

**Minutes**  
**Redvale Landfill**  
**Community Liaison Committee Meeting**  
**Held at the Redvale Landfill Office - Monday 15/05/2017 at 6.30pm**

Meeting started 6.30pm

Welcome: R Leinwand

Present: R.Leinwand, N Donovan, R Croker, J Hutchinson, L.Johnston, N DeWitt, B Gibbs, K Storie, D.Hardy, D Marshall, A Dyson, S Dryland, M Drury, B Earwaker, S Walker, A.Vosper, R.Bailey.

Apologies: F.McKenzie,

Absent:

Minutes previous meeting: Circulated

*Minutes be accepted as a true and correct record – R Leinwand*  
*Seconded – N Donovan*

Matters arising:

- WM long term plans (See minutes after General Business.
- Proposed applications / filed applications
- What becomes of the landfill after closure

Correspondence In: nil

Correspondence Out: nil

63 Richards Rd: Hibiscus Tanks application for concrete tank making operation.

As indicated at the last meeting in February, WMNZ had been approached by Hibiscus Tanks to support their application for a concrete tank business. WMNZ had considered the application and supported it, subject to an agreement from Hibiscus Tanks that they would enter into a covenant and easement, recognising WMNZ landfill activities.

Rob Bailey presented an Operational update.

- Attached

Gas/Flare site report: Allan Dyson presented an update on the Gas Management system

- Attached

Complaints:

Redvale register attached.

Odour: There was an increased number of complaints received by the landfill particularly during the last 4 to 6 weeks. 18 complaints for odour in April, 6 on 10<sup>th</sup> April. There were a

number of sources of odour other than the landfill within Dairy Flat eg numerous fires some lasting a day others like the one at Bakers on HSB Rd which had been going for over a week, a new compost centre had opened up on the corner of Kahikatea Flats Rd. We had a waste load from Intergroup which was received on 10 April, which caused 6 complaints. The material had been sent in error. Customer and AC notified. WMNZ will monitor the Road Sweepings loads more frequently.

**Action**

The high unseasonal extreme rainfall in March (~240mm) and April (~230mm) has initiated an increase in leachate and landfill gas generation. Typically, in last 5 years the rainfall for these months would be 50mm to 100mm. The intense rainfall events have put pressure on the management of surface water, at the discharge locations, with emergency spillways in use on several occasions. These have been well managed. The WMNZ Team remains focused on reducing the number of complaints, and optimising gas collection.

**WMNZ**

**N. Donovan**

Also received 2 noise complaints from Tender Rd: related to construction noise. Auckland Council visited and took noise measurements. Council to advise.

**A.Vosper**

Some residents using the website to log complaints. Need to verify consent condition with respect to automatic issuance of complaint to WMNZ/AC.

**All Note**

WMNZ recording all complaints received via email to Auckland Council.

**Regulatory Issues:**

- WMNZ sought approval for an extension of time for completion of earthworks ahead of the winter. AC granted an extension of time of 1 month. Some soiling and seeding work had been undertaken, as well as creation of additional temporary storage ponds to given the weather delays and the impact of the rainfall on closing out for winter
- AC compliance visit held in February to go through compliance with the new consent conditions process. No non compliances.
- Next AC Site inspection date to be confirmed.

**N .Donovan**

**N. Donovan**

**Current issues:**

**Refuse Truck Vehicle movements:**

- WMNZ position note had been issued to PRP/AC. AC and PRP would be reviewing the proposal.
- Document can be requested from Nigel Donovan
- Nigel will report its findings to the next meeting in August

**General Business:**

- Feeling Fab Trust pamper days being held at the Redvale offices and grounds. There are 4 planned for the year, and these going well with additional support from WM.

#### Aftercare Initiatives:

Questions were raised about WMNZ long term initiatives and what the company position was with regard to community access on the WMNZ land, and what land was covered by the aftercare requirements.

AV explained that the land area covered related to the Landfill Footprint, as defined in the approved drawings. Once the site is closed for landfilling, there will be a continued presence on site and in the Energy Park, for WMNZ to manage processes and activities during the aftercare period: gas, leachate, restoration and closure work would continue, including power generation and export.

