JOHNSON Kath

From:

SADEGH-VAZIRI Mehran

Sent:

Wednesday, 5 June 2019 2:55 PM

To:

O'NEILL Gail; Division 14

Cc:

PAOLINI Rob; ROBERTS Tim; MCDONOUGH Grant; DOYLE Michael

Subject:

RE: Water inundation from GCCC land to 17 Larentia St Currumbin Waters.

Dear Councillor O'Neil,

As you may be aware, GCW had already carried out numerous investigations to detect leakage in their infrastructure in the subject area and following my request GCW is carrying out further investigations and I trust that you will be notified of the outcome of the investigation in a near future. However, as you are aware, our section has completed our investigation and the owner has been notified of the outcome accordingly.

Kind regards

Mehran Sadegh–Vaxiri

CPEng, RPEQ, NER

Supervisor Development Compliance (Building)

City Development City of Gold Coast

T: 5582 8119 F: 5582 8080

PO Box 5042 Gold Coast Mail Centre Qld 9729

cityofgoldcoast.com.au

CITY OF

GOLDCOAST.

Please ensure your use of the above information complies with the Information Privacy Act 2009.

From: PAOLINI Rob

Sent: Wednesday, 5 June 2019 2:39 PM

To: SADEGH-VAZIRI Mehran

Subject: RE: Water inundation from GCCC land to 17 Larentia St Currumbin Waters.

Hi Mehran,

As an update in relation to this matter, Water & Waste have engaged Lamberts to complete further leak detection investigations in addition to our leak detection.

Further excavations and water testing will be carried out over the next couple of days.

Regards,

Rob

Robert Paolini

Senior Asset Project Officer Network Reliability – Water and Waste City of Gold Coast

T: 5582 8108 M: 0439 226 011

PO Box 5042 Gold Coast Mail Centre Qld 9729 cityofgoldcoast.com.au

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GOLDCOAST.

From: SADEGH-VAZIRI Mehran Sent: Friday, 31 May 2019 2:47 PM

To: PAOLINI Rob

Subject: RE: Water inundation from GCCC land to 17 Larentia St Currumbin Waters.

Hi Rob,

Thank you for the information. I think Councillor O'Neil has all the attached information as well, but it appears that the resident is still believing that there is a leak that has not been detected. I am in the office and if required you may call me on my mobile 0414 180 223.

Kind regards

Mehran Sadegh-Vaxiri

CPEng, RPEQ, NER

Supervisor Development Compliance (Building)

City Development City of Gold Coast

T: 5582 8119 F: 5582 8080

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GOLDCOAST.

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From: PAOLINI Rob

Sent: Friday, 31 May 2019 2:03 PM **To:** SADEGH-VAZIRI Mehran

Subject: RE: Water inundation from GCCC land to 17 Larentia St Currumbin Waters.

Hi Mehran,

Please find attached the work order in relation to water & wastes comprehensive investigation of the proposed leak at 17 Larentia St.

Not sure if this information can be distributed, but it appears to be ground water following a lab test of the water found on site.

Have a review of the attached and we can discuss next week, I will be on leave until Wednesday 5 June.

Regards,

Rob

Robert Paolini

Senior Asset Project Officer Network Reliability – Water and Waste City of Gold Coast

T: 5582 8108 M: 0439 226 011 PO Box 5042 Gold Coast Mail Centre Qld 9729

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CITY OF GOLDCOAST.

From: SADEGH-VAZIRI Mehran **Sent:** Friday, 31 May 2019 10:42 AM **To:** PAOLINI Rob; ROBERTS Martin

Cc: PEARSON Nathan; O'NEILL Gail; MCDONOUGH Grant; DOYLE Michael; SFAHANI Mimo; SULLIVAN Mark

Subject: FW: Water inundation from GCCC land to 17 Larentia St Currumbin Waters.

Hi Rob,

Following our telephone conversation, Please note the email trail.

Ms Suzanne McLeod believes that Councils Main Potable Water Pipe in front of her property leaks and has caused dampness in the under building basement at the subject location. Could you please arrange for a thorough investigation in accordance with your procedures if possible and advised her of the outcome accordingly.

