

**Wollert Stakeholder Reference Group
MEETING NOTES**

Meeting No.:	04		
Date:	30 August 2023	Time:	2.00pm
Location:	Kirrip Community Centre, 135 De Rossi Boulevard, Wollert		
Meeting Notes Confirmed for upload to website:	Approved by 50% of meeting attendees plus one, and uploaded to website.		
Chairman:	Griff Davis (GD)		
Present:	<p><u>Community Members:</u> Roy Carthy (RC), Wollert resident Bud Wijesinghe (BW), Wollert resident</p> <p><u>Community Organisations:</u> Viktor Faulkner (VF), Whittlesea Community Farm</p> <p><u>EPA Victoria:</u> Polly Zeeher, Acting Engagement Lead, Northern Region</p> <p><u>Hanson:</u> Daniel Fyfe (DF), Land and Mineral Reserves Manager Evan Kyriakopoulos (EK), Landfill Manager Chris Lynch (CL), Wollert Resource Park Project Manager Mitch Molnar (MM), Production Supervisor, Wollert Quarry Rachael Quinlan (RQ), Landfill Compliance Officer</p> <p><u>Secretariat:</u> Lyndel Hunter (LH), LH Strategic Communication</p>		

Item	
1	<p>Welcome</p> <p><u>Acknowledgement of Country</u> Our meeting is being held on the lands of the Wurundjeri people and I wish to acknowledge them as Traditional Owners. I would also like to pay my respects to their Elders, past and present, and Aboriginal Elders of other communities who may be here today.</p> <p><u>Apologies:</u> Jeanette Carthy, Wollert resident Peter Gross, Wollert resident Hamish McDonell, Melbourne Arboretum Maggie McDonell, Melbourne Arboretum</p>

	<p>Kellett McDonell, Wollert resident Sanela Rikalo, North Metropolitan Region Drew Heath, Wollert Quarry Manager</p>
<p>2</p>	<p>Presentation: Hanson Update on Current Activities</p> <p>Quarry Operational Update: <i>Mitch Molnar, Production Supervisor, Wollert Quarry</i> (Refer to ATTACHMENT)</p> <p>MM reported that short term development plans for the East pit of the quarry were being undertaken. A stripping campaign is currently being conducted. MM provided an image defining where the perimeter bund is under construction.</p> <p>MM reported that Shot Blast 135 conducted in the Eastern pit on Wednesday 25 July 2023 exceeded the airblast site compliance level of 120dBL. The airblast recorded was 129.1dBL. MM advised that airblast overpressure is the energy transmitted from the blast site within the atmosphere in the form of pressure waves.</p> <p>Hanson immediately self-reported the result to Earth Resources Regulation (ERR) and completed a Hanson Risk Report, which is assessed by the Risk Manager and General Manager.</p> <p>MM advised that Hanson undertakes third party monitoring through a contractor, Orica, for all blasting. Orica will provide a report on the blast.</p> <p>MM provided image of ground vibration and air blast monitors located around the site. There were no reports from the community.</p> <p>Orica identified that a hole had been drilled into a slumping face, which means there was a crack or void in the drill hole. This caused greater air pressure to be blasted from the face. MM provided images and video of the blast, indicating white puff of smoke as source of airblast exceedance.</p> <p>As a consequence, Orica has recommended that:</p> <ul style="list-style-type: none"> · Drill logs to be completed and provided to aid in early detection of cracks, voids and other geological anomalies, allowing shotfirer to adjust loading if required. · Any slumping of face row blast-holes must be communicated to the Quarry Manager. · In the event of a slumping face hole, it is advised to monitor until the slumping has ceased. Once slumping has ceased, air deck the remaining portion of the hole to reduce the risk of a confined build-up of explosive energy. · In the event of slumping face holes at the lower portion of the blast-hole and if accessible, it is advised to add bunding material (dust) in front of the face to minimise the risk of face ejection. · It is recommended to review and adjust blast exclusion zones in the event of slumping face holes. <p>Landfill Operations <i>Evan Kyriakopoulos, Operations Manager, Hanson Landfill</i> (Refer to ATTACHMENT)</p> <p><i>Landfill Gas (LFG) System Management:</i> EK advised that the Wollert Renewable Energy Facility (REF) consists of:</p> <ul style="list-style-type: none"> · seven 1,100kWh engines (7.7MWh); · an eighth engine is arriving early 2024; · six 1,000m³/h flares; and

	<ul style="list-style-type: none"> · a 100kWh Solar Array. <p>The REF also hosts a data centre, with two further data centres currently being installed.</p> <p>EK reported that expansion and maintenance of the LFG system commenced in July 2023, with flowlines replaced on 38 LFG wells. Additional works commenced on 21 August 2023 with 51 LFG wells being installed, including 27 new wells and 24 replacement redrills.</p> <p>EK provided images mapping the location of the LFG system on the site.</p> <p><i>Landfill Operations, Construction and Leachate Treatment</i></p> <p><u>Waste Filling:</u></p> <p>EK reported that Cells 14 and 15 are currently being filled. Filling in Cell 15 commenced on 21 June 2023 and is currently soft layer filling for its first lift. EK provided data of tonnes received up to 28 August 2023, including 426,000 tonnes received and 85,632 vehicles.</p> <p><u>Cell Construction and Capping:</u></p> <p>EK advised that:</p> <ul style="list-style-type: none"> · Construction of Cell 16 had paused for the winter and is scheduled to recommence in late September. · Planting of the Cell 12 Evapotranspiration Cap was completed in May. Only indigenous plants were used and included 25,000 trees and shrubs and 96,000 grasses. The planting will be subject to a 12 month monitoring and maintenance period. · The construction of the Interim Cap on Cells 10 to 13 commenced in January and was completed in July 2023. It included the lining of batters comprised of geocomposite (LLDPE and geosynthetic cushion) and quarry scalps. · The design of the Cell 13 cap is in progress. Due to changes to the Federal Government's National Greenhouse and Energy Reporting Scheme (NGERS), a conventional cap rather than an Evapotranspiration Cap will be constructed. Work is expected to commence in early 2024. <p>VF queried why NGERS had not accepted the Evapotranspiration Cap in place of a conventional cap. DF advised that there were no peer reviewed publications relevant to the Evapotranspiration Cap, so the Federal Government had regulated use of the conventional cap. However, Hanson has decided to abide by regulations and construct a conventional cap, but top it with extra soil to create an Evapotranspiration Cap.</p> <p><u>EPA Site Inspection:</u></p> <p>EK reported that EPA conducted a site inspection on 11 August 2023 in response to an alleged odour complaint three weeks prior. Following the inspection, no enforcement action or notices were issued. Hanson requested EPA to provide details of the complaint, such as date, time, description of odour, to enable further investigation internally. However, no further information has been provided.</p> <p>PZ advised that she would follow up.</p> <p><u>Leachate Treatment Plant:</u></p> <p>EK reported that 18.5ML of leachate had been treated and discharged to sewer in the year to date, with approximately 82kL being discharged daily. The construction of a fourth leachate pond is planned to commence in late 2023.</p>
<p>3</p>	<p>Report on site visitors</p> <p><i>Chris Lynch, Resource Park Project Manager, Wollert Resource Park</i></p> <p>(Refer to ATTACHMENT)</p> <p>CL commenced presentation with a slide entitled 'Shameless Self Promotion', advising of two key presentations since the last meeting.</p>