The Aftercare period runs for 30 years following closure. Community access for passive /active recreation such as walks, equestrian trails, bike trails were envisaged, as was envisaged at the time of the original consent. However the detail would be drawn up in the future. The nature of Dairy Flat and the needs of the community is likely to change with the development and expansion of Auckland over the next 30 years. Active recreation may mean other sports facilities. Not considered necessary at this stage to define this. Suffice to say, the original idea of community access to the landfill footprint for passive/active recreation remains in place.

#### Hibiscus Tanks Application for concrete tank fabrication business:

R Gibbs/J Hutchison asked that Head Office should confirm why WMNZ supported the application from Hibiscus Tanks on Richards Rd, an industrial activity in a rural area. It was agreed that Andy would ask head office and report back at next meeting.

Next meeting dates: 14<sup>th</sup> August and 13<sup>th</sup> November.

Meeting closed: 8:00pm



## Redvale Landfill

### Complaints Register

13 Feb - 15 May

Start Date of Incident	End Date of Incident	Time of Incident	Complaint By	Address	Odour - Noise - Litter - Mud -	Complaint detail	Wind Direction	Description and investigation	Authorities response
20-21/2/2017	24/02/2017	8:39	Lloyd Richardson	255 HSB Rd	Odour/Noise	Foul odour and also noise	Easterly & South Easterly	Investigated on 21st - desilting of pond 4 in progress - organic matter in pond base disturbed during process - led to organic type odour on HSB Rd adjacent to pond 4. Odour localised. Also on Tip Pad recent area of waste placed with gas tranches being installed at 100-105MRL. The waste was very wet following the recent period. Detected odour, intermittent at Tender Rd. Noise - complying with consent. There are other activities in the area	
28/02/2017	28/02/2017	15:45	Ron Clarke	57 Tender Rd	Noise	Noise from a reversing 'quacker' not normally heard. Very noisy	NNE	New roading contractors started work on Tuesday laying tarmac on some internal roads. They had quite loud "quackers" due to their nature of work on highways/roads. Explained via text to Ron that they would be finished on Thurs. Ron happy with that. Said he was surprised how much louder they are	
28/02/2017	2/03/2017	11:15	Lloyd Richardson	255 HSB Rd	Odour	Landfill Odour	NNE	No landfill odour present around Tender Rd or 255 HSB Rd at time of incident. SMS received while myself & RB were reviewing positioning for an odour control fence on the west boundary. Pond desilting in place at pond 4. Possible organic odour from the pond desilting work. The will continue as an operation until 10/3/17	
1/03/2017	1/03/2017	4-6am	Kahikatea Flats Rd	Kahikatea Flats Rd	Odour	Refuse odour over past 3 mornings		As no call to landfill was given over the 3 days and email notification came in the afternoon, no investigation took place at the time of complaint. But a drive by in the afternoon found no odour. Also, following morning at 7:40am found no odour	
1/03/2017	1/03/2017	9:40	Paul @ AC	HSB Rd	Odour	Offensive odour, sweet/rotting smell. Noticed at Tender Rd & HSB Rd past few days		As no call to landfill was given at time of complaint no investigation took place at the time of complaint. But a drive through took place in the PM after email. Slight odour was picked up in HSB Rd - probably due to pond 4 "going off". Desilting of that pond was taking place so possibly odour from sediment	
4/04/2017	4/04/2017	11:55	Jenny Hutchinson	184 Richards Rd	Odour	Landfill smell on/off during morning. Comes and goes on wind	NE	Called Jenny at 12:25 after coming out of meeting. She said it was a composty landfill smell which came and went all morning. I said I would come around now but she said not to bother as odour had gone. I drove along Richards Rd anyway, damp grass, composty smell coming from around the area after heavy rain. All tee bars & cannon going	
10/04/2017	10/04/2017	10:00	Karine Dellow	233 HSB Rd	Odour	Rubbish smell	E /N/E	Called this morning - had strong odour around the house. Smelt it first when went outside at around 8:30am. Smell had almost gone when I got there, which she agreed. It was a lot stronger in the morning. See complaint #824 also	