Hi Tim,

Please note the email below from Ms McLeod below and my response. Our section has carried out an investigation and found out that there is no issues under our jurisdiction to help Ms McLeod. Now, in her email, Ms McLeod suggests that "the stagnant water is now a health-hazard with increased mosquito…".

Could you please arrange for an investigation and taking appropriate action accordingly. During the meeting with Ms McLeod and Councillor O'Neil, I recommended Ms McLeod that a spoon drain at the toe of the excavated basement and discharging the collected seepage water to a rubble pit will help her in decreasing water in her basement.

Kind regards

Mehran Sadegh – Vaxiri

CPEng, RPEQ, NER

Supervisor Development Compliance (Building)

City Development City of Gold Coast

T: 5582 8119 F: 5582 8080

PO Box 5042 Gold Coast Mail Centre Qld 9729

cityofgoldcoast.com.au

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GOLDCOAST.

Please ensure your use of the above information complies with the Information Privacy Act 2009.

From: SADEGH-VAZIRI Mehran Sent: Friday, 31 May 2019 10:24 AM

To: 'Suzanne McLeod'

Subject: RE: Water inundation from GCCC land to 17 Larentia St Currumbin Waters.

Dear Ms McLeod,

Thank you for your email dated 31/05/2019. My staff and I were pleased to meet you during the meeting on 29/05/2019 in Councillor O'Neil's Office at Tugun and tried to provide the most appropriate customer service possible to you.

Please be advised that I do not believe that Councillor's referral to our section was not useful and "the meeting didn't meet the objective...". In my opinion, the meeting was quite useful because you need to eliminate any possibilities that has caused dampness in the under building basement at your property and consequently during the meeting you found out that one possibility related the requirements of the Local Government Act that our section is partly responsible for it was eliminated.

Following our meeting discussion, I contacted Gold Coast Water (GCW) and referred the matter to the relevant section of GCW. I have no doubts that GCW will carry out further investigation and you will be advised of the outcome accordingly. As I remember from our meeting Councillor O'Neil will also contact GCW for the same matter.

I understood that our responsible officer for the case, Mr Mark Sullivan, has issued a letter to you and among other things, he has recommended that you seek private expert advice to find out the reasons for dampness in the basement of your property. I recommend that after GCW investigation and their possible action if such action by GCW will not achieve in a positive result, you need to seek private expert advice.

I hope the above is of some assistance to you.

Kind regards

Mehran Sadegh - Vaxiri CPEng, RPEQ, NER

Supervisor Development Compliance (Building)

City Development City of Gold Coast

T: 5582 8119 F: 5582 8080

PO Box 5042 Gold Coast Mail Centre Qld 9729

cityofgoldcoast.com.au

CITY OF

GOLDCOAST.

Please ensure your use of the above information complies with the Information Privacy Act 2009.

From: Suzanne McLeod [mailto:skmcleod@hotmail.com]

Sent: Thursday, 30 May 2019 10:17 AM

To: SADEGH-VAZIRI Mehran

Subject: Water inundation from GCCC land to 17 Larentia St Currumbin Waters.

This email originates from outside of the City of Gold Coast. If suspicious send it to spam@goldcoast.qld.gov.au

From: Suzanne McLeod

Sent: Thursday, 30 May 2019 12:12 AM

To: Cr Gail O'Neill; Thomas

Cc: mvaziri@goldcoast.quld.gov.au; devcom_operational@goldcoast

Subject: Water inundation from GCCC land to 17 Larentia St Currumbin Waters.

Dear Gail and Thomas

Thank you for meeting with me to discuss the above problem.

From my perspective, and no doubt others, the meeting didn't meet the objective of a solution to the above issue.

I wasn't advised that three GCCC staff would be attending, to be told would have been beneficial because Mark Sullivan, Development Compliance, had already visited my site and told me "they had sent the wrong department to my home."

I am including GCCC staff in this email.

As it transpired, after a 30 minute meeting, the GCCC staff attending could see the problem of water inundation from GCCC land onto the above was not their department.

Outcome from the meeting: Mehran Sadegh-Vaziri, Supervising Engineer, Planning and Environment has committed to contacting Gold Coast Water to re-investigate the above issue.