- Daniel Fyfe, Hanson Land and Mineral Reserves Manager was presented the 2023 Industry Leadership Award by national industry association WMRR
- The Hanson Landfill Services team were recognised as a finalist for the Sustainability and Environment Award in the City of Whittlesea Business Awards

CL reported that there had been three key state government visits relevant to the development of the Wollert Resource Park since the last meeting. These included:

- 27 June 2023: Representatives of Recycling Victoria, the regulatory authority formed as a consequence of the *Circular Economy (Waste Reduction and Recycling) Act 2021* to strengthen Victoria's waste and recycling system.
- 9 August 2023: An industry briefing with the Minister for Early Childhood and Pre-Prep and Minister for Environment, The Hon. Ingrid Stitt.
- 15 August 2023: Representatives of the Department of Energy, Environment and Climate Action, including the Department Secretary and four divisional heads.

CL noted that each of these visits yielded positive responses to Hanson's proposed Wollert Resource Park.

CL also provided an update on the Offset Management Program, providing images demonstrating progress from August 2022 to August 2023. He advised that:

- the fox and rabbit control program was underway
- plants for the offset planting program area are sourced from Nugal Biik Plants and Seeds, a local social enterprise native nursery
- Landscape designs for buffer screening are underway
- Seed harvesting will commence in September 2023.

4 Presentation: Update on Resource Park Project

Chris Lynch, Project Development Manager, Wollert Resource Park
(Refer to **ATTACHMENT**)

CL provided an update on the implementation timeline of the Wollert Resource Park. Currently:

- the Planning Scheme Amendment is still being progressed with Whittlesea Council,
- A range of technical assessments to support the planning scheme amendment have been completed.
- A review of the key documents required for the Planning Scheme Amendment is being undertaken.
- Engagement with government agencies such as EPA, Melbourne Water and the City of Whittlesea has commenced
- The market engagement process has commenced.

CL played a video introduction to the Wollert Resource Park, which is available to view at <https://vimeo.com/838865731>.

CL advised that the market engagement process included development of an Expression of Interest program to encourage operators of activities such as:

- Waste to Energy Facility

- Recycled aggregate production
- Soil washing/soil remediation
- Organics recycling
- Material Recovery Facility
- Metals recovery
- E-Waste recycling
- Tip shop, repair café, education facility
- Centre of excellence

Information has been sent to interested market participants, and an Industry Briefing has conducted on 16 August, 2023. To date, there has been significant interest from the market in the opportunities offered at the Wollert Resource Park.

5 Workshop: Resource Park Stakeholder Engagement

Griff Davis

SRG Members

GD explained that, like all the other specialist studies legislatively required to provide detailed assessments for any works approval application (eg. flora and fauna, air quality, noise, stormwater management, human health impacts, etc.), the development and delivery of a Community Engagement Plan is a statutory requirement.

An important aspect of Hanson’s business plan is their commitment to seek input from community stakeholders, ensuring consistent operational and environmental performance improvement.

Hanson knows what has to be done operationally to meet legislative and regulatory requirements, but they need advice to better understand community stakeholder expectations and needs.

GD advised that the purpose of this session is to gain a better of understanding of what information community stakeholders need, and how this information should be delivered to the broad community.

During discussion, the following was noted:

What information does the community need to know:

- The development of the Wollert Resource Park provided an opportunity for the community to develop a sense of pride. They are involved in, and contributing to, a future circular economy.
- Information about the Wollert Resource Park needs to be quarantined from the Hanson brand. All the local community know about Hanson is the quarry and cement trucks.
- What is the circular economy? How will it improve the future of waste management? How will it benefit the community?
- What happens to the waste?
- What happens in the recycling / reuse facility? How is waste recycled and how is it reused?
- Hanson should tell the positive stories – flora / fauna, etc. Let community know ‘What is happening in your backyard’.

How should information be delivered:

- Social media – utilise webinars, Facebook and Instagram. Particularly for the younger generations that are now making up the local community in the newly developed estates. This is how they source information.

	<p>Webinars provide first-hand information and allow regulatory authorities the opportunity to present information directly to the community.</p> <p>Facebook appears to be used mainly by community groups, particularly neighbourhood groups. Instagram is the most popular source of information. A survey of the group showed that all people less than 35 years responded that Instagram was their primary source of information.</p> <ul style="list-style-type: none"> · Use videos – it will gain a wider audience. It was noted that nobody reads print anymore, with the exception of community members representing the local retirement village. However, it was unanimously agreed that images tell a better story than paragraphs of words. · A repeated message was “keep messages simple utilising graphics where possible”. It was reiterated that images tell a far better story than words. · PV advised that EPA utilise social media with dedicated posts relevant to actions or activities. · PV advised that consideration should be given to the cultural demographics. · It was suggested that Hanson should discuss opportunities with Council to leverage off their community information engagement strategy. <p>It was agreed that LH would provide a draft engagement strategy for discussion at the next meeting.</p> <p>GD advised that Hanson was eager to encourage greater membership of the SRG. To support this challenge, LH suggested that each member ‘bring a friend’ to the next meeting – a mate, a family member, a work colleague, a neighbour, anyone who is interested in learning more about the Hanson facility and the proposed Wollert Resource Park.</p>
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Meeting Closed:	<p>GD affirmed that the Meeting Notes and presentations would be distributed via email to all attendees and uploaded to the Hanson website at https://www.hanson.com.au/about-us/regulatory-information/hanson-wollert/</p> <p>GD thanked all attendees and encouraged circulation of the meeting notes and presentations to other community members and organisations.</p>
Next Meeting:	<p>Following discussion, it was agreed that the next meeting should be conducted as an afternoon session in November 2023, and that Kirrip Community Centre is the preferred location.</p> <p>Time, date and confirmed venue will be advised when available,</p>

