

INFRASTRUCTURE COMMITTEE MEETING

MINUTES

1 NOVEMBER 2022

TABLE OF CONTENTS

ITEM	SUBJECT PAGE	E NO
1	OPENING	1
2	PRESENT	1
3	APOLOGIES AND LEAVE OF ABSENCE	1
4	CONFIRMATION OF MINUTES OF PREVIOUS MEETING	2
5	DECLARATIONS OF INTEREST IN MATTERS ON THE AGENDA	2
6	BUSINESS OUTSTANDING	3
	6.1 LIFTING MATTERS FROM THE TABLE	3
7	PUBLIC FORUMS/DEPUTATIONS	4
8	PRESENTATION OF PETITIONS	4
	NIL	4
9	COUNCILLOR/DELEGATE REPORTS	4
	NIL	4
10	OFFICERS' REPORTS	5
	10.1 ENVIRONMENTAL DATA MONITORING REVIEW AND CONCEPTUAL SITE MODEL FOR LAKES CREEK ROAD	5
	LANDFILL	
	10.4 PROJECT DELIVERY CAPITAL PROJECT REPORT OCTOBER	9
	10.5 ADDITION OF ROAD TO ROAD REGISTER - NINE MILE ROAD ADJUSTMENT	11 12
11	NOTICES OF MOTION	14
	NIL	14
12	QUESTIONS ON NOTICE	14
	NIL	14
13	URGENT BUSINESS\QUESTIONS	14
14	CLOSURE OF MEETING	14

REPORT OF THE INFRASTRUCTURE COMMITTEE MEETING HELD AT COUNCIL CHAMBERS, 232 BOLSOVER STREET, ROCKHAMPTON ON TUESDAY, 1 NOVEMBER 2022 COMMENCING AT 9:03AM

1 OPENING

1.1 Acknowledgement of Country

2 PRESENT

Members Present:

Deputy Mayor, Councillor N K Fisher (Chairperson)

Councillor S Latcham

Councillor C E Smith

Councillor C R Rutherford

Councillor M D Wickerson

Councillor D Kirkland

Councillor G D Mathers (via video-link)

In Attendance:

Mr E Pardon - Chief Executive Officer

Mr P Kofod – General Manager Regional Services (Executive Officer)

Mr R Cheesman – Deputy Chief Executive Officer (via video-link)

Ms A Cutler – General Manager Community Services (via video-link)

Mr D Morrison – Manager Workforce and Governance (via video-link)

Ms M Taylor – Chief Financial Officer (via video-link)

Mr A Russell – Executive Manager Strategy and Planning

Mr M O'Keeffe - Manager Rockhampton Regional Waste and Recycling

Mr M Crow - Manager Infrastructure Planning

Mr A Collins - Manager Project Delivery

Mr J Gwydir – Manager Civil Operations

Mr S Harvey - Coordinator Infrastructure Planning

Ms G Parsons – Coordinator Waste and Recycling Facilities

Ms G Dwyer – Senior Communications Officer (via video-link)

Ms S Michaels – Senior Communications Officer (via video-link)

Ms P Brown – (CQG Consulting)

Ms K Walsh - Committee Support Officer

3 APOLOGIES AND LEAVE OF ABSENCE

The Mayor, Councillor Tony Williams tendered his apology and was not in attendance.

4 CONFIRMATION OF MINUTES OF PREVIOUS MEETING

COMMITTEE RESOLUTION

THAT the minutes of the Infrastructure Committee of 4 October 2022 be confirmed.

Moved by: Councillor Smith
Seconded by: Councillor Latcham

MOTION CARRIED

5 DECLARATIONS OF INTEREST IN MATTERS ON THE AGENDA

Councillor Ellen Smith informed the meeting:

"I have a prescribed conflict of interest in Item 10.4 – Project Delivery Capital Project Report October 2022 - Mount Morgan Water Supply Pipeline Project. This prescribed conflict of interest arises as my nephew Adam John McEvoy is a partner in MTC Industries which has a contract with Fitzroy River Water to cart potable drinking water to Mount Morgan. My brother John James McEvoy is employed by MTC Industries to drive the water tanker.