Mehran, because the stagnant water is now a health-hazard with increased mosquito, I would value your influence to have the relevant dept clear the water with a vacuum pump.

I have repeatedly requested an onsite meeting with the relevant GCCC staff with some authority, however I have had no success. I am sure all would agree this would be an efficient use of everyone's time.

I have also requested that internal communications re the above be forwarded to me.

On the 21st May, Vicki, Customer Resolution Dept, said this information would be sent, however this has not happened.

<u>Please note</u>: my lawn-mowing contractor is currently here. He is very familiar with my block/verge and said the area around the water meter is considerably wet and yet we have had no rain.

I request GCCC visit and include this in their investigations.

Gail, as always thanks for giving me the opportunity to discuss the above ongoing problem.

Regards

Suzanne McLeod

S K McLeod mob 0488 148 589 Page:

1 of 3

Batch Number: 19060604

Survey Name: Seepage - GCW&W

CITY OF GOLDCOAST.

Certificate of Analysis

Contact: Customer:

Address:

Hapsara Mahardhika

CoGC, Water & Waste, Service

Sustainability NERANG QLD 4211

W&W-SS-Environment

Time Commenced (Microbiology):

Date Reported:

Date Received:

Date Commenced:

7/06/2019

7/06/2019

7/06/2019

No. of Samples:

Cust Ref:

Comments:

Seepage address: 17 Larentia Street, Currumbin

Samples were collected as per sampling method SS.PM.2.4 (2.9.2) and at sites specified by customer.

For information on Uncertainty of Measurement, please go to http://www.goldcoast.qld.gov.au/48452.html

Key:

ND = Not detected * = Approximation only < = less than > = greater than EST = Estimated ^ = Test not covered by scope of NATA accreditation LOR = Level of Reporting NP = Not Performed

This report supersedes any previous report(s) with this reference. This document shall not be reproduced, except in full.

Authorised By

Clive Nichol Senior Scientific Officer

Your feedback is important to us, please submit your comments to scientificservices@goldcoast.qid.gov.au

NATA

Accreditation No. 2536 Accredited for compliance with ISO/IEC 17025 – Testing

Council of the City of Gold Coast Scientific Services PO Box 5042 GCMC QLD 9729 Australia Edmund Rice Drive, Southport

P 07 5581 1960 E scientificservices@goldcoast.qld.gov.au

7/06/2019

2 of 3

Batch Number: 19060604

Survey Name : Seepage - GCW&W

GOLDCOAST.

Certificate of Analysis

	Client	Sample ID:	2019010666	2019010910
	Client Samp	oling Date:	7/06/2019	7/06/2019
	Client Samp	ling Time:	1000	1010
Parameter	Units	LoR	17 Larentia Street, Currumbin	17 Larentia Street, Currumbin (under house
APHA 2320 : Alkalinity				
Alkalinity	mg CaCO3/L	2	50	86
CMM 3.2.4 : Chlorine (Colorin	neter)			
Chlorine Free	mg/L	0.05	<0.05	<0.05
Chlorine Total	mg/L	0.05	<0.05	0.05
APHA 2510 B : Conductivity (insitu)			
Conductivity	mS/cm	0.03	0.207	0.268
APHA 4500F C : Fluoride	213 22			
Fluoride	mg/L	0.1	0.4	<0.1
APHA 4500 H+ : pH (insitu)		No.		
Н		0.03	7.1	7.7
HACH 8008 / HACK 8034 : Tra	ice Metals by			
Iron (HACH)	mg/L	0.1	0.2	1.6
Manganese (HACH)	mg/L	0.1	<0.1	3.1
CMM 7.1.3 / CMM 7.2.1 / CMM Nutrients by Spectrophotome		ble		
Ammonia Nitrogen	mg/L	0.1	<0.1	<0.1
Nitrate Nitrogen (HACH)	mg/L	0.6	<0.6	<0.6
^ Orthophosphate Phosphorus	mg/L	0.4	1.2	<0.4

Council of the City of Gold Coast Scientific Services PO Box 5042 GCMC QLD 9729 Australia Edmund Rice Drive, Southport

P 07 5581 1960 E scientificservices@goldcoast.qld.gov.au

7/06/2019

Page:

Batch Number: 19060604

Survey Name : Seepage - GCW&W

GOLDCOAST.