ACTION TRACKER

Item	Issue	Action	By
5	Presentation of DRAFT Engagement Strategy	LH	Next meeting
5	Each member ‘bring a friend’ to the next meeting	ALL	Next meeting

HANSON WOLLERT QUARRY – OPERATIONAL UPDATE



East Pit

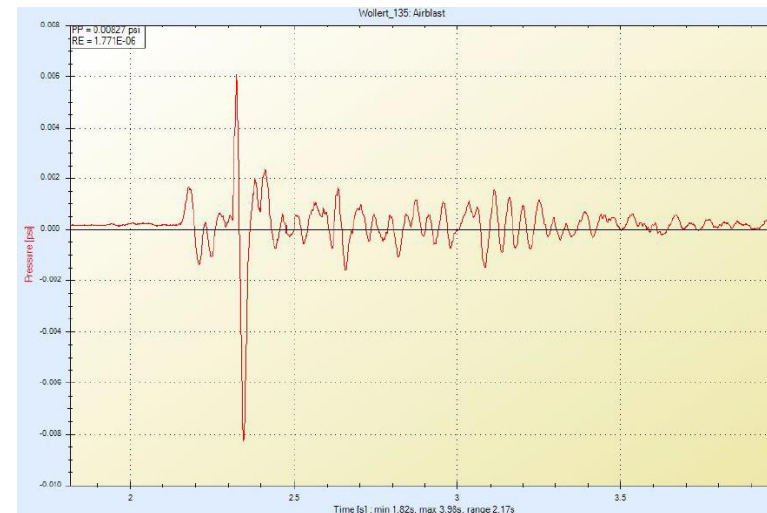
- Short-term quarry development plan for the East pit
- Current stripping campaign
- The red area is the perimeter bund that is currently being constructed



OVERPRESSURE REPORT

Airblast overpressure (or airblast level) is the energy transmitted from the blast site within the atmosphere in the form of pressure waves.

- Wednesday 5th of July 2023, Blast 135 in the Eastern pit exceeded the site compliance level 129.1DB(L)
- Immediately self-reported to the Earth Resources Regulation (ERR)
- Complete a Hanson risk report which is assessed by our risk manager and general manager
- Constant monitoring by 3rd party contractor for all blasting
- Air blast Overpressure: 120 dBL (all blasts)
- Orica to provide complete detail report



GROUND VIBRATION AND AIR BLAST MONITORING

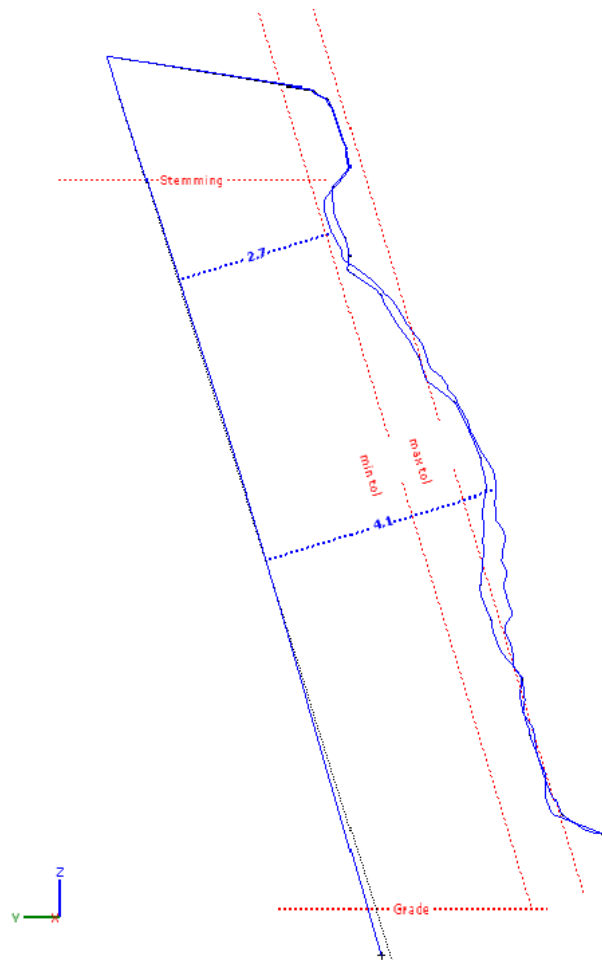
- Ground vibration & air blast monitors are set up at designated locations in close proximity to the quarry



Blast 135 – East Pit



Findings & Controls



4/07/2023		Drillers Scorecard									ORICA	
Mine		Hanson - Wollert										
Location		East Pit - North Face										
Title		Hanson - Wollert_135					Chris Webber					
Filename		Hanson - Wollert_135_Re Scan.spf										
Comment												
Row ID	Hole ID	Drill Depth	3m Down (Error mm)			Mid-Blasthole (Error mm)			Grade-Blasthole (Error mm)			Accuracy %
			<100	100-200	>200	<400	400-700	>700	<400	400-700	>700	
A				X			X				X	30
A	A1	14.3					X				X	50
A	A2	15.7	X			X					X	50
A	A3	14.3			X		X			X		75
A	A4	14.9		X		X				X		75
A	A5	16.0		X		X				X		95
A	A6	15.0		X		X			X			95

- All previous results have been under the site compliance limit
- Every front row hole is profiled/bore tracked
- The open faces are scanned for every shot
- The shot design is in line with the required parameters allowable for Wollert Quarry
- The hole has been loaded as per Orica's standard operating procedure

Recommendations



- Drill logs to be completed and provided to aid in early detection of cracks, voids and other geological anomalies, allowing Shotfirer to adjust loading if required
- Any slumping of face row blast-holes must be communicated to the quarry manager.
- In the event of a slumping face hole, it is advised to monitor until the slumping has ceased. Once slumping has ceased, air deck the remaining portion of the hole to reduce the risk of a confined build-up of explosive energy.
- In the event of slumping face holes at the lower portion of the blast-hole and if accessible, it is advised to add bunding material (dust) in front of the face to minimise the risk of face ejection
- It is recommended to review and adjust blast exclusion zones in the event of slumping face holes.

