

**West's Road RDF & Waste Management
Community Reference Group
AOC
30th Meeting
Accepted Notes
28 June 2018
Conference Rooms C & D**

Present:

- Cr Peter Maynard - Councillor (Iramoo Ward), Wyndham City Council
- Caroline Lavoie - Community representative
- Lindsay Swinden - Community representative
- Karen Hucker - Community representative
- Jacqui Scott - Community representative
- Lisa Field - Community representative
- Michelle Lee - Planner, Metropolitan Waste and Resource Recovery Group (MWRRG)
- Stephen Thorpe - Director City Operations, Wyndham City Council
- Simon Clay - Manager Refuse Disposal Facility, Wyndham City Council
- Bruce Turner - Independent Chair

Guest:

- Ritika Jindal - Waste Collection Team Leader, Wyndham City Council

Apologies/ absent:

- Cr Walter Villagonzalo - Councillor (Chaffey Ward), Wyndham City Council
- Cr Tony Hooper - Councillor (Harrison Ward), Wyndham City Council
- Harry Van Moorst - Environment group representative (WREC)
- Julian Menegazzo - Adjoining landowner representative
- Kimi Pellosis - Community representative
- Liza McColl - Business Analyst Refuse Disposal Facility, Wyndham City Council

The meeting commenced at 4.30 pm. No conflicts of interest were declared

1. Welcome and Introductions

Bruce welcomed members to the meeting and introduced Ritika.

2. Notes and actions from the previous meeting

The notes from the 29th meeting, circulated prior to the meeting, were accepted and will be published on the Council's website.

An 'action tracker' document with the status of outstanding actions from previous meetings was handed out. Bruce ran through outstanding actions:

ONGOING ACTIONS – FROM MEETINGS PRIOR TO 26 APRIL 2018		
Action M24-3.2	<i>Council to provide the CRG with an update on the status and timeline for the redevelopment of the Transfer Station.</i>	Agreed to remove this from tracker since action is around 12 months away (Transfer Station redevelopment will be put on agenda when more to discuss)

Action M24-5.2 And M26-9.1	<i>Council to invite Lend Lease to a future meeting of the CRG to discuss how best to represent the interests of future residents of the Harpley Estate in the CRG process (and wider community engagement).</i>	Lend Lease to attend subsequent meeting. Pending.
Action M24-5.3	<i>Council to pursue opportunities for screen planting along the Princes Freeway (in the road reserve in collaboration with VicRoads and/or on private land) to improve the view from the freeway.</i>	Pending. Site investigations commenced. Underground services (high pressure oil pipeline) present may influence/constrain type of trees that can be used. Timing to be advised
Action M27-7.1	<i>Simon to provide information on gas composition and air quality.</i>	Simon requested this information from LMS Energy, the operator of the Landfill Gas Management System. See Item 8 ops update
Action M27-7.2	<i>Simon to circulate the auditor's report on the phytocap when this is available, before it is submitted to EPA for approval.</i>	Pending – Simon has sought quotes for the audit.
Action M27-8.1	<i>Simon to discuss with Council's waste strategy team the potential to initiate a dialogue around the opportunity for waste management services for businesses in Wyndham.</i>	Pending. Harry indicated WREC would be able to assist. It was agreed the best time to initiate would be towards the end of the current contract for kerbside collection
Action M28-3.1	<i>Liza to circulate a copy of the Wyndham Vale Buffer Study and odour modelling information to all CRG members.</i>	Pending. Odour information to be updated.
Action M28.6-3	<i>Council to initiate further discussion with City West Water on the idea of recycled water being connection from Browns Road to the RDF.</i>	City West Water not interested. Action closed
NEW ACTIONS FROM LAST MEETING – 26 APRIL 2018		
Action M29-3.1	<i>Information on the recycling situation to be circulated to CRG members.</i>	Covered by Item 4b on the agenda
Action M29-3.2	<i>Topic of the future of the tip shop to remain open for further discussion.</i>	Keep on the agenda
Action M29-3.3	<i>Simon to circulate report on waste baling technology after it has been fully reviewed.</i>	Pending. Still under review
Action M29-8.1	<i>Council to document CRG's role and process for odour complaints including EPA's expectations regarding reporting.</i>	Pending.

