N de Witte has his reservations about this device and would prefer a more 'proactive' response.
- J Hutchinson prefers to have comments about wind direction removed from the register as she feels it suggests the complaint has no grounds and is irrelevant. WMNZ and PRP agree that it's not the sole factor in investigating a complaint, it's just one piece of information. G Jujnovich will sit with Air Quality Technician to discuss appropriate wording when recording complaints.

#### **Operations report: G Jujnovich**

- Receiving between 2500-4000 tonnes per day (175 – 290 trucks)
- No changes with managed fill
- Low soils but should increase in the coming months
- 4x odour cannons in operation.
- G Jujnovich has not had much luck with specialists regarding bird control methods. Have investigated sonar and paint guns. However, shooting is still the best control we have at this stage. Also improving daily cover to deter birds. Noticed low numbers of Canadian geese which is great. No issues with cats or rats on site.

#### **General Business:**

- ARL update – Hearing is ongoing – nothing new to report
- S Dryland will report airspace numbers when they are made available
- Abatement notice update: WMNZ removed the leachate to bring levels down. The surrounding bodies of water are constantly monitored and showed no evidence that it leaked out. Regular testing of sediment ponds to ensure no leachate flows into Rangitopuni Stream.
- G Jujnovich responded to L Johnston's request for information
- L Johnston discusses Council items

#### **Redvale Airspace update:**

As of the 01 July 2022 the following Airspace:

Percentage air space to fill: 20.87%

Percentage of landfill, filled: 79.13%

Percentage of landfill final cap completed: 31.54%

Percentage of landfill final cap still to complete: 68.46%

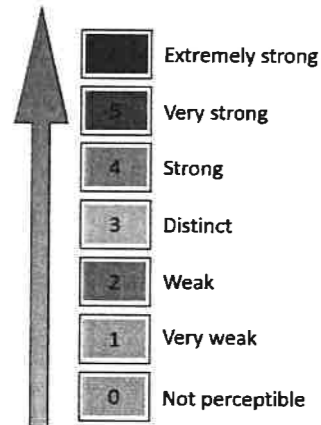
Next meeting date: 14 Nov 2022  
Christmas dinner: 28<sup>th</sup> November

Meeting closed: 7:44pm

<https://www.wastemanagement.co.nz/my-region/auckland/redvale-energy-park-community-liaison/>

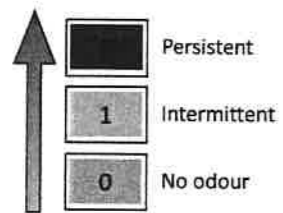
<https://www.wastemanagement.co.nz/my-region/auckland/auckland-regional-landfill/>

## Odour Intensity



Odour Intensity: The perceived strength of an odour above its threshold. It is determined by an odour panel and is described in categories that progress from "Not perceptible"; "Very Weak"; "Weak"; "Distinct", "Strong", "Very Strong", to "Extremely Strong".

## Frequency Scale



Odour frequency: The perceived duration or time or exposure experienced.