In relation to the proposed water pipeline to Mount Morgan, the alignment goes along Kabra Road where my brother owns a property at 248 Kabra Road. The proposed alignment also goes along Moonmera Road where my sister and brother-in-law Trish and Don McKinnon own a property on the corner of Moonmera and Poison Creek Roads.

I will deal with the conflict by leaving the room and staying away from the place where the meeting is being held when this matter is being discussed and voted on."

6 BUSINESS OUTSTANDING

6.1 LIFTING MATTERS FROM THE TABLE

File No: 10097

Authorising Officer: Peter Kofod - General Manager Regional Services

Author: Peter Kofod - General Manager Regional Services

SUMMARY

Items laid on the table require a report to be lifted from the table before being dealt with. This report is designed to lift the reports that have been laid on the table at previous Infrastructure Committee Meetings.

COMMITTEE RESOLUTION

THAT the following matter be lifted from the table and dealt with accordingly:

• Quay Street Traffic Configuration

Moved by: Councillor Smith
Seconded by: Councillor Wickerson

MOTION CARRIED

7 PUBLIC FORUMS/DEPUTATIONS

Nil

8 PRESENTATION OF PETITIONS

Nil

9 COUNCILLOR/DELEGATE REPORTS

Nil

10 OFFICERS' REPORTS

10.1 ENVIRONMENTAL DATA MONITORING REVIEW AND CONCEPTUAL SITE MODEL FOR LAKES CREEK ROAD LANDFILL

File No: 6210

Authorising Officer: Peter Kofod - General Manager Regional Services

Author: Michael O'Keeffe - Manager Rockhampton Regional

Waste and Recycling

SUMMARY

The purpose of this report is to inform Council on the Environmental Data Monitoring Review and Conceptual Site Model for Lakes Creek Road Landfill.

10:02AM Chief Executive Officer left the meeting room.

10:06AM Chief Executive Officer returned to the meeting room.

COMMITTEE RESOLUTION

THAT the Environmental Data Monitoring Review and Conceptual Site Model for Lakes Creek Road Landfill Report be received.

Moved by: Councillor Latcham Seconded by: Councillor Mathers

MOTION CARRIED UNANIMOUSLY

Meeting Adjourned

COMMITTEE RESOLUTION

10:13AM

That the meeting be adjourned until 10:25AM.

Moved by: Councillor Latcham

MOTION CARRIED

Meeting Resumed

COMMITTEE RESOLUTION

10:28AM

That the meeting be resumed.

Moved by: Councillor Fisher

MOTION CARRIED

Members Present:

Deputy Mayor, Councillor N K Fisher (Chairperson)

Councillor S Latcham

Councillor C E Smith

Councillor C R Rutherford

Councillor M D Wickerson

Councillor D Kirkland

Councillor G D Mathers (via video-link)

In Attendance:

Mr E Pardon - Chief Executive Officer

Mr P Kofod – General Manager Regional Services (Executive Officer)

Mr R Cheesman – Deputy Chief Executive Officer (via video-link)

Ms A Cutler – General Manager Community Services (via video-link)

Mr D Morrison – Manager Workforce and Governance (via video-link)

Ms M Taylor – Chief Financial Officer (via video-link)

Mr A Russell – Executive Manager Strategy and Planning

Mr M O'Keeffe - Manager Rockhampton Regional Waste and Recycling

Mr M Crow – Manager Infrastructure Planning

Mr A Collins - Manager Project Delivery

Mr J Gwydir - Manager Civil Operations

Mr S Harvey - Coordinator Infrastructure Planning

Mr A Whitby - Coordinator Assets and GIS

Mr B Cagney - Senior Assets Engineer

Ms G Parsons – Coordinator Waste and Recycling Facilities

Mr G Dwyer – Senior Communications Officer (via video-link)