3. Members' report

Lisa enquired about the situation with staffing at the transfer station. She suggested that a 'recycling champion' would be an asset in changing mindsets and culture at the transfer station. Simon responded that staffing had been stable for 18 months apart from changes to the operations supervisor recently – a very experienced person had been in the role since Christmas and Simon expected improvements in the coming six months. He acknowledged that it required "skill and will" to support recycling. He also noted that a staff member had been allocated the task of timber separation recently.

Caroline raised her concerns with her workplace which she said was very wasteful. She asked if there was any Council education available for businesses.

Jacqui reported having talked to the owner of a local market about the problems of wrapping stock in glad wrap, now that single use plastic bags were banned.

Caroline said she had been lobbying her local childcare provider about their waste services. She suggested they could do a trial of providing recycling as an education for the children. Simon responded that there was a potential role for Council and that Ritika would be looking at opportunities to integrate childcare, kinders and schools into Council's next waste collection contract. He said the price signal needed to be right to support this.

Ritika reported that Council was refining the waste management requirements for private developments in the planning phase, to require a waste management plan.

Lisa reported she had been working with some other locals to start up a new group called 'Love Our Street (LOS) 3030'. It is part of Beach Patrol, and all about picking up rubbish in streets, shopping precincts and parks, to prevent environmental problems associated with litter. LOS 3030 meet on the 4th Sunday of each month, 10.30am - 12noon, and the venue may change. Currently focussed on Werribee city centre, near to Werribee River. [contacts: email 3030@loveourstreet.com.au Facebook <https://www.facebook.com/LoveOurStreet3030/> Website <https://www.beachpatrol.com.au/LOS/LOS-3030> Subscribe on <http://eepurl.com/drUll1>]

4. Strategic waste management and resource recovery

a. Collaborative Residual Procurement Project Update

Michelle gave a brief update, saying that MWRRG were currently getting councils on board with the Project.

b. Recycling and Kerbside Collections update

Ritika spoke about the current situation with China no longer receiving recyclables with more than 0.5% contamination. She said current levels from Wyndham were 9.8%. Under the proposed new arrangements with SKM Council would need to pay for the disposal of non-recyclables in the commingled recycling bin. She reported that new 120litre bins were available from now to new properties and on replacement of damaged bins. The current waste contract ends in April 2020. Some general ideas relating to the specification for the new service were discussed including the use of Radio frequency Identification Devices and introducing a pay per lift service. These ideas will be developed further over the coming months.

c. Council study tour of European waste facilities

Simon provided a presentation on the tour which he, Peter and Stephen made to new facilities in the UK (to meet Councillors, Council officers and industry to learn more about social, political, commercial and legislative drivers), France and Spain (including baling technology), Munich (a Trade Fair and anaerobic and thermal digestion technologies), Switzerland (other technologies, including incineration).

Stephen shared the report on the tour that was about to go to Council, including recommendations around the opportunity for Wyndham to lead by example with the RDF site having the potential to

become the location for a range of waste management activities from improved landfilling and materials recovery to waste to energy technology.

In the discussion that followed the presentation, it was clarified that most of the facilities visited on the tour are owned by councils.

5. Strategic planning context

a. RDF-Wyndham Vale Buffer Study update

The study and odour modelling information were still due to be circulated to the CRG as per M28-3.1. The odour information needs to be updated prior to this occurring.

b. Werribee Junction Precinct Structure Plan

There was nothing new to report.

6. EPA Works Approval Application

Simon reported that the VCAT hearing in late May had taken a full five days. VCAT's decision was due in July.

7. RDF rehabilitation

This is a standing item. There was nothing to report.