10/04/2017	10/04/2017	12:20	Rob Leinwand	73 Tender Rd	Noise	Very loud noise. Louder than ever - approx 73DB			Called Rob & advised him that their was nothing special re our activities, the wind direction/strength may be playing its part. We are stockpiling material within the area of P22. We are considering what additional measures we can make with a bund, but given the heights its doubtful it would be successful	Phoned Tim Crumins. He may send a noise specialist
10/04/2017	10/04/2017	8:40	Russell Brickhill	240 HSB Rd	Odour	Very pungent rotten egg smell. Not the usual smell we sometimes get	E / NE		Went to property and could smell 'strange chemical' smell which was 'hanging' around in his property and in HSB Rd. Investigated loads and possible cause could have been 'road' as landfill staff resported it was odourous. All tee bars and canons going. Increased odour nutilizer throughout the day	
10/04/2017	10/04/2017	8:45	Hollie Joss	348 HB Rd	Odour	Very bad smell around house and on HSB Rd	E / NE		Went to property (after visiting 240 HSB Rd) and slight odour still apparent. Complain thought it was like a gas smell at first with chemical smell mixed in. She said it wasn't like a compost landfill smell. Possible cause Intergroup 'road material' (see complaint #824). All odour control working	
10/04/2017	10/04/2017	9:15	Auckland Council	HSB Rd just past Tender Rd	Odour	Foul landfill smell	E / NE		Didn't investigate as no number given but odour was present that morning	
10/04/2017	10/04/2017	12:26	Lloyd Richardson	255 HSB Rd	Odour				Identified some on site point sources of odour. 1. A load from Intergroup - road sweepings arrived early morning. Highly odourous. 2. Some gas odour arising as we move the achive phase, disconnecting wells. 3. Silt material, starting to dry out. Sulphur odour. We suspect the main source of the problem was 1 and 3	Further works being undertaken to complete the desilting earlier to eliminate this source. Holding meeting with Intergroup
10/04/2017	12/04/2017	1-4pm	Nick Dewitt	99 Tender Rd	Odour	Odour at property all afternoon			Couldn't investigate at the time as received email late. But this coincided with other complaints on Monday possibly due to odourous load on Monday morning. Did call Nick and left a message on voice mail to contact me if anymore odour. Didn't hear back from him. Left message on 12th	
12/04/2017	12/04/2017	11:50	Jenny Hutchinson	184 Richards Rd	Odour	Landfill odour/sweet rubbish smell	NE		Was in a meeting so Martyn (supervisor) drove length of Richards Rd. He didn't pick up any odour about 12:30pm, also at 1:30pm. I went around at 2pm and no odour. Complainant emailed later in afternoon to say odour present all day to some degree. All tee bars and canons working	
19/04/2017	20/04/2017	10:19	Jenny Reidman	85 HSB Rd	Odour	Rubbish odour. On and off all day dependant on wind direction	S		Drove up HSB Rd. Could detect a landfill odour coming and going. Wind was swinging around a bit. All odour sprayers are running. May be coming from roadway being stripped	