Ms S Michaels – Senior Communications Officer (via video-link)

Ms K Walsh - Committee Support Officer

10.2 QUAY STREET TRAFFIC CONFIGURATION

File No: 5252

Authorising Officer: Martin Crow - Manager Infrastructure Planning

Peter Kofod - General Manager Regional Services

Author: Stuart Harvey - Coordinator Infrastructure Planning

Previous Items: 10.4 - Quay Street Traffic Configuration - Infrastructure

Committee Meeting - 04 Oct 2022 9:00am

SUMMARY

Following on from the preliminary investigation completed in November 2017, an investigation into the impacts of permanently changing Quay Street to one way traffic configuration, as opposed to two way vehicle flow, has been undertaken. The results of this investigation are included for Council's consideration.

THAT Council retain the section of Quay Street between William and Fitzroy Street as one way.

Moved by: Councillor Smith Seconded by: Councillor Rutherford

Suspension of Standing Orders

COMMITTEE RESOLUTION

10:45AM

That pursuant to s7.8 Council Meeting Procedures the provisions of the Rockhampton Regional Council Meeting Procedures be suspended to allow adequate time for informal discussion on Item 10.2 – Quay Street Traffic Configuration prior to entering into formal debate.

Moved by: Councillor Fisher

MOTION CARRIED

Resumption of Standing Orders

COMMITTEE RESOLUTION

11:24AM

That pursuant to s7.8 Council Meeting Procedures the provisions of the Rockhampton Regional Council Meeting Procedures be resumed.

Moved by: Councillor Kirkland

MOTION CARRIED

COMMITTEE RESOLUTION

THAT the matter lay on the table pending further information on the shared zone within the current configuration and speed environment.

Moved by: Councillor Smith

MOTION CARRIED

Councillor Kirkland and Councillor Mathers recorded their vote against the motion.

10.3 GRACEMERE WASTE TRANSFER STATION OPERATING HOURS REVIEW

File No: 7284

Authorising Officer: Peter Kofod - General Manager Regional Services

Author: Michael O'Keeffe - Manager Rockhampton Regional

Waste and Recycling

SUMMARY

The purpose of this report is to present the findings of the Gracemere Waste Transfer Station operating hours review. The key objective of this review is to address concerns raised by customers to ensure the operating hours of the Waste Transfer Station meet the needs of the community.

COMMITTEE RESOLUTION

THAT Council resolves to maintain the current operating hours for the Gracemere Waste Transfer Station.

Moved by: Councillor Latcham Seconded by: Councillor Kirkland

MOTION CARRIED

Councillor Smith recorded her vote against the motion.

10.4 PROJECT DELIVERY CAPITAL PROJECT REPORT OCTOBER 2022

Councillor Smith, having earlier informed the meeting of a prescribed conflict of interest and her decision to not participate in the decision, will leave the meeting room if the matter of the *Mount Morgan Water Supply Pipeline Project* is discussed.

File No: 7028

Authorising Officer: Peter Kofod - General Manager Regional Services

Author: Andrew Collins - Manager Project Delivery

SUMMARY

Monthly status report on all projects currently managed by the Project Delivery unit.

COMMITTEE RESOLUTION

THAT the Project Delivery Monthly Report for October 2022 be received.

Moved by: Councillor Latcham
Seconded by: Councillor Rutherford

MOTION CARRIED

Councillors Latcham, Rutherford, Fisher, Smith, Wickerson, Kirkland and Mathers voted in the affirmative.

Councillor Smith remained in the meeting room as the matter of *Mount Morgan Water Supply Pipeline Project* was not discussed.

10.5 ADDITION OF ROAD TO ROAD REGISTER - NINE MILE ROAD ADJUSTMENT

File No: 6833

Authorising Officer: Peter Kofod - General Manager Regional Services

Author: John Gwydir - Manager Civil Operations

SUMMARY

Council recently decided at its meeting of 16 August 2022 to add a number of roads to Council's Road Register and maintenance program. This report seeks to add a small section which was omitted from that report.