8. RDF Update

a. 'Hot Spot' update

Simon recapped the history of the hot spot and reported that the latest probe results of 60-65°C indicated that the fire was controlled. Any heat was likely to be residual retained in the insulated interior of the cell. It was agreed that this topic could be removed from future agendas, unless something reportable comes up in the future.

b. Performance dashboard

Simon reported a complaint of night time noise on one occasion which had been due to completion of a 'lift' (waste layer) and recommencing the next one before the sound barrier was in place. Copy of handout attached.

There were complaints regarding odour which related to leachate management (see next item). Council is investigating ways to manage leachate, including decommissioning the eastern leachate pond.

c. EPA Compliance Summary (landfill gas, daily odour, leachate)

Simon reported that the level of leachate was still non-compliant. Leachate was being pumped constantly – this had been changed to daytime after there were odour problems in the early morning. Copy of handout attached.

d. Site and operational improvements

Refer to attached handout.

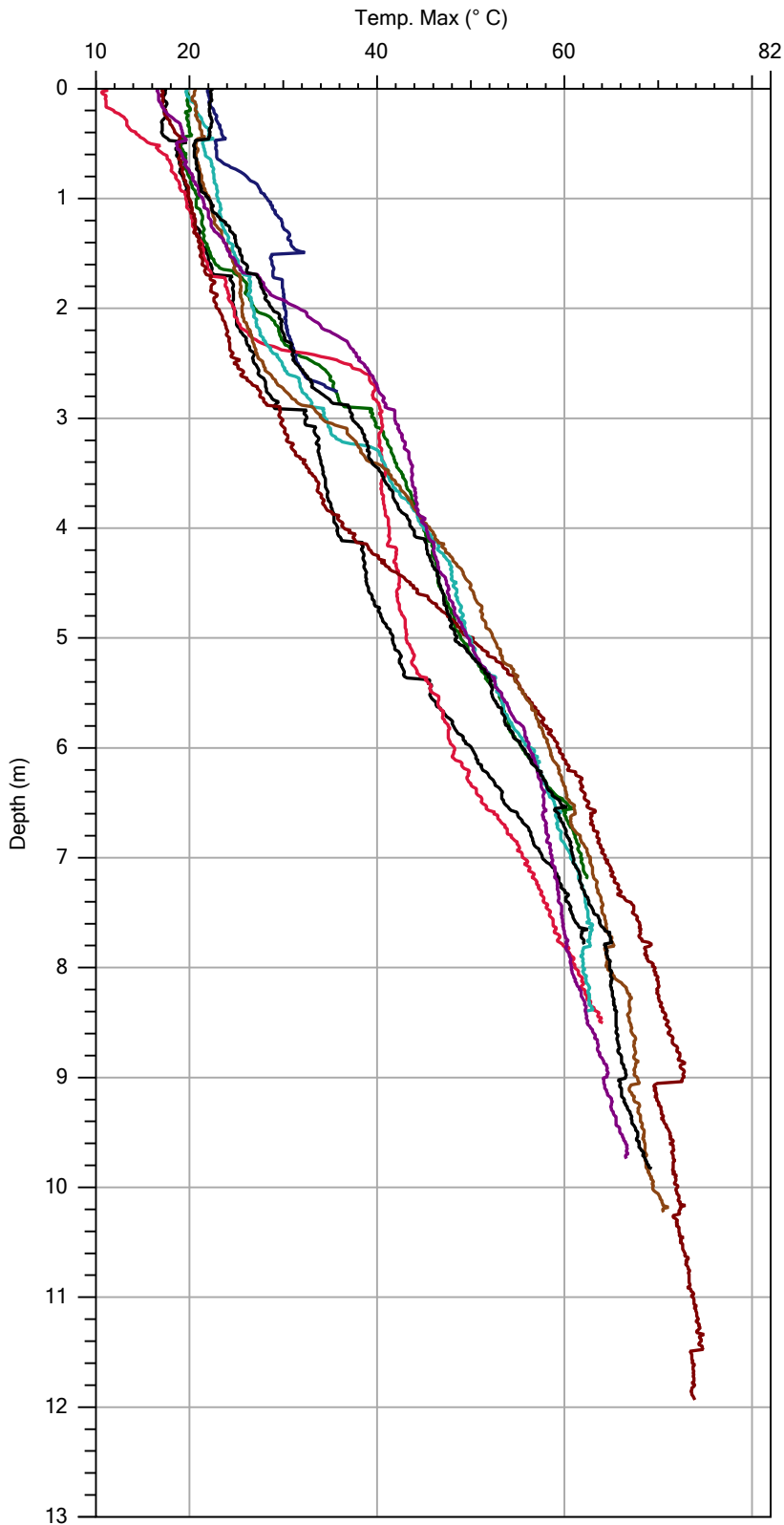
9. Other business

a. Membership renewal

Simon reported that the call for applications to join the CRG (to renew the two resident and one environment group places) had received five good applications. He said the possibility of expanding the membership was being considered.

Next meeting

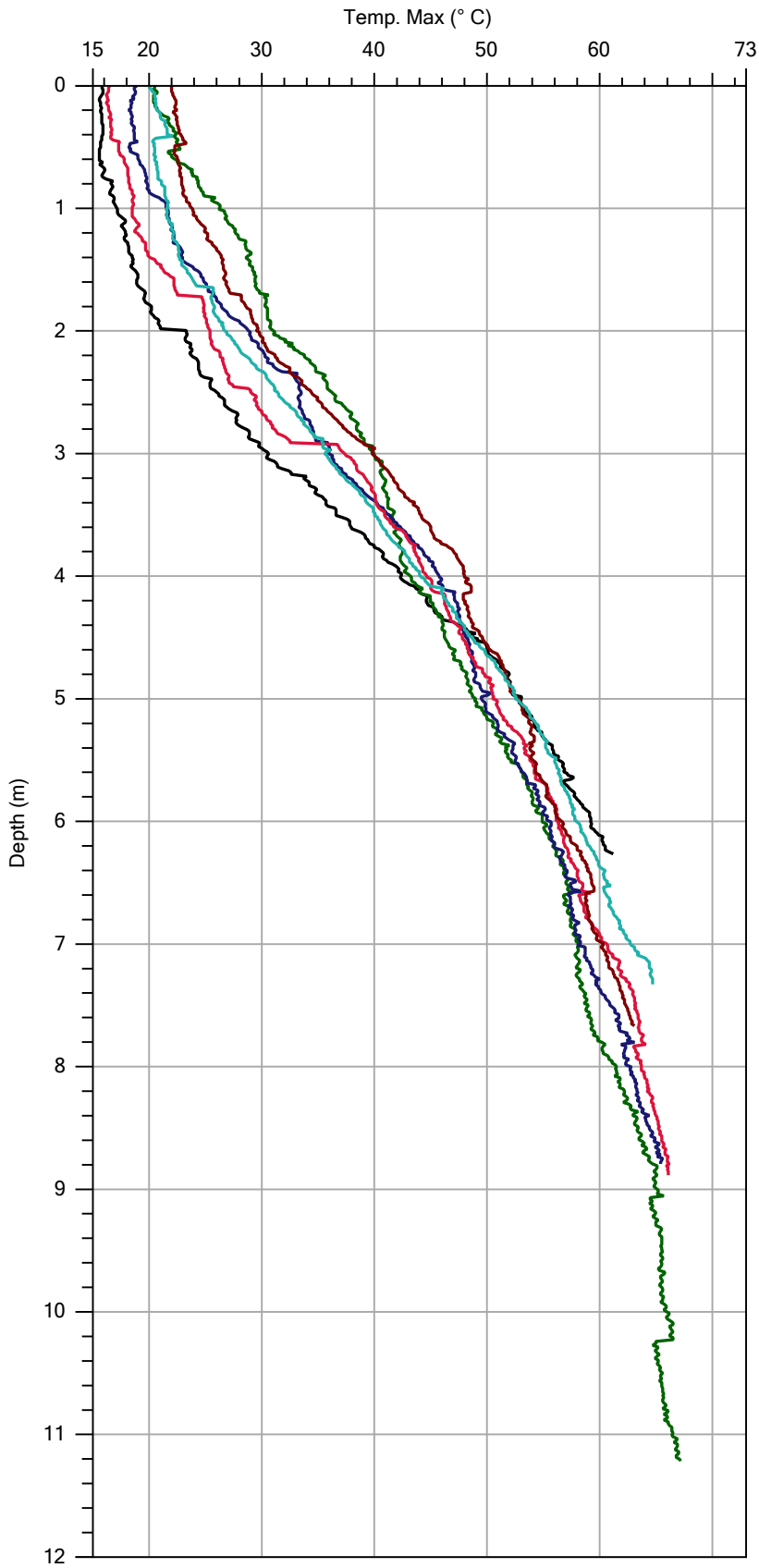
Thursday 30 August 2018 at 4:30pm-7:30pm