THANK YOU – ANY QUESTIONS?





August 2023 SRG Meeting





Contents

1. Update on landfill operations
2. Key activities during the last few months
3. Update on Resource Park



Key activities on site – Wollert Landfill



- Landfill Gas Management:
 - Renewable Energy Facility
 - Maintenance & Expansion of Landfill Gas System
- Waste Filling:
 - Cells 14 & 15
 - Tonnages
- Capping:
 - Cell 12
 - Cell 13
 - Cells 10 – 13 Interim Cap
- EPA Inspection
- Leachate Treatment Plant



Landfill Gas (LFG) Management

Month	LFG Flared (m ³)	LFG REF (m ³)	Total LFG Vol. (m ³)	Energy Generated (kWh)	REF Operating Hours	REF Engine Hours Downtime
Jan-23	527,583	3,090,720	3,618,303	5,247,500	734.2	55.2
Feb-23	584,663	2,781,504	3,366,167	4,578,917	647.6	172.2
Mar-23	444,773	3,250,432	3,695,205	5,429,265	744.0	-
Apr-23	684,924	3,091,424	3,776,348	5,286,714	719.9	8.7
May-23	736,816	3,048,064	3,784,880	5,389,324	729.4	98.5
Jun-23	695,921	3,030,784	3,726,705	5,194,400	629.7	125.1
Jul-23	659,869	3,108,640	3,768,509	5,170,080	717.1	238.2

Wollert Renewable Energy Facility (REF):

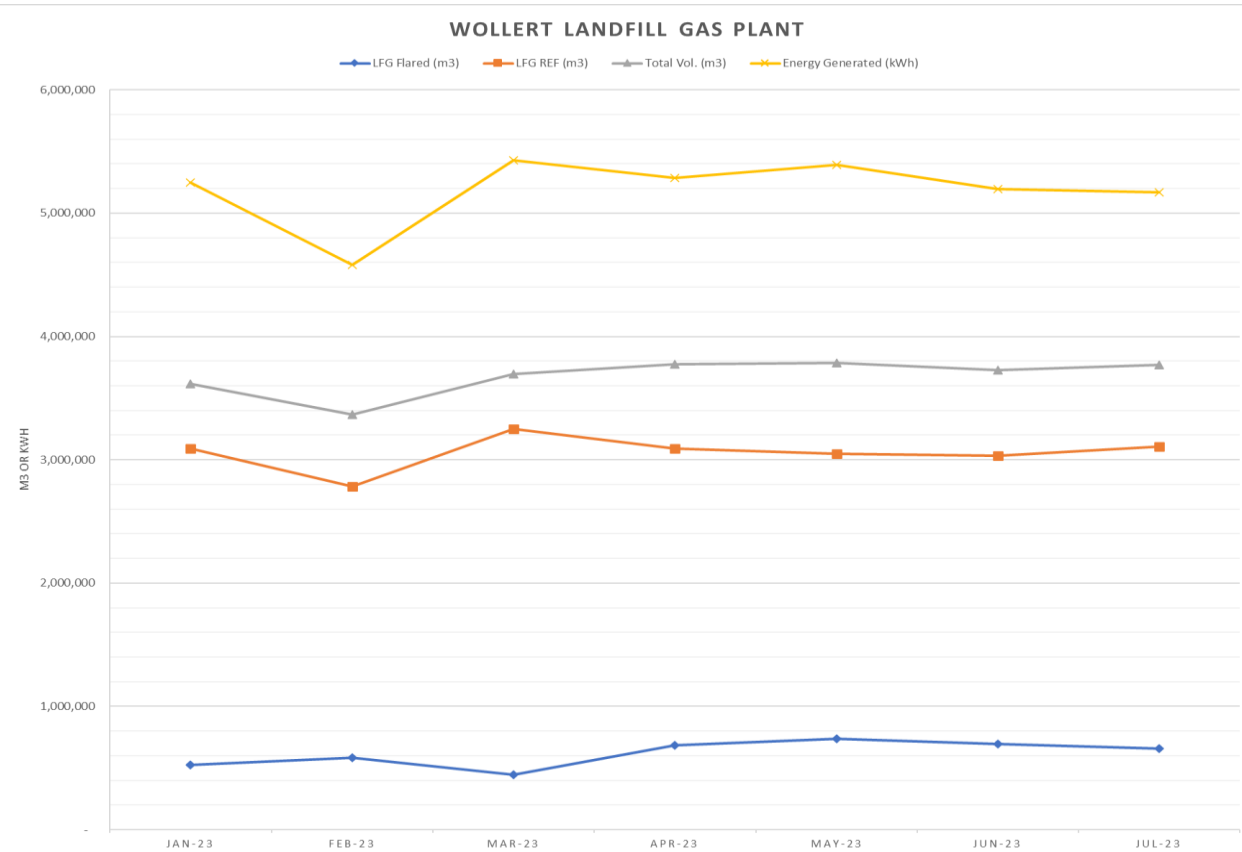
- 7 x 1,100kWh engines (7.7MWh)
- 8th engine arriving early 2024.
- 6 x 1,000m³/h flares.
- 100kWh Solar Array.
- 1 x data centre
- 2 x data centres currently being installed

Expansion and Maintenance of LFG System: July 2023:

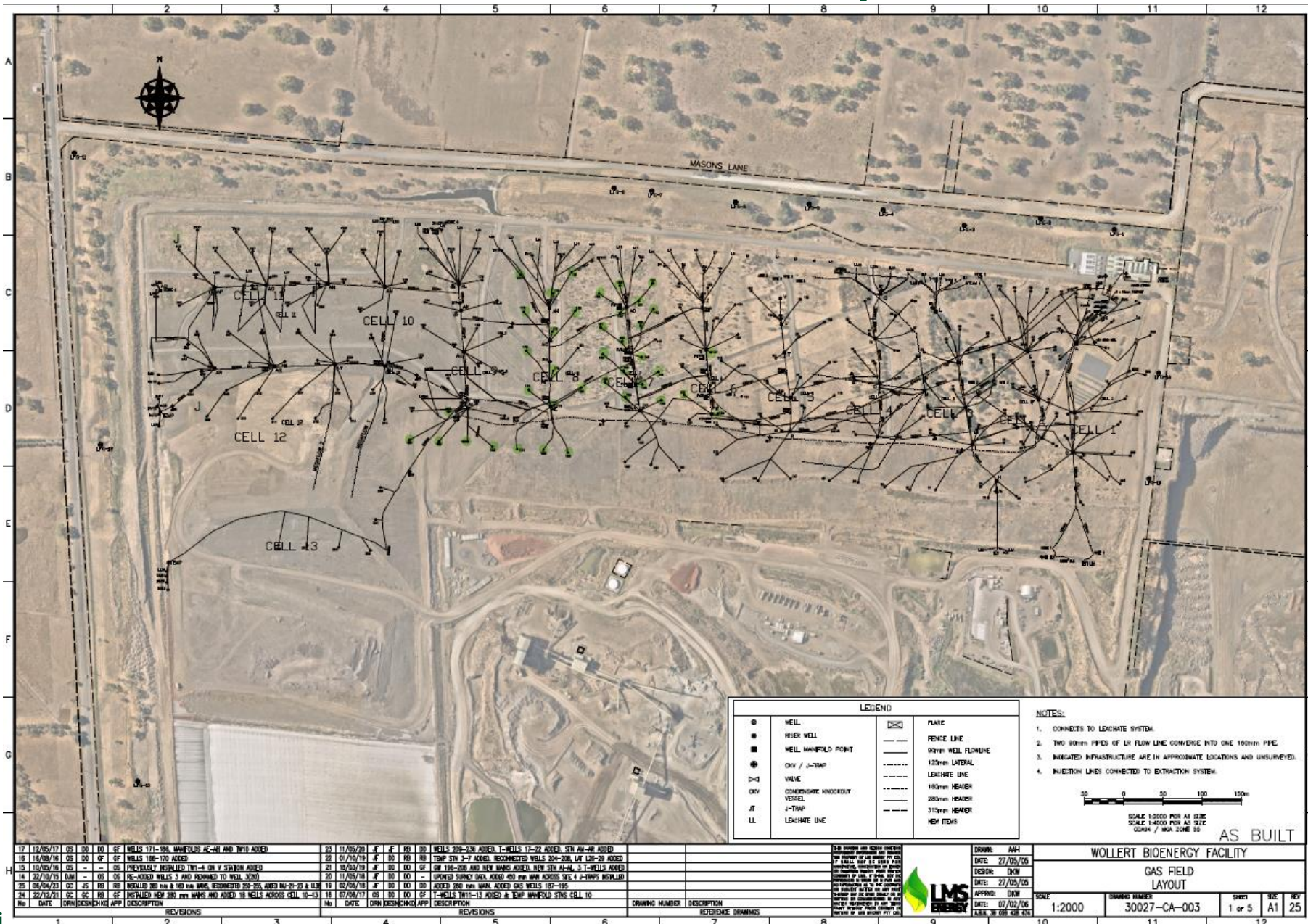
- flowlines replaced on 38 LFG wells

August 2023:

- Works commenced 21 August 2023
- 51 LFG wells currently being installed:
 - 27 new wells
 - 24 redrills (replacements)



Expansion and Maintenance of Landfill Gas System (continued)



LEGEND	
●	WELL
●	WELL MANIFOLD POINT
●	WELL MANIFOLD POINT
○	VALVE
○	COMBINATION KNOCKOUT VESSEL
○	J-TAP
○	LEACHATE LINE
□	PLATE
---	FENCE LINE
---	90mm WELL FLOWLINE
---	125mm LATERAL LEACHATE LINE
---	150mm HEADER
---	200mm HEADER
---	315mm HEADER
---	NEW ITEMS

NOTES:

- CONNECTS TO LEACHATE SYSTEM.
- TWO 90mm PIPES OF LR FLOW LINE CONVERGE INTO ONE 100mm PIPE.
- INDICATED INFRASTRUCTURE ARE IN APPROXIMATE LOCATIONS AND UNSURVEYED.
- INJECTION LINES CONNECTED TO EXTRACTION SYSTEM.

SCALE 1:2000 FOR A1 SIZE
SCALE 1:4000 FOR A3 SIZE
GDMA / MGA 2006 55

AS BUILT

No.	DATE	DRN	DESIGNER	APP	DESCRIPTION	No.	DATE	DRN	DESIGNER	APP	DESCRIPTION
17	12/05/17	OS	DF	DF	WELLS 171-184, MANIFOLDS AC-41 AND TWP1 ADDED	23	11/05/20	JF	JF	JF	WELLS 209-238 ADDED, T-WELLS 17-22 ADDED, SM-AH-AH ADDED
18	16/08/18	OS	DF	DF	WELLS 106-170 ADDED	25	01/10/19	JF	JF	JF	TEMP STN 3-7 ADDED, RECOMMENDED WELLS 204-208, LR 126-20 ADDED
19	10/03/18	OS	DF	DF	PROCESSEDLY REINSTALLED TWP1-4 ON V SPADON ADDED	21	18/05/19	JF	JF	JF	OF TWP-208 AND NEW MANIFOLD ADDED, NEW STN AL-AH, 3 T-WELLS ADDED
20	22/10/18	OS	DF	DF	RE-ADDED WELLS 3 AND REFORMED TO WELL 3000	20	11/05/19	JF	JF	JF	UPGRADED SURFACE DATA, ADDED 403 AND NEW MANIFOLD, SET 4 J-TAPS, NEW LATERAL
21	08/04/21	OS	JF	JF	RECALLED 201 TWP 1 & 100 mm BORE, RECONNECTED 205, ADDED NA-21-29 & LR	19	02/05/19	JF	JF	JF	ADDED 200 mm MANIFOLD ADDED GAS WELLS 187-195
24	22/12/21	OS	DF	DF	RECALLED NEW 200 mm MANIFOLD ADDED 18 WELLS ACROSS CELL 10-13	18	07/08/17	OS	DF	DF	T-WELLS TWP1-13 ADDED & TEMP MANIFOLD STNS CELL 10

<p>FOR ISSUES OR CLARIFICATION CONTACT THE DESIGNER OR APPROVER OF THIS DRAWING. THE DESIGNER OR APPROVER OF THIS DRAWING IS NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED IN THIS DRAWING. THE DESIGNER OR APPROVER OF THIS DRAWING IS NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED IN THIS DRAWING.</p>	<p>DRAWN: AHH DATE: 27/05/06 DESIGN: DVM DATE: 27/05/06</p>	<p>WOLLERT BIOENERGY FACILITY GAS FIELD LAYOUT</p>
<p>APP'D: DVM DATE: 07/02/06 SCALE: 1:2000</p>	<p>DRAWING NUMBER: 30027-CA-003</p>	<p>SHEET: 1 of 5 SUE: A1 REV: 25</p>



Expansion and Maintenance of Landfill Gas System (cont.)