COMMITTEE RESOLUTION

THAT Council assumes responsibility for the opening and maintenance of the 145 metre segment of road identified in Attachment 1 off Nine Mile Road, Mount Morgan.

Moved by: Councillor Smith
Seconded by: Councillor Rutherford

MOTION CARRIED UNANIMOUSLY

10.6 ASSET MANAGEMENT PLAN - UNSEALED ROADS

File No: 5960

Authorising Officer: Martin Crow - Manager Infrastructure Planning

Peter Kofod - General Manager Regional Services

Author: Andrew Whitby - Coordinator Assets and GIS

SUMMARY

This report presents a new Asset Management Plan for Unsealed Roads to the Infrastructure Committee for adoption.

COMMITTEE RESOLUTION

THAT the matter be referred to the next available Briefing Session.

Moved by: Councillor Rutherford Seconded by: Councillor Mathers

MOTION CARRIED

10.7 QRA FUNDING APPLICATIONS

File No: 12534

Authorising Officer: Martin Crow - Manager Infrastructure Planning

Peter Kofod - General Manager Regional Services

Author: Stuart Harvey - Coordinator Infrastructure Planning

SUMMARY

The Queensland Reconstruction Authority have released a Floodplain Risk Management Program Funding for Councils. Council officers wish to submit several applications for funding, and these are presented to Council for their information and endorsement.

12:05PM Chief Executive Officer left the meeting room.

12:08PM Chief Executive Officer returned to the meeting room.

COMMITTEE RESOLUTION

THAT Council endorse the following prioritised applications for funding under the Queensland Reconstruction Authority Flood Risk Management Program:

- 1. West Rockhampton and Wandal Floodplain Risk Management Study
- 2. Splitters Creek Floodplain Risk Management Study
- 3. Gracemere Creeks Local Catchment Flood Model Update
- 4. Flood Forecasting Software Module

Moved by: Councillor Smith
Seconded by: Councillor Rutherford

MOTION CARRIED

11	NOTICES OF MOTION Nil
12	QUESTIONS ON NOTICE Nil
13	URGENT BUSINESS\QUESTIONS
14	CLOSURE OF MEETING There being no further business the meeting closed at 12:25pm.
	SIGNATURE
	CHAIRPERSON
	DATE



MEETING ATTACHMENTS

1 NOVEMBER 2022

ANNEXURE A

Documents presented to Councillors for their reference during the Infrastructure Committee meeting when dealing with:

Item 10.1 - Environmental Data Monitoring Review and Conceptual Site Model for Lakes Creek Road Landfill



Environmental Data Monitoring Review and Conceptual Site Model for Lakes Creek Road Landfill

Rockhampton Regional Council – Infrastructure Committee Meeting

1 November 2022



Investigation Scope

- Review of environmental monitoring data for the Lakes Creek Road Landfill (LCRL)
- Determine suitability of monitoring program for identifying potential risks to sensitive receptors to inform the detailed design for LCRL expansion
- Develop Preliminary Conceptual Site Model (CSM)
- Assess the risk to sensitive receptors





Legend
Site Boundary
Cadastral Boundaries

N
Scale 1:5,000 (A3)
0 50 100 200
Metres
Coordinate System: GBA 2020 MGA Zone 56

Lakes Creek Road Landfill

Site Locality

Consulting

On Gary Start, Rockbangton of 1709
PD 0sc 3584, Alenstone 1700
Pt 41 14 2022 Far: 414 1 1 4 202106
Project No. 22037
Map No. 22037-01
Revision: Rev B

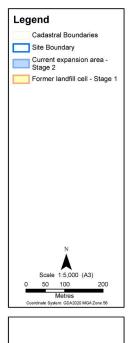
Figure 1.1

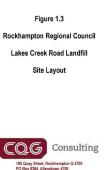
Rockhampton Regional Council

Layer Credits- Esri, HERE, Garmin, (c) OpenStreetMap contributors, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community; QSpatial - Cadastral Boundaries, Roads.