Date of Incident	End Date of Incident	Time of Incident	Time of Complaint	Complaint #	Complaint By	Address	Odour - Noise - Litter - Mud -	Complaint Detail	Wind Direction	Wind Speed (m/s)	Complaint Received By	Site Visited by Redvale	Detected Odour when visited	AC Notified	Investigation and Response
27/05/2022	27/05/2022	14:28	14:28	1305	Nick de Witte	8 Karahiwi Lane	Odour	We have level 3 odour coming over intermittently. Rubbish	ENE	3.3	MT	Y	Y	Y	The wind is blowing towards the address. No odour was detected at the beginning of Karahiwi Lane. However, a level 1 odour was detected at our boundary where the wind is blowing towards the address.
6/06/2022	6/06/2022	8:07	8:07	1306	Jennie Hutchinson	184 Richards Road	Odour	Very strong "ripe" odour at the house. Been consistent for past 25 mins. Have had to close windows. Almost no wind, and no rain. Weather clearing. 5/6	NNE	0.74	MT	Y	N	Y	The new odour cannon on the old haul road would not start. It took 45minutes to an hour to get going. The wind is blowing towards the address.
7/06/2022	7/06/2022	9:59	9:59	1307	Jennie Hutchinson	184 Richards Road	Odour	String sweet/ripe tipface odour. 5/6 Also very noisy today, and noisy very early on. As I write this the clatter of the machine tracks is very audible. If there was a 1-6 noise scale I would give a 3/6. For around 7am, worse, 5/6 for noise.	ESE	0	MT	Y	N	Y	The staff investigated and did not detect tipface odour at the address, around the neighbourhood area, or within our boundaries. The wind was blowing in a different direction, not towards the address (Wind direction SE - 145). Hydrogen sulphide concentration reading in the air at the address is 0.00 ppm. The weather is very foggy and has high moisture around the area. There was a brief smell of vegetation. On the other hand, the noise reading was around 48 dB which included other contributors like bird noise, cars and trucks, and road work on Dairy Flat Highway.
9/06/2022	9/06/2022	10:41	10:41	1308	Steve Thomas	55 Postman Road	Odour	Odour 3/10. Tipface.	NW	3.5	MT	Y	N	Y	The complainant got out of his car to get inside the house and detected the odour. No odour inside the house. Hence, he could not give details on the frequency of the odour. Staff went to investigate and was outside the house 7 minutes after the time of the complaint. No tipface odour detected. However, there is a decomposition odour detected around the address. The gutter on the side of the road has a lot of decomposing leaves. The Air monitoring device picked up a maximum of 0.15 ppm H2S in the air above the gutter. The further away the lower concentration.
17/06/2022	17/06/2022	9:28	9:28	1309	Steve Thomas	55 Postman Road	Odour	Just fyi. Low level tip face odours 2/10	NW	1.27	MT	Y	N	Y	Staff went to investigate and did not detect odours in front of the address. However, there is an intermittent 1/6 rubbish odour detected along the Dairy Flat Highway and the wind was blowing towards the address. Asking maintenance worker to check and top up the odour suppressants.
20/06/2022	20/06/2022	11:15	11:24	1310	Auckland Council	Along Horseshoe Bush Road	Odour	Detect distinct odour along Horseshoe Bush Road	SSE	1.91	MT	Y	Y	Y	Staff went to investigate and detected 2/6 intensity, intermittent tip face odour along Horseshoe Bush Road where properties in our easement are located (154 to 223 Horseshoe Bush Road). The wind was blowing towards the area. The concentration of H2S measured in the air fluctuated from 0.05 ppm to 0.1 ppm.
22/06/2022	22/06/2022	9:28	9:28	1311	Auckland Council	Along Horseshoe Bush Road	Odour	Continuously objectionable odour for 10-15 minutes	SW	2.54	MT	Y	Y	Y	Staff went to investigate and detected 3/6 intensity, continuously tip face odour for the first 5 minutes along Horseshoe Bush Road where properties in our easement are located (132 to 176 Horseshoe Bush Road). The wind was blowing towards the area. The odour is gradually diluted and disappeared after 5 minutes. The concentration of H2S measured in the air decreased from 0.20 ppm to 0.01 ppm.
22/06/2022	22/06/2022	11:43	11:43	1312	Andrew McNeil	149 Austin Road	Odour	Odour at 149 Austin road. Strong frequent tip face odour coming up the valley on the Kahikatea valley road.	SSE	1.59	MT	Y	N	Y	The resident at 100 Tender Road notified a complaint at 149 Austin Road. Staff went to investigate immediately after receiving the complaint and did not detect any tipface or landfill odour. The concentration of H2S measured in the air was 0.00 ppm