21/04/2017	21/04/2017	9:30	Rob Leinwand	Tender Rd	Noise	Noise of deisel engines, tailgates banging and generally more noisy than usual	Still	Recently we have installed the services of additional rumble strips on a newly constructed paved road leading up to the managed fill area. In addition to this there has been an increase in the number of truck and trailers arriving at RVL recently due to commencement of semi large contaminated soil projects. WM will review the rumble strips to see if there is anything else that can be done to reduce noise at these locations. The tip pad will be moved to a lower elevation from tomorrow (24/4)
21/04/2017	21/04/2017	8:40	Greg	176 HSB Rd	Odour	Bad odour at house	S/W	Went to property at 8:50am and drove up and down HSB Rd. No odour. Spoke to Greg's wife (he had left) she confirmed no odour present. All tee bars going and 1 cannon
21/04/2017	21/04/2017	13:14	Nick Dewitt	99 Tender Rd	Odour	Gas odour at house	E S/E	Drove up to Tender Rd at about 2:45pm and could not detect any odour. All tee bars going and one cannon
21/04/2017	21/04/2017	13:49	Lloyd Richardson	255 HSB Rd	Odour	Landfill odour at house	E S/E	Drove to property but didn't go in. Could not smell any odour outside of along HSB Rd or Tender Rd. All tee bars going and 2 cannons. Opening up new area ready to go into it
22/04/2017	22/04/2017	7:00	Glenn Munn	118 KF Rd	Odour	Landfill odour for the past 1/2 hr		Not on site but supervisor did a quick drive past. No odour. Odour canon being moved at the time of complaint as moving into different filling area. One was going, other being moved. Very still day - rubbish was quite odourous. 2nd canon going shortly after complaint. Didn't hear anything after 7:30 complaint
24/04/2017	24/04/2017	7:00	Glenn Munn	118 KF Rd	Odour	Landfill smell again this morning	Still	No odour on site other than close to tip face. Operations now filling down low in old road area. Rubbish smelly after weekend. Odour canon going, tee bars being moved. 1 set going. 1 set off
26/04/2017	26/04/2017	9:15	Jenny Hutchinson	184 Richards Rd	Odour	Quite strong and unpleasant. A bit stronger on the stirring breeze	N/E. Still on site	Didn't go to property as odour on/off with slight wind but no odour present on site (not further than tip face as no wind) or on Richards Rd. Tee bars going but not going far as no wind, but canon covering the tip pad. 2nd canon being worked on at the time and soon to be operational
26/04/2017	26/04/2017	3:30	Jenny Hutchinson	184 Richards Rd	Odour	Experiencing at present obnoxious and unacceptable odour	SW/W	Went straight to property as second complaint from Jenny today. When I arrived I could smell a strong smell of smoke and underlying 'tank' smell. Jenny did say she should of checked wind direction first as now she could see that direction was coming from her neighbour Nick DeWitt. Fire was visible. She commented that it smells like hes burning dead animals. Stayed for 1/2 hour, wind direction changed slightly from landfill but all cosed up as after 4:30pm. Smell came and went