Project No: 22037 Map No: 22037-04 Revision: Rev E 18 October 2022



Regulatory Context

Site is licensed to operate in accordance with environmental authority (EA) EPPR00626313 issued under the *Environmental Protection Act* 1994 (EP Act).

EA includes monitoring requirements for:

- Groundwater (GW);
- Surface water (SW);
- Leachate (also specific requirements under Trade Waste Permit); and
- Landfill gas (LFG) (methane).

EP Act includes the general environmental duty to avoid environmental harm unless all reasonable and practicable measures taken to prevent or minimise the harm

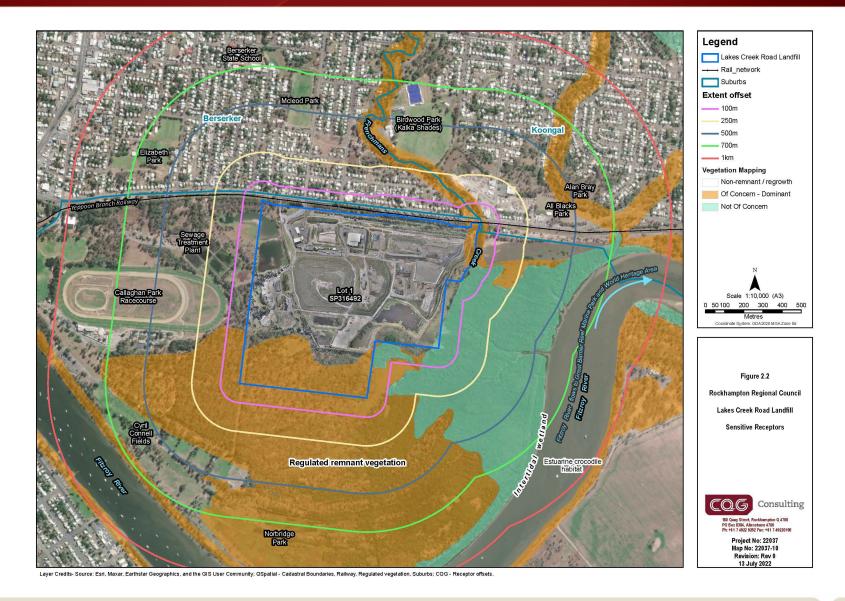


Desktop Assessment

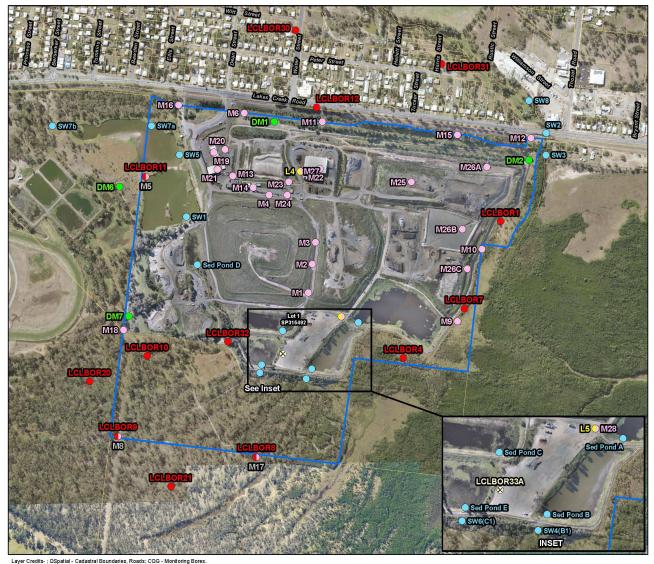
- Climate
- Surrounding land uses and sensitive environmental values
- Geology and soils
- Hydrogeology (GW)
- LCRL development and operations including stormwater, leachate and LFG management