23/06/2022	23/06/2022	9:06	9:06	1313	Andrew McNeil	149 Austin Road	Odour	Odour at 149 Austin road	SSE	0	MT	Y	N	Y	The resident at 100 Tender Road complains at 149 Austin Road again. Staff went to investigate immediately after receiving the complaint and did not detect any tipface or landfill odour. Only weak farming odour (livestock, farm animals) was detected, same as yesterday. Due to the distance (more than 2 km from the landfill), the wind speed and the number of hills around the area, it's highly unlikely, tipface odour can travel to the address before it gets diluted. The concentration of H2S measured in the air was 0.00 ppm.
25/06/2022	25/06/2022	9:18	9:18	1314	Jennie Hutchinson	184 Richards Road	Odour	Tipface odour just reaching the house. Ripe. Not too bad but as wind coming this way I expect more. 2/6	N	0.22	MT	Y	N	Y	Staff investigated and did not detect the odour. All odour suppression were working.
28/06/2022	28/06/2022	7:48	7:48	1315	Lloyd Richardson	255 Horseshoe Bush Road	Odour	The landfill is emitting horrific levels of LFG this morning. And has been the last several weeks. It's escalated to heights that are dangerous. Our kids have gone to school with sore throats after simply walking down our driveway. Just 150mtrs.	NNE	0.21	MT	Y	N	Y	Staff investigated and did not detect LFG odour. Only intermittent farming livestock odour was detected in the area. The wind did not blow towards the address from the landfill. The H2S concentration in the area was 0.00 ppm.
28/06/2022	28/06/2022	15:09	15:09	1316	Nick de Witte	8 Karahiwi Lane	Odour	Odour drifting over my place for the last half hour. Level 3-4 tip face odour.	NE	2.97	MT	Y	Y	Y	Staff investigated and detected intermittent 2/6 odour. One of the cannon was running out of odour suppressants. Notified maintenance staff to refill.
4/07/2022	4/07/2022	16:53	16:53	1317	Andrew McNeil	100 Tender Road	Odour	Odour at 100 Tender Road Dairy Flat and along Horseshoebush by the dip	NE	0.01	MT	Y	Y	Y	Staff investigated and did not detect any odour. The landfill closed at the time, daily cover is being applied. No odour complaint from other people walking past the Horseshoe Bush Road area
11/07/2022	11/07/2022	16:36	16:36	1318	Andrew McNeil	100 Tender Road	Odour	Landfill odour at 100 Tender Road	ENE	4.24	MT	N	N/A	Y	The complaint came after working hours. Staff did not investigate at the time of the odour. However, during the last patrol of the day at 4 pm and in the other 2 earlier patrols, there was no odour detected on Tender road, and at the landfill boundaries. However, the wind was blowing towards the address all day and the new cannon was down because it needs to be moved to a new location for the operation of the active cell.
13/07/2022	13/07/2022	13:02	13:02	1319	Steve Thomas	55 Postman Road	Odour	Hi Been having odours all day tip face. Alternating between a 3 and a 5	NW	3.5	MT	Y	N	Y	Staff investigated and did not detect any tipface odour from the landfill. The staff detected a different odour that is a mixture of livestock and rotten vegetation odour in 2/6 intensity. It was not an offensive odour. The Air monitoring device picked up a maximum of 0.11 ppm H2S in the air above the gutter. The further away the lower concentration. Staff went to the Dairy Flat Highway which is a downwind position and did not detect any odour. Also, a bit earlier, two people doing odour investigation from a third party did not detect any odour on Dairy Flat Highway locations which is in the middle of the landfill and the complainant's address regarding wind blowing direction.
14/07/2022	14/07/2022	8:20	8:20	1320	Jennie Hutchinson	184 Richards Road	Odour	Time between 7.50am and 8.20 am. From entrance of 184 Richards Road to below 115 Richards Road. Strong, persistent, ripe odour for entire period. 3-4 in strength. Conditions: overcast, no wind, not raining, cool.	NE	0	MT	Y	Y	Y	Staff investigated and detected 2/6 weak, intermittent tipface odour around the area in front of 115 Richards Road but not detected at 184 and further along Richards Road after address 115. There was high moisture in the air. The odour was mixture of tipface and vegetation. It was kind of sweet and rotten but not offensive and continuous. The maximum concentration of H2S in the air was 0.11 ppm.