SCHEDULE OF MGA ZONE 56 CO-ORDINATES

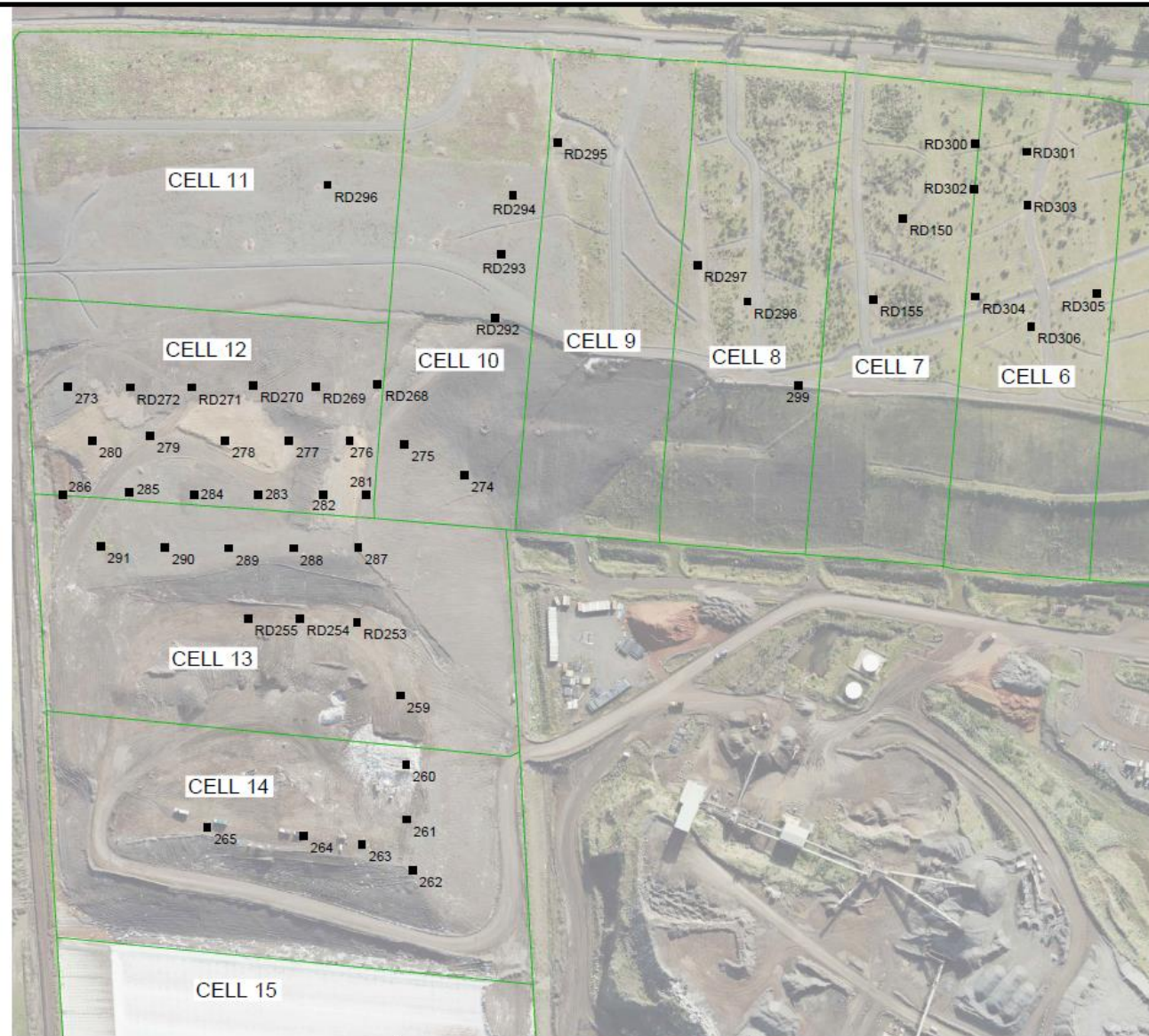
Reference	East	North	Elevation	Depth To Base Of Waste (m)
259	326710.78	5838262.09	198.69	20.89
260	326720.78	5838213.62	198.84	22.25
261	326721.25	5838174.99	198.82	22.63
262	326725.22	5838139.00	194.38	18.63
263	326689.81	5838157.16	198.73	22.62
264	326648.89	5838163.25	198.81	22.05
265	326581.06	5838169.25	198.91	21.38
273	326483.36	5838478.88	200.23	13.88
274	326761.74	5838417.12	191.29	13.66
275	326719.81	5838438.41	206.43	28.54
276	326681.07	5838440.89	211.51	33.01
277	326638.64	5838441.43	208.54	29.70
278	326593.77	5838441.05	207.45	28.28
279	326540.92	5838444.58	204.02	24.33
280	326500.36	5838441.44	201.63	20.6
281	326693.09	5838403.23	209.95	31.55
282	326662.69	5838403.12	210.77	32.75
283	326616.99	5838403.12	207.58	29.00
284	326571.74	5838403.25	205.10	25.98
285	326526.55	5838404.89	203.23	23.58
286	326479.81	5838402.94	196.24	7.68
287	326687.12	5838365.97	208.30	31.57
288	326641.68	5838365.66	208.32	29.98
289	326596.37	5838365.70	206.43	27.51
290	326551.46	5838365.90	204.46	25.23
291	326506.30	5838366.70	198.87	19.25
299	326996.27	5838479.87	210.80	33.23
RD150	327069.70	5838567.45	202.51	23.82
RD155	327049.11	5838540.20	206.06	28.13
RD253	326686.31	5838313.09	198.88	20.52
RD254	326646.30	5838315.82	199.20	20.39
RD255	326609.62	5838315.80	198.91	19.80
RD268	326700.46	5838480.55	211.03	31.48
RD269	326657.33	5838479.14	211.43	32.56
RD270	326613.59	5838479.88	207.73	28.35
RD271	326570.43	5838478.70	206.34	26.39
RD272	326526.99	5838478.71	204.19	23.82
RD292	326783.47	5838527.64	211.78	32.81
RD293	326787.68	5838572.15	210.32	30.68
RD294	326795.81	5838613.79	208.62	28.67
RD295	326827.02	5838660.55	205.56	25.47
RD296	326865.68	5838621.03	207.44	26.58
RD297	326925.46	5838564.55	206.41	28.07
RD298	326960.58	5838539.11	207.24	28.93
RD300	327120.43	5838650.02	199.35	14.26
RD301	327156.59	5838644.28	199.45	16.4
RD302	327120.02	5838617.78	201.31	21.02
RD303	327157.28	5838606.46	201.52	22.83
RD304	327120.83	5838542.44	205.73	27.45
RD305	327205.85	5838544.56	205.15	26.78
RD306	327159.78	5838521.30	206.31	28.2