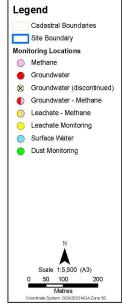
Reviewed historic LCRL data and reports prepared by CQG and others

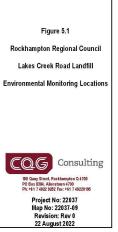












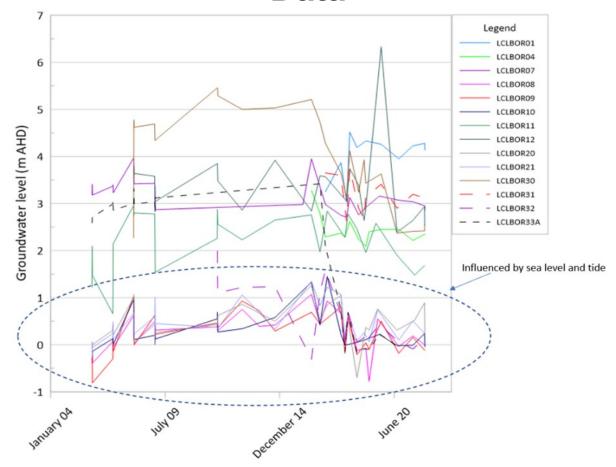


Groundwater (GW) Data Overview

- GW common contaminant pathway at landfills
- Historic data does not indicate a GW contamination plume at LCRL, but gaps in data identified
- Onsite bores do not interact with basement aquifer no need for such a bore identified
- South-west bores influenced by tides difficult to interpret GW data – some risk leachate could mobilise from low elevation unlined sections of LCRL as tidal waters raise GW



All-Time Series Groundwater Level Monitoring Data

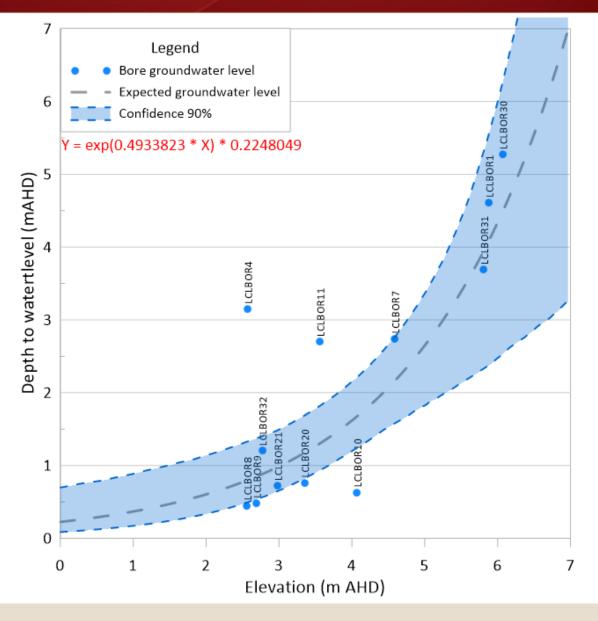




GW Data Gaps

- Potential interaction between leachate, surface water (incl Frenchman's Creek) and GW – correlation of parameters required / additional bores required in network
- Historic understanding that GW flows to south-west, however, current network gaps to north, north-east and west additional bores required in network
- Hydraulic conductivity has been estimated based on assumed aquifer – additional understanding of bores required