Numac Drilling Services PTY Ltd.
www.numac.co.au
 Ph. - 1300 131 019
 Em. - info@numac.com.au

Company:	NUMAC	Operator:	Barry Molloy
Project ID:	Wyndham RDF	Client:	Wyndham City Council

—	TP-301.MIP	6/12/2018
—	TP-302.MIP	6/12/2018
—	TP-303.MIP	6/12/2018
—	TP-304.MIP	6/13/2018
—	TP-305.MIP	6/13/2018
—	TP-306.MIP	6/13/2018
—	TP-307.MIP	6/13/2018
—	TP-308.MIP	6/13/2018
—	TP-309.MIP	6/13/2018



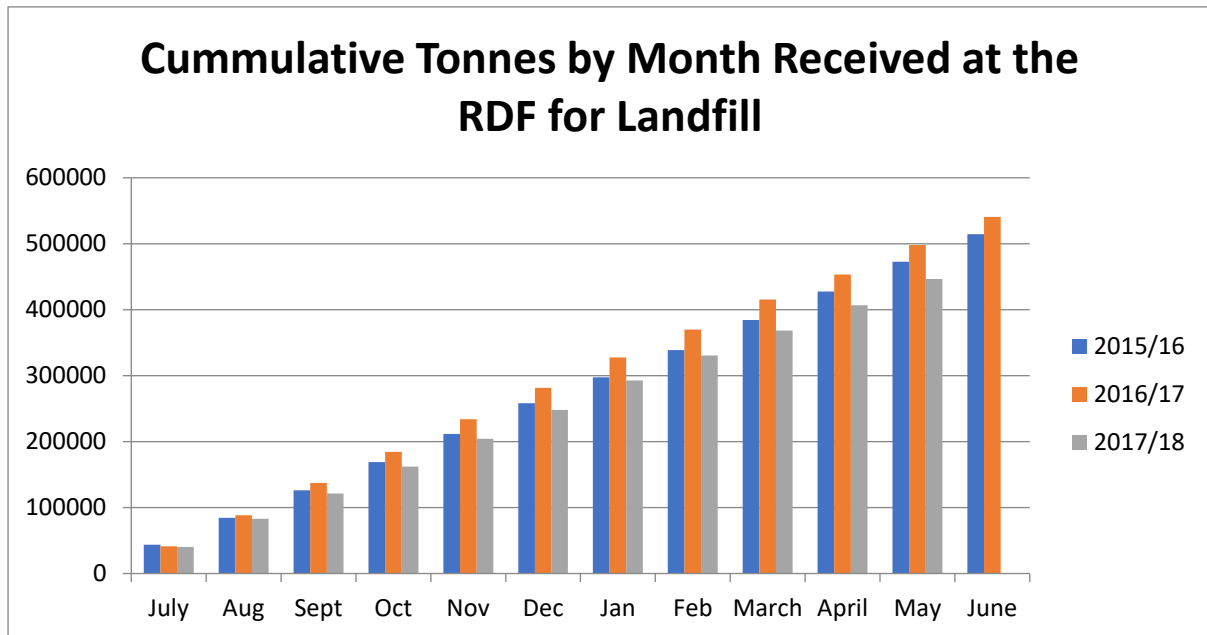
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Company:	Numac	Operator:	Barry Molloy
Project ID:	Wyndham RDF	Client:	Wyndham City Council