27/04/2017	27/04/2017	8:30	Julia	291 HSB Rd	Odour	Bad rotten diesel mix smell at house	S/W	Went to property around 9:30. No odour on the way along HSB or when at property. This was confirmed by young lad at the house. Phoned Julia and she said she smelt it on leaving the house but she didn't stay so not sure how long it was present for. Stayed at property for about 10 mins sniffing in the different areas but no odour. Both canons going, tee bars also	
28/04/2017	28/04/2017	8:15	Trish	224 Richards road	Odour	Strange gas smell at property	N /E	Went to the property at 8:45. Couldn't smell landfill gas but a strange chemical smell. Very faint. Very still, no wind. Trish said she couldn't really smell it now, but her sister who was there said she could. All odour management systems going	
28/04/2017	28/04/2017	8:30ish	Shelly Strange	264 Richards Rd	Odour	Bad toxic burning rubber smell at her house	N/ NE	Went to property - got there just after 9am. No odour apparent, owner agreed but said it was a toxic burning smell. Breeze had picked up so possibly gone. All odour systems working	
28/04/2017	28/04/2017	8:45	Nick Dewitt	99 Tender Road	Odour	Rotten rubbish odour	NE	Didn't go to property as in the past Nick has refused entry and said not to bother coming round. But did drive Tender Road and no odour apparent. Wind not even going in that direction	
1/05/2017	1/05/2017	8:15	Glenn Munn	118 KF Rd	Odour	Absolutely stinks	SE	Supervisor went to investigate. Couldn't smell any odour from landfill. Complainant said she could but wouldn't come out to investigate with supervisor. Supervisor did report that smoke smell was apparent on KF Rd a little way down. This was also the case at 10:15am when I drove the area. Text sent at 10:55 also	
8/05/2017	8/05/2017	7:10	Corrine Dellow	233 HSB Rd	Odour	Gas smell	Still	Went straight to property despite Corrine saying not to worry. Couldn't smell anything but smoke coming from large fire from Mulch/Chips place next door (Bakers). Corrine said she smelt it this morning but fire going all morning too. She confirmed she couldn't smell it when I was there.	
8/05/2017	8/05/2017	8:00	Glenn Munn	118 KF Rd	Odour	Bad smell again this morning. Gas type odour		Went to investigate after seeing 123 KF Rd complaint. Again got there and no odour. This was confirmed by Glenys. She said she has spoken to her neighbours to call in with any strange smell they can smell as it's the landfill	
8/05/2017	8/05/2017	8:15	Katie	123 KF Rd	Odour	Bad smell this morning and last night	Very still	Went to property as soon as I got text. Arrived there at 8:40. Katie not there but came back at 8:50. Said she could smell a gas type smell this morning but confirmed very faint after I was there. I couldn't smell anything on her deck but could smell her goats further down the drive. She said it was very smelly Saturday night but vry still. She posted comment on Facebook and after residents in DF said it was methane	
10/05/2017	10/05/2017	8:08	Julie Walker	293 HSB Rd	Odour	Terrible gas smell this morning and over the weekend	Still	Went to property at 8:30am could not smell any gas while I was there. Julie said there has been a gas smell off and on over the last few weeks. Seems to be worse on cold still mornings and nights	