14/07/2022	14/07/2022	11:18	11:18	1321	Andrew McNeill	149 Austin Road	Odour	Landfill odour at 149 Austin Road, 4 people on site all 4 smell it.	S	1.38	MT	Y	N	Y	Between 165 and 219 Austin road, the vomit odour came from another unknowable source, not from the landfill.
18/07/2022	18/07/2022	8:35	9:10	1322	Nick de Witte	8 Karahiwi Lane	Odour	I have odour at my place since 8:35am. Was tipface now has some LFG with it. Level 3	SW	0.95	MT	Y	N	Y	Staff investigated and did not detect any odour at the beginning of Karahiwi Lane. The concentration of H2S in the air at the address was 0.00 ppm. Wind was not blowing towards the address from the landfill at the time. However, a weak, intermittent, not offensive 1/6 tipface odour was detected at landfill boundaries in the wind direction. The old cannon was in service to change the pump.
22/07/2022	22/07/2022	11:32	11:32	1323	Andrew McNeill	149 Austin Road	Odour	Landfill odour at 149 Austin Road	S	2.34	MT	Y	N	Y	Resident at 100 Tender road complains at 149 Austin Road. Staff investigated and did not detect any odour from the landfill. The wind was not blowing towards the address from the landfill. Staff detected only vegetation odour.
23/07/2022	23/07/2022	11:10	11:18	1324	Lloyd Richardson	255 Horseshoe Bush Road	Odour	it's bad, getting worse by the minute please address	ESE	1.91	MT	Y	N/A	Y	Odour complaint was received via text and Auckland Council Contact Center. There was no investigation at the address because it was at the weekend. However, maintenance staff on site got notified and drove to investigate at the boundaries area in between the address and the landfill. The staff did not detect landfill odour there.
30/07/2022	30/07/2022	8:00	17:43	1325	Jennie Hutchinson	184 Richards Road	Odour	Odour at the property from Bam toll past two pm. Worse at the entrance where we were working. Very strong at the top of To hards road, 5/6 there and 4/6 at the house. Was surprised to smell it so badly at 2pm.	NE	0	MT	Y	N/A	Y	Odour complaint was received after working hours and hours after the incident. Staff could not investigate at the time of the incident.
4/08/2022	4/08/2022	7:58	7:58	1326	Lloyd Richardson	255 Horseshoe Bush Road	Odour	LFG pollution again today. I'm home today lambing please address ASAP	NNE	0.95	MT	Y	N	Y	Staff went to investigate and did not detect any odour from the landfill at the address and the landfill boundaries in front of the properties. However, farming odour was detected. The humidity in the air was high so the odour might be intensified. H2S concentration in the air was 0.04 - 0.1 ppm at the address. The wind was not blowing from the landfill toward the address.
4/08/2022	4/08/2022	7:58	7:58	1327	Andrew McNeill	149 Austin Road	Odour	Landfill odour at 149 Austin Road, 2 on the scale	NNE	0.95	MT	Y	N	Y	Staff went to investigate and did not detect any odour from the landfill at the address and the landfill boundaries in front of the properties. However, H2S concentration in the air was 0.02 - 0.06 ppm at the address. There was never a complaint from the owner of the properties. The wind was not blowing from the landfill toward the address.
4/08/2022	4/08/2022	8:42	8:42	1328	Nick de Witte	8 Karahiwi Lane	Odour	(8:42) I have LFG at my house this morning. (8:52) It has now gone. It was here when I first came out at 8:15 this morning. (9:20) I am at the back of my property and are getting tip face odour.	NNE	0.31	MT	Y	N	Y	There was no landfill odour detected at the address. However, staff detected weak and intermittent tipface odour on Richards road inside notional boundaries due to light air wind was blowing towards earlier. It is weak and not an offensive odour