TP-310.MIP	6/14/2018
TP-311.MIP	6/14/2018
TP-312.MIP	6/14/2018
TP-313.MIP	6/14/2018
TP-314.MIP	6/14/2018
TP-315.MIP	6/14/2018

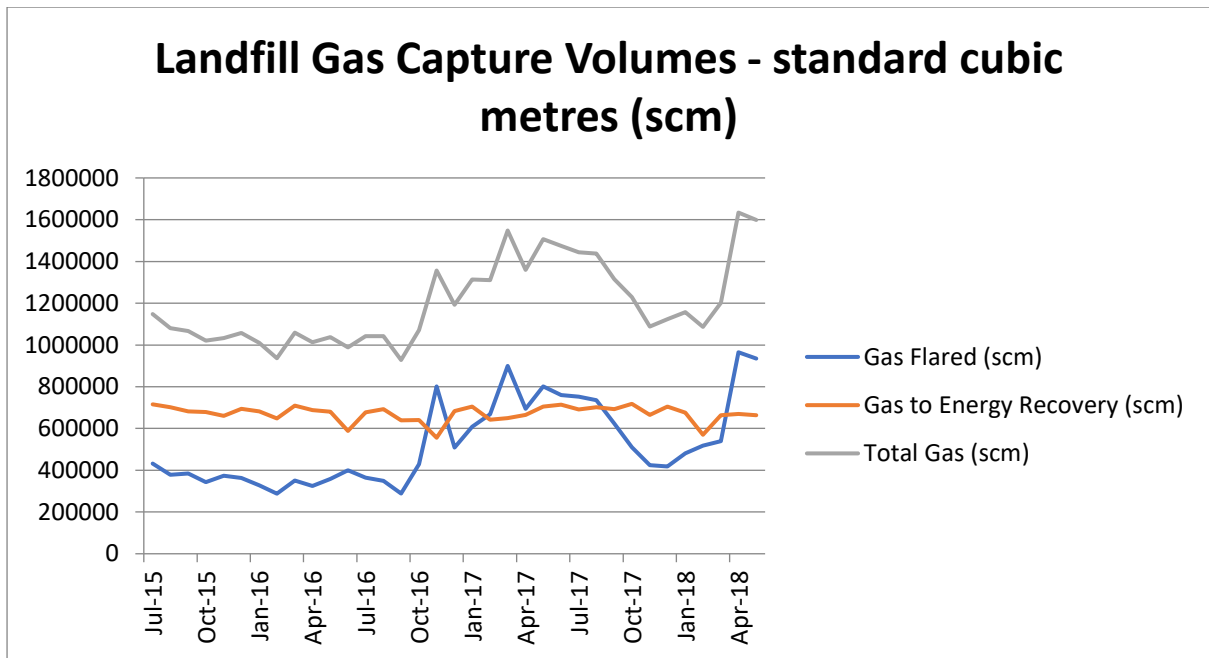
CRG RDF Operational Update 28 June 2018

The tonnage received Year to Date to end of May is shown in the figure below. The figure also includes a comparison to the previous two financial years. The tonnage received into the RDF in the 2017/18 financial year is less than the 2 previous years and show the impact from the uncertainty regarding the works approval and the VCAT appeal. Some customers have commenced diverting waste to other landfills. In almost all cases the waste being diverted is going to the MRL landfill operated by Cleanaway.