14/05/2017	14/05/2017	8:00	Glenys Munn	118 KF Rd	Odour	Left message saying it stinks at her place	S	Went to site. Could not smell any odour when I was there. It was Mothers Day so I did not go into the property. From driveway the only smell I could detect is from farm animals on the other side of the road	
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## Operations Report for Community Liaison Committee Meeting 15<sup>th</sup> May 2017

- New haul road on the outside edge of PH 19 is complete after trialling rubble and metal rather than lime rock. First indications are good
- New tarmac seal over existing perimeter landfill road of approximately 100 metres with rumble strips to shake mud from tyres
- Cattle grid installed in the out road just before the gates, another system to decrease mud leaving the site
- Concreting surface water drains being installed: 5 week lead time for concrete.
- Filling has finished at the top at RL 106, now through the winter we are filling down low in the old haul road
- Closing out the upper slopes for winter: placing additional intermediate cover soils on the upper slopes.
- Desilting of the sediment ponds finished earlier than usual due to the inconsistent wet weather
- Managed Fill continues to receive material.
- Placed a 3m high bund on the western edge and will be installing odour fence there.





# REDVALE LANDFILL

## Gas Extraction

Waste Management

Knock Out Pots



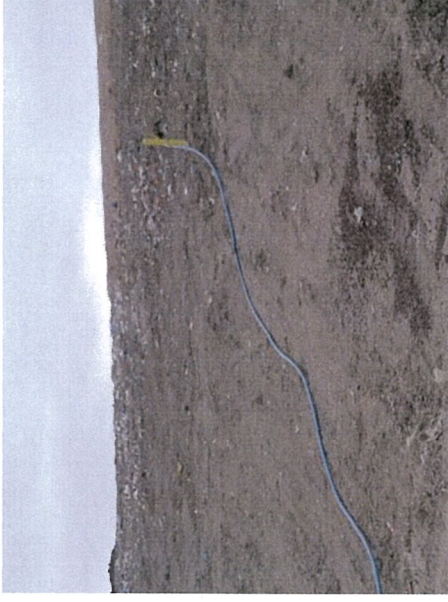
Main Gas Header



Gas Collection Pipework



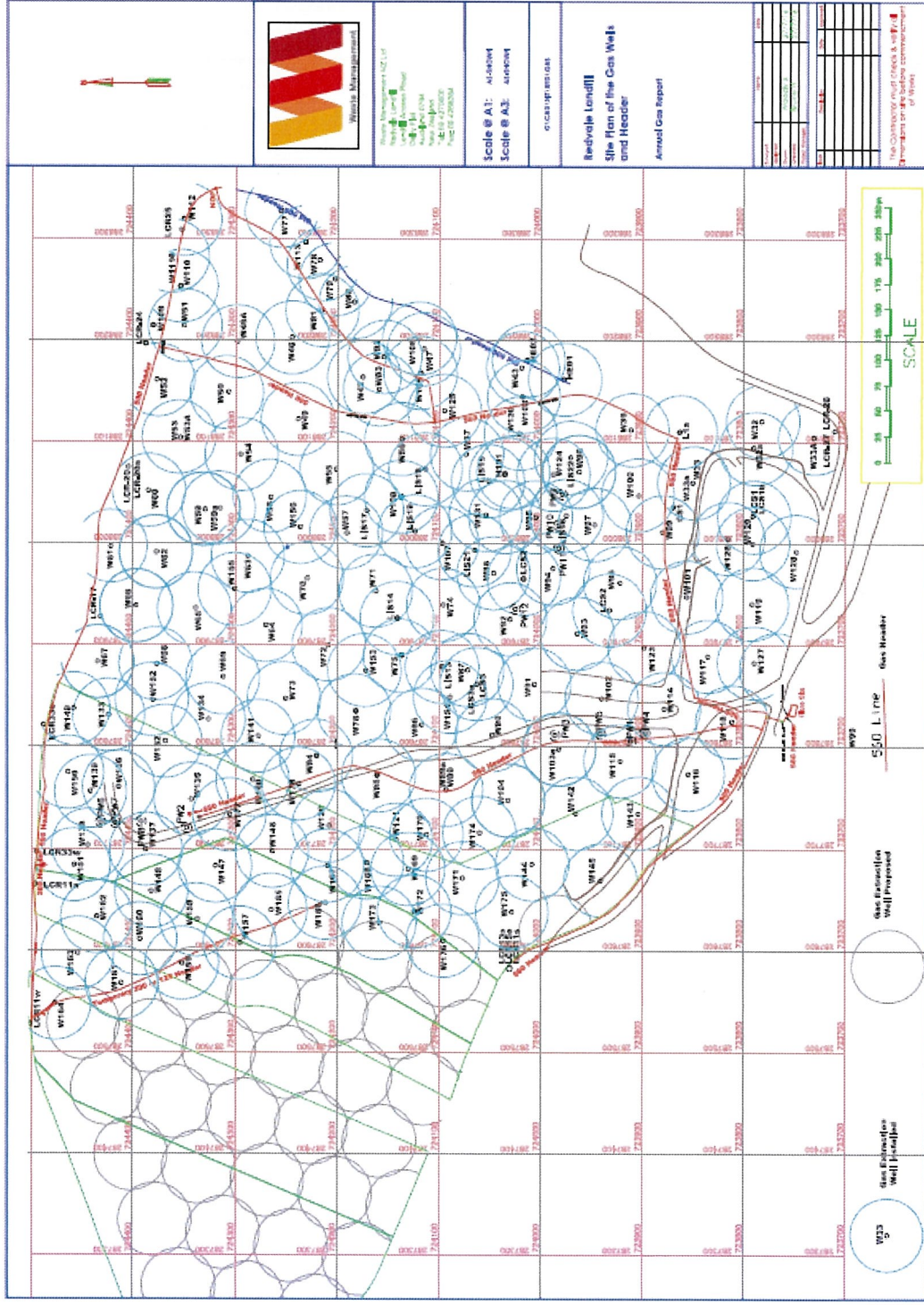
Temporary gas connection



# Installation of the 560mm Ring Main at Redvale Landfill



Over the last year we have installed an additional 39 landfill gas extraction wells and 1000m of 560mm gas header