4/08/2022	4/08/2022	8:50	8:50	1329	Jennie Hutchinson	184 Richards Road	Odour	Tip face odour is coming into the house as I write this to you. Please address. 3/6. Not a breath of wind.	S	0.74	MT	Y	N	Y	Staff investigated and did not detect landfill odour at 43 Tender road. Auckland Council trucks were collecting rubbish on Tender road at that moment. The complainant complain a few minutes after at 212 Horseshoe Bush Road which is inside our easement area. Staff went there and did not detect landfill odour after 25 minutes. The complainant complained about the odour is back again on Horseshoe Bush road and Tender road after staff left the address and in the afternoon. Staff went back and did not detect any landfill odour on Tender road. Maximum concentration of H2S in the air was 0.04 ppm
5/08/2022	5/08/2022	9:22	9:22	1330	Andrew McNeill	43 Tender Road	Odour	Strong landfill odour on Tender road around 43.	ESE	1.38	MT	Y	N	Y	Staff investigated and did not detect any odour at the entrance of the Karahiwi Lane. The wind did not blow towards the address.
5/08/2022	5/08/2022	13:37	13:37	1331	Nick de Witte	8 Karahiwi Lane	Odour	Level 2 odour around my house and sheds today	ESE	1.4	MT	Y	N	Y	No site visit due to complaint received after operating hours. Daily cover was applied at the time
5/08/2022	5/08/2022	17:01	17:01	1332	Andrew McNeill	100 Tender road	Odour	Tender road landfill odour at 100 very heavy	NE	0.32	MT	Y	N/A	Y	No site visit due to complaint at the weekend. Checked with the maintenance team, odour suppression system was working. The wind did not blow towards the address
6/08/2022	6/08/2022	7:23	7:23	1333	Lloyd Richardson	255 Horseshoe Bush Road	Odour	Fix LFG leaking this morning	N	0	MT	Y	N/A	Y	No site visit due to complaint at the weekend. Checked with the maintenance team, odour suppression system was working. The wind did not blow towards the address
6/08/2022	6/08/2022	9:36	9:36	1334	Nick de Witte	8 Karahiwi Lane	Odour	Odour level 2 at the house this morning now have level 3 at my sheds	NNE	1.27	MT	Y	N/A	Y	Staff investigated and detected a very weak [1/5] and intermittent tipface odour on Richards road due to the wind direction. It was not an offensive or objectionable odour. H2S concentration was 0.07 ppm in the air
8/08/2022	8/08/2022	10:05	10:05	1335	Jennie Hutchinson	184 Richards Road	Odour	I detected strong tipface odour on my arrival home.	NE	1.48	MT	Y	Y	Y	Staff investigated and detected a very weak [1/5] and intermittent tipface odour on Richards road due to the wind direction. It was not an offensive or objectionable odour. H2S concentration was 0.07 ppm in the air
8/08/2022	8/08/2022	13:18	13:18	1336	Nick de Witte	8 Karahiwi Lane	Odour	"Level 2/3 odour has been around my property today. Currently at my house", "Odour is consistent", "It's not like I'm in one place to detect the odour. It was there this morning and then, I go away and come back, it's not there anymore"	NNE	1.17	MT	Y	N	Y	Staff investigated and did not detect any odour at the entrance of the Karahiwi Lane. However, the wind blew towards the address. H2S concentration was 0.00 ppm
11/08/2022	11/08/2022	16:22	16:22	1337	Andrew McNeill	100 Tender road	Odour	Odour at 100 Tender Road Dairy Flat	ENE	2.13	MT	Y	N/A	Y	Staff replied to the complainant asking about the intensity, frequency, and type of the odour but did not get any responses. No site visit due to complaint was received outside of working hours. However, staff who was inside the landfill did not detect any odour at the boundaries in the middle of the complainant's address and the landfill.
15/08/2022	15/08/2022	8:16	8:16	1338	Nick de Witte	8 Karahiwi Lane	Odour	Have odour at my house this morning. Level 3 going on 4. Mainly LFG. Frequency 100%.	SSE	0	MT	Y	N	Y	Staff investigated and did not detect any LFG odour in front of the address gate. Only some very faint intermittent earthy and farming odour on Tender road. Wind did not blow from the landfill towards the address at the time. H2S concentration was from 0.00 to 0.08 ppm hence, it was highly unlikely there was noxious LFG. Also, staff talked with a neighbour close to the address, and they did not notice any LFG odour at the time.