The graph below shows the monthly figures for gas extracted from the landfill and sent to the LMS energy facility. The graph clearly shows the increase in gas extraction associated with the installation of gas wells on Cell 4B in October 2016 and the installation of additional wells on Cell 4B and in Cell 4C in Feb/March this year. This is the first time that gas wells have been installed in an operational cell at the RDF.

LMS is currently in the final stages of installing and commissioning a 3rd gas engine at the facility. This will increase the amount of gas used for electricity generation and reduce the amount that is flared. LMS plan to install a 4th engine on site before the end of 2018.



LMS Energy Facility Emissions

The LMS EPA licence requires regular exhaust stack emission testing of the landfill gas engines. The LMS landfill gas flare has been designed to achieve 98% destruction efficiency and stack testing at other LMS sites has confirmed this performance criteria. Recent engine exhaust stack testing indicates the following level of emissions.

Parameter	Test Result	Criteria
Oxides of nitrogen	198 g/min	n/a
Carbon monoxide	120 g/min	167 g/min

Test results are forwarded to VIC EPA as part of our annual reporting requirements.

Compliance

The following non-compliance with the licence were reported to EPA in the period since the last meeting

- Leachate levels in excess of 300 mm above cell liner in April and May
- Offsite odour on 20/4 and 22/4 due to pumping of leachate

EPA conducted a compliance inspection 13 June 2018. Items covered included:

- Inspection of the tip face to review size of the face and application of daily cover

- Inspection of intermediate capping/cover batters on Cell 4C
- Review of leachate storage capacity
- Review of rehabilitation and scheduling of:
 - Capping of Cells 1B-3
 - Removal of waste from overfilled batters on Cells 4A and 4B
 - Capping of Cells 4A-B

Complaints

The following complaints have been received since the last CRG meeting

- 15 June – night time noise from tip face. Noise was a result of moving to a new lift and the sound wall still being established
- 3 June and 4 June – odour – cause could not be established
- 1 June – odour - cause could not be established
- 16 May – odour - cause could not be established

WCC Response to non-compliance and Complaints

- Continuously pumping leachate from the sumps of Cells 1B-3 to the new leachate pond – the leachate pumping rate is low due to the slow recharge of leachate into the leachate sumps (which is likely to be a function of the older cell design and the compaction of the waste)
- Continuous pumping of leachate from Cells 4A and B to the eastern leachate pond during the period 8am-4pm (pumping is on restricted hours to reduce odour during the still early morning hours often experienced at the RDF)
- Transfer of leachate from the eastern pond to the new pond as required to maintain capacity in the eastern pond.
- The current constraint on meeting EPA licence requirements is the rate of pumping from the sumps and not the on-site storage capacity
- Reduction in leachate generation will be achieved through capping of Cells 1B-3 and Cells 4A and B
- In the medium term, as the odour complaints appear to relate to leachate, the potential to pump leachate from sumps into holding tanks and then to the new leachate pond is being investigated. This would allow the eastern leachate pond to be decommissioned for leachate storage and used for stormwater retention.
- Completing the “sound” wall on the new lift as quickly as possible to reduce night time noise impacts

Operational Improvements and updates

- Litter fence – the design for the new boundary litter fencing is being undertaken by GHD
- Water tanks – the two new water tanks (250,000 L each) have been installed and commissioned
- Approximately 100,000 cubic metres of soil has been stockpiled for construction of the phytocap on cells 1B-3 (approx. 20% of the total soil requirement)

- Design for an upgrade to the entrance road has commenced

Hot Spot Update

Further monitoring of temperatures in the region of the hot spot on Cell 4A was undertaken in June 2018. Temperature depth profiles were obtained at 15 different locations as shown in the figure below. The temperature profiles of each location was similar and showed a general increase in temperature with depth and a maximum temperature around 64-74°C (refer attachments).