*RD - Redrill

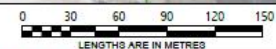
LEGEND

■ 001 PROPOSED GAS WELL LOCATION - STAKE PLACED

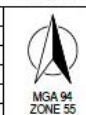
BACKGROUND IMAGE CAPTURED 09/07/21. BACKGROUND IMAGE IS FOR PRESENTATION ONLY
LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD) VIDE SITE DATUM PM10
CO-ORDINATES ARE ON MAP GRID OF AUSTRALIA (MGA94) VIDE GPSNET



HANSON
PROPOSED GAS WELLS
BRIDGE INN ROAD
WOLLERT



SCALE
1:3000



JOB NUMBER:	2160712
DATE OF SURVEY:	03/08/2023
FIELD PARTY:	MJ
DRAWN BY:	MJM
PLAN DATE:	04/08/2023
SHEET:	SHEET 1 OF 1
REVISION:	-
SIZE:	A3



1/87-91 Heatherdale Rd
Ringwood 3134

info@landair.com.au
www.landair.com.au

1300 130 158
(03) 9872 5092

Landfill Operations, Construction & Leachate Treatment

Waste Filling:

- Currently filling Cell 14 and 15.
 - Filling in Cell 15 commenced on 21 June 2023.
 - Cell 15 – currently soft layer filling (1st lift).

Month:	Tonnes Landfilled (kT)	Vehicles to F'fill:	Vehicles to T/S.	Tot. Vehicles 2023
Jan-23	64.2	7,580	3,813	11,393
Feb-23	82.5	8,319	3,197	11,516
Mar-23	75.5	8,964	3,297	12,261
Apr-23	37.8	6,469	3,057	9,526
May-23	44.9	8,013	3,004	11,017
Jun-23	42.8	7,483	3,149	10,632
Jul-23	41.6	7,042	3,260	9,845
Aug-23*	36.7	6,429	3,013	9,442
TOTAL	426.0	60,299	25,790	85,632

* As at 28/8/23

Cell Construction & Capping:

- Cell 16 Construction:
 - Paused for Winter.
 - Scheduled to recommence in late-September.
- Cell 12 Evapotranspiration Cap:
 - Planting completed in May.
 - Total plants (indigenous species only used):
 - 23k Trees & Shrubs.
 - 96k Grasses.
 - 12-month monitoring & maintenance period in progress.
- Cells 10 – 13 Interim Cap:
 - Commenced in Jan 2023 and completed July 2023.
 - Lining of batters:
 - Geocomposite (LLDPE & geosynthetic cushion)
 - Quarry scalps.
- Cell 13 Cap:
 - Design in progress.
 - Conventional Cap due to Fed. Gov't NGERs changes.
 - Expected commencement early 2024.



Landfill Operations, Construction & Leachate Treatment (cont.)

EPA Site Inspection 11 August:

- In response to an alleged odour complaint 3 weeks prior.
- No enforcement action/notices issued. EPA were satisfied with operations.
- Request made to EPA to provide details of complaint (date, time, description), to enable further investigation internally. No details have been provided.

Leachate Treatment Plant:

- YTD, 18.5 ML treated & discharged to sewer.
- Approx. 82kL/day discharged to sewer.
- Planned construction of 4th leachate pond in late 2023.



Landfill Operations, Construction & Leachate Treatment (cont.)



Mon Jul 17 2023

5/10/2023

Group Presentation

100 m

nearmap



Thank You



Evan Kyriakopoulos

Operations Manager

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Shameless Self Promotion – Wollert out and about



Daniel Fyfe – Winner of Industry Leadership Award



Hanson Landfill Services – Finalist in the Sustainability and Environment Award



Key Site Visits

- DEECA Secretary Visit – 15 August
- Industry briefing with the Minister – 9 August
- Recycling Victoria Visit – 27 June



Offset Management Program

August 2022



August 2023



Weed Control/Biodiversity



- Fox and rabbit control
- Offset area planting program – plants sourced from Nugal Biik Plants and Seeds (social enterprise native nursery)
- Landscape designs for buffer screening
- Seed harvesting at Wollert – coming up in September 2023