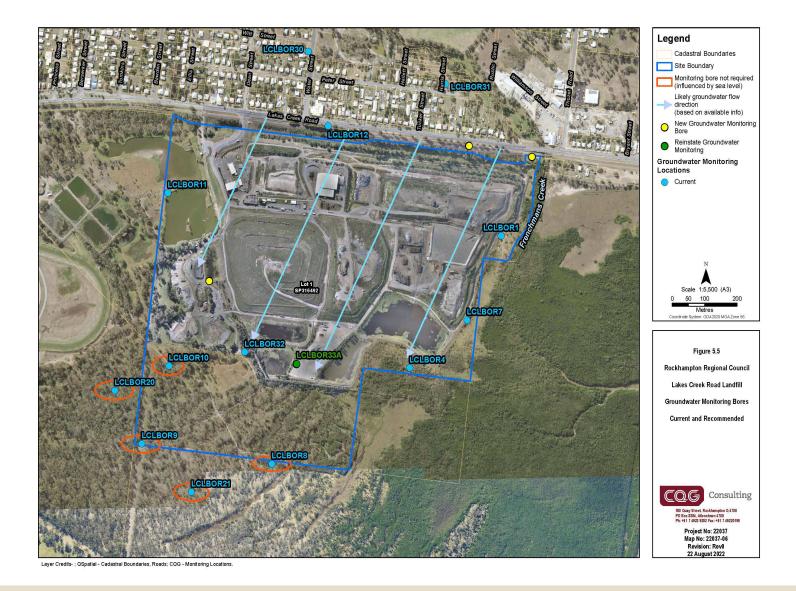
Groundwater level vs ground surface LCRL



GW Monitoring Recommendations

- Align parameters with leachate including adding formaldehyde to GW suite and major ions to the leachate suite
- Consider adding PFAS across all water monitoring suites (noting PFAS NEMP current V2 and upcoming V3 recommendations)
- Reduce number of tidally influenced GW bores in south-west from full suite of analysis (retain insitu analysis)
- Install three new GW bores (with two upgradient and one of these adjacent to Frenchman's Creek) and recommence sampling of an existing downstream bore (requires repair / replacement)
- Once bores installed collect consistent contextual data (i.e., survey elevations, hydraulic conductivity testing and camera inspection of stratigraphy and screen location)







Surface Water (SW) Data Overview

- No release of SW from LCRL ponds since 2017 due to improved site management
- No data downstream of C&D waste area (Pond F)
- Limited data on water quality in receiving environment (Frenchman's Creek and Fitzroy River)



SW Data Gaps & Recommendations

- Align parameters with leachate including adding formaldehyde to SW suite and major ions to the leachate suite
- Add Pond F (and discharge when possible) to SW monitoring locations
- Contractor to implement sediment and erosion controls (and an acid sulfate soil management plan if excavating below 5 mAHD) and associated monitoring during construction of new cells



Landfill Gas (LFG) Data Overview

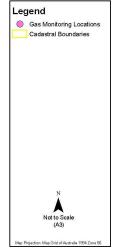
- Monitoring conducted onsite in building, services pits and at boundaries, but no dedicated LFG monitoring wells
- Gas levels in service pits found to exceed standards at times
- Migration pathways for LFG are likely associated with more permeable geological structures and below ground services
- Nearby creeks and Fitzroy River present natural barriers to gas migration



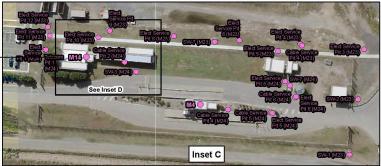
















LFG Data gaps

- Limited data for methane in GW and no volatile organic compound (VOC) data for gas
- No data on potential migration towards residents on Lakes Creek Road
- Monitoring for gases has not been conducted under a worst-case barometric pressure



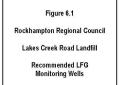
LFG monitoring recommendations

- Install four dedicated LFG monitoring bores on the northern side of LCRL > 20 m from buried waste area and include in quarterly monitoring (noting worst case barometric pressure over sampling event)
- Conduct methane monitoring in GW
- Monitor VOCs within enclosed structures / buildings