This compares to the previous rounds of temperature monitoring which indicated the following maximum temperatures in parts of Cell 4A:

- Round 1 monitoring in August 2016 which showed temperatures in the range 100-200°C at several locations with spikes up to 250°C (TP04, TP05)
- Round 2 monitoring March 2017 – TP 101 135°C, temperature at other locations was in the range 60-80°C
- Round 3 monitoring October 2017 – showed one location with a small spike in temperature – general temperatures in the range 68-78°C

Figure 1: Initial Temperature profile in Cell 4A – August 2016

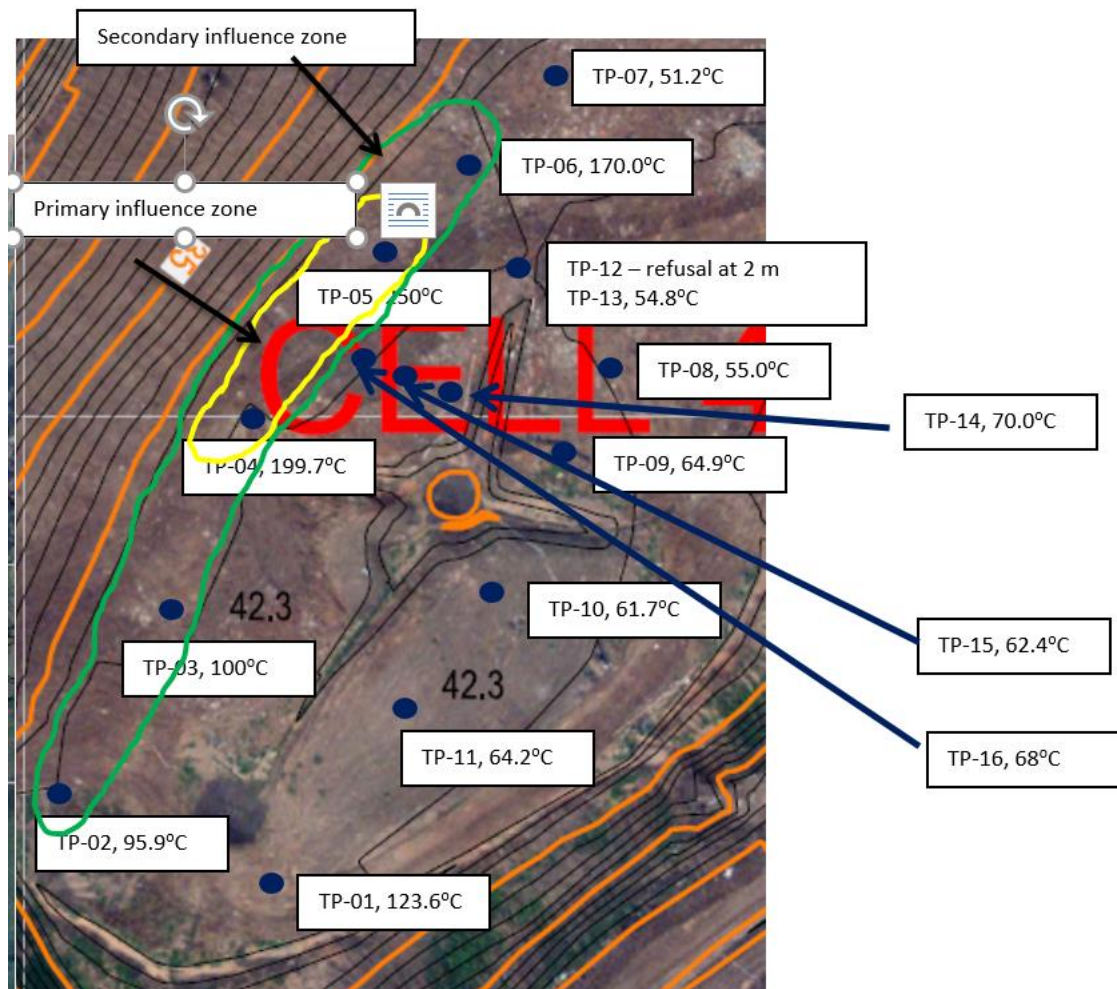


Figure 2: Temperature probe locations June 2018