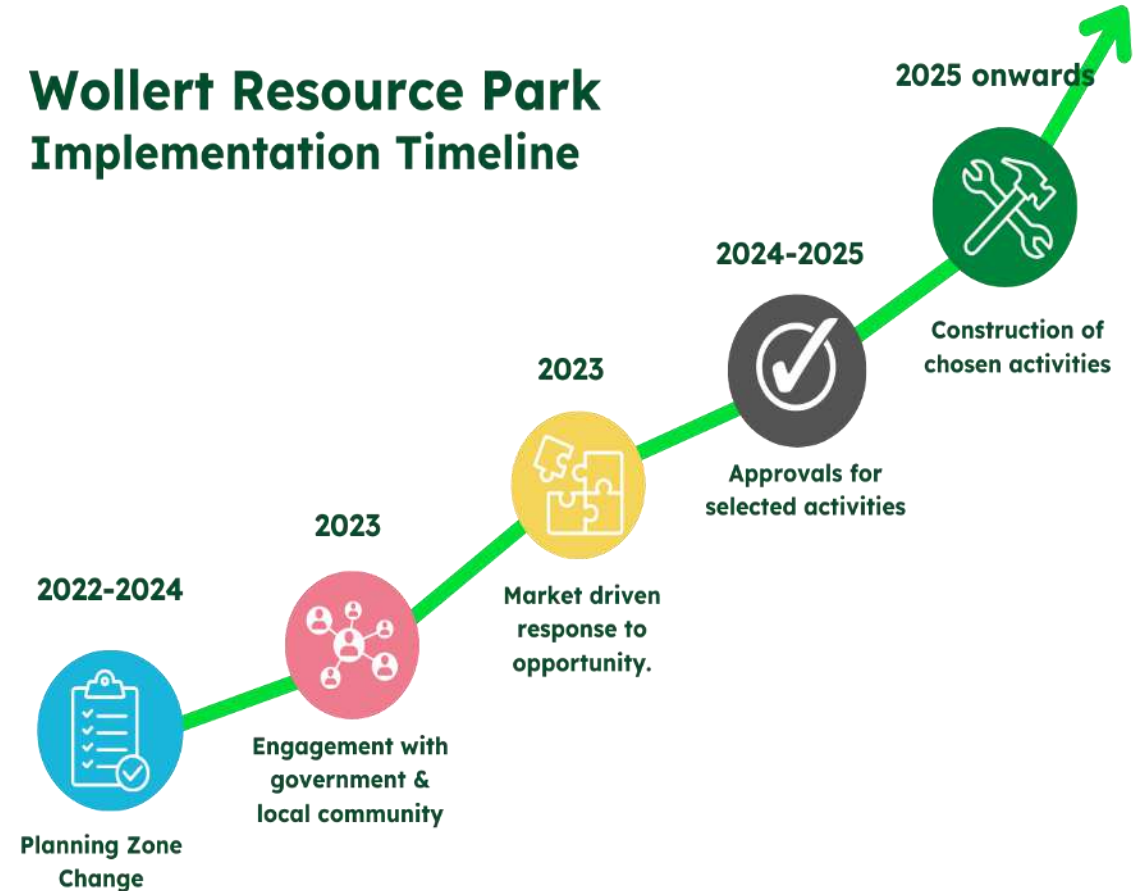


Resource Park Update

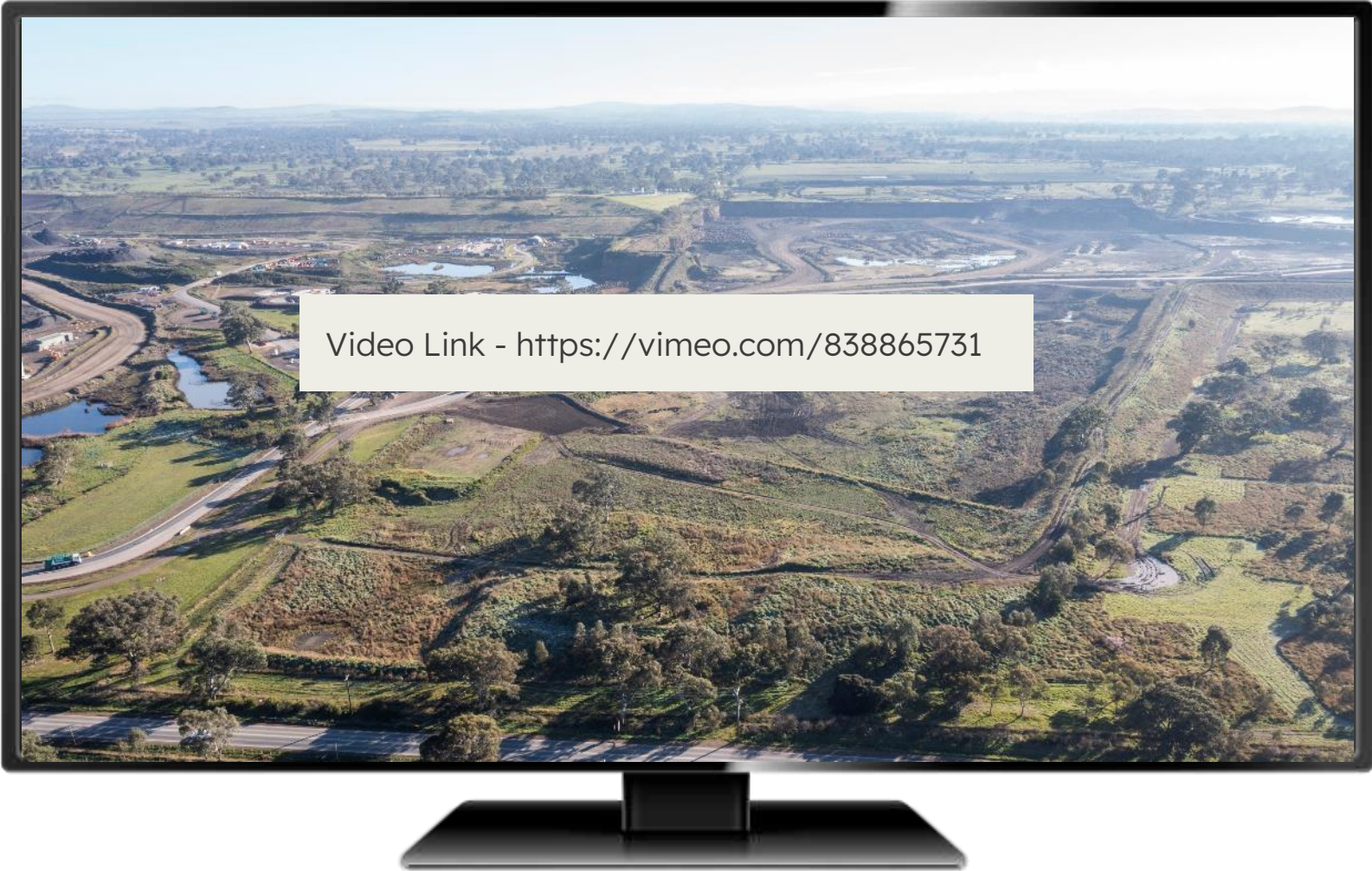
Timeline

- Planning Scheme Amendment
- Technical assessments
- Review of key documents
- Engagement with government agencies – EPA, Melbourne Water, City of Whittlesea
- Market engagement process

Wollert Resource Park Implementation Timeline



A Video Introduction to the Wollert Resource Park



Video Link - <https://vimeo.com/838865731>



Expressions of Interest – Waste to Energy and Resource Recovery



- Information sent to interested market participants
- Industry Briefing held 16th August
- Significant interest from market in activities on site
- Activities could include:
 - Waste to Energy Facility
 - Recycled aggregate production
 - Soil washing/soil remediation
 - Organics recycling
 - Material Recovery Facility
 - Metals recovery
 - E-Waste recycling
 - Tip shop, repair café, education facility
 - Centre of excellence



Thank You



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