Project No: 22037 Map No: 22037-13 Revision: Rev 0 22 August 2022 a /ells



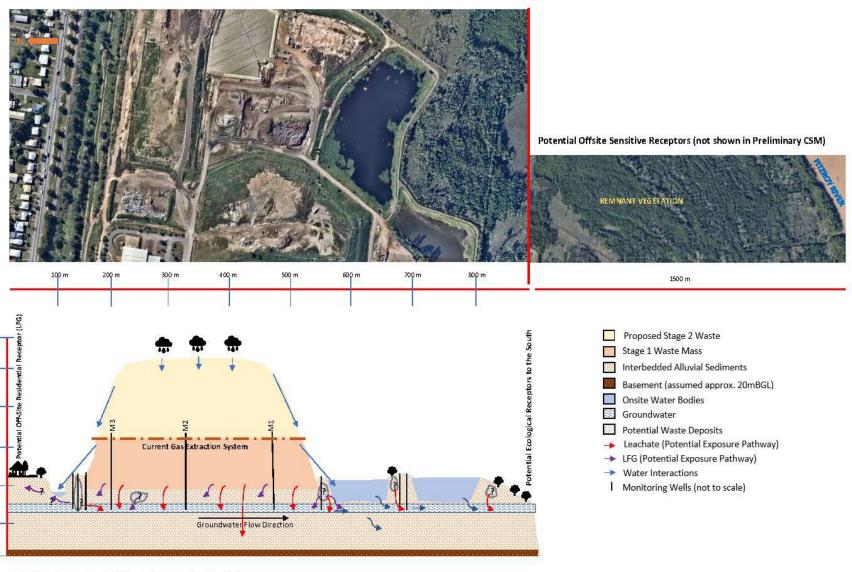
Ecology & other

- Receiving environment includes mangrove communities, watercourses and wetlands that flow to Fitzroy River which discharges into the Great Barrier Reef Marine Park – impacts on vegetation health from LCRL over a period of time is unknown
- Blue green algae has been detected in ponds in the past post dry conditions
- Greenwaste could introduce weed seeds and pests
- Extent of waste burial onsite relies on historic records



Ecology & other monitoring recommendations

- Undertake a review of historical aerial imagery of vegetation surrounding LCRL
- Conduct visual monitoring for dieback of mangroves every five years, if detected conduct an investigation
- Consider ecological values in the selection of new bore locations
- Where buried waste onsite is detected record findings
- Manage blue green algae onsite if detected and implement measures to ensure risk to human exposure is avoided



Note: Offsite bores not included. Bores to be removed not included. **Not to scale**

Conceptual Site Model (CSM)





Scale 1:5,000 (A3)
0 50 100 200

Metres
Coordnate System: GDA0203 MGA Zone 56



Layer Credits- Esri, HERE, Garmin, (c) OpenStreetMap contributors, Esri, HERE, Garmin, (c) OpenStreetMap contributors, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community; QSpatial - Cadastral Boundaries, Roads.



Limitations

This presentation has been prepared for the use of the client, Rockhampton Regional Council, for the purpose of this commission only.

CQG takes no responsibility and disclaims all liability for any loss or damage that any party may suffer because of using or relying on any such information or recommendations contained in this presentation.

To the maximum extent permitted by law CQG expressly disclaims responsibility for or liability arising from:

Any error in, or omission in connection with assumptions, or reliance on the presentation. by a third party or use of the report other than for the purpose stated.

The presentation relates only to the project described herein and must be reviewed by a competent expert before being used for any other purpose. CQG accepts no responsibility for other use of the data.

This presentation does not provide a complete assessment of the environmental status of the Site but is limited to the scope defined herein.

It is the reader's responsibility to verify the correct interpretation and intention of the recommendations presented herein. CQG assumes no responsibility for misunderstandings or improper interpretations that result in unsatisfactory or unsafe work products. It is the reader's further responsibility to acquire copies of any supplementary reports, addenda or responses to public agency reviews that may supersede recommendations in this presentation.

This presentation does not is comprise a Detailed Site Investigation, hydrogeological report, validation report, remediation action plan, environmental or waste audit, sampling of stygofauna or any ecological surveys. No geotechnical information was reviewed in the preparation of this presentation.

M: +61 7 4922 9252

W: www.cqgroup.com.au