Gas extraction wells



Gas Well Laterals



Pin Wells



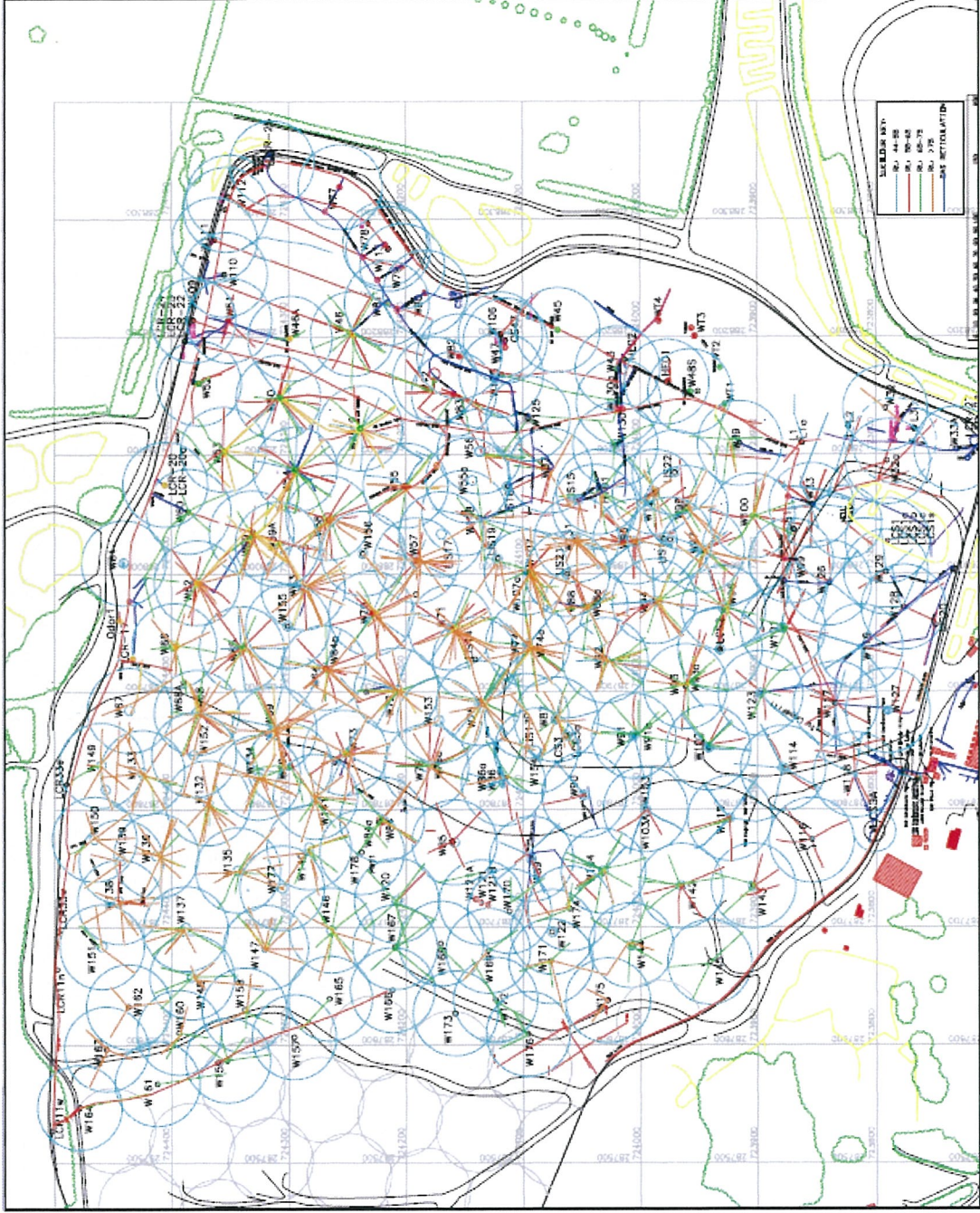
Leachate Pipework



# Installing a lateral on a gas extraction well



Gas volumes have increased dramatically over the last few months with the increased rainfall kick-starting gas production



# Rebuild carried out on main Gas blower #1

One of two 90kw blowers each capable of delivering 5000m<sup>3</sup>h



Allan Dyson

Gas and Generation Supervisor

Redvale Energy Park

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