Certificate of Analysis

Client S	ample ID:	2019010666	2019010910
Client Samp	ling Date:	7/06/2019	7/06/2019
Client Sampl	ing Time:	1000	1010
Units	LoR	17 Larentia Street, Currumbin	17 Larentia Street, Currumbin (under house)
ics (GCMS)			
mg/L	0.005	<0.005	<0.005
mg/L	0.005	<0.005	<0.005
mg/L	0.005	<0.005	<0.005
mg/L	0.005	<0.005	<0.005
mg/L	0.005	<0.005	<0.005
	Client Samp Client Sampl Units ics (GCMS) mg/L mg/L mg/L	mg/L 0.005 mg/L	Client Sampling Date: 7/06/2019

JOHNSON Kath

From:

MAHARDHIKA Hapsara

Sent:

Monday, 10 June 2019 10:41 AM

To:

RANKIN Tony

Cc:

SHRESTHA Roshani; CATTERALL Kylie

Subject:

TRACKS-#73652886-v1-SEEPAGE_REPORT_17

_LARENTIA_STREET__CURRUMBIN_.XLSX

Attachments:

TRACKS-#73652886-v1-SEEPAGE_REPORT_17

_LARENTIA_STREET__CURRUMBIN_.XLSX

Hi Tony

The seepages at 17 Larentia Street, Currumbin Water are unlikely to be potable water. The seepages are likely to be from a natural source i.e. groundwater, stormwater, etc. Product Quality team has been consulted on 10/6/19.

Please see below the interpretation of the results:

17 Larentia Street (sample taken from the street)

- Free Chlorine value is lower than the typical quality of potable water of 0.49 mg/L.
- Fluoride value is 0.4mg/L which is within the typical quality of potable water of 0.8 mg/L.
- Iron value is 0.2mg/L which is higher than the typical quality of potable water of 0.014 mg/L.
- Alkalinity value is 50 mg/L which is within the typical quality of potable water of 41.8 mg/L.
- Conductivity value is 0.207 mS/cm which is within the typical quality of potable water of 0.27 mS/cm.
- pH value is 7.1 which is within the typical quality of potable water of 7.4.
- Total Trihalomethanes (THM) value is lower than the typical quality of potable water of 0.085mg/L

17 Larentia Street (sample taken from underneath the house)

- Free Chlorine value is <u>lower than</u> the typical quality of potable water of 0.49 mg/L.
- Fluoride value is lower than the typical quality of potable water of 0.8 mg/L.
- Iron value is 1.6mg/L which is higher than the typical quality of potable water of 0.014 mg/L.
- Alkalinity value is 86 mg/L which is <u>higher than</u> the typical quality of potable water of 41.8 mg/L.
- Conductivity value is 0.268 mS/cm which is within the typical quality of potable water of 0.27 mS/cm.
- pH value is 7.7 which is within the typical quality of potable water of 7.4.
- Total Trihalomethanes (THM) value is lower than the typical quality of potable water of 0.085mg/L

Cheers,

Hapi

Hapsara Mahardhika

Senior Environmental Officer Water & Waste City of Gold Coast

s.88 Information Not
T: 07 5582 8217 M: Relevant Removed
PO Box 5042 Gold Coast Mail Centre Qld 9729
cityofgoldcoast.com.au

17 Larentia Street, Currumbin

And monia (as NH ₃) mg/L <0.022					Results
mg/L <0.122			7/06/2019	Commont	7/06/2019
mg/L c0.122 The value is lower than the typical quality of potable water. mg/L c0.05 The value is within the typical quality of potable water. mg/L c0.1 The value is higher than the typical quality of potable water. mg/L c0.1 The value is higher than the typical quality of potable water. mg/L c2.658 The value is within the typical quality of potable water. mg/L c0.007 The value is within the typical quality of potable water. ane mg/L c0.005 The value is within the typical quality of potable water. ane mg/L c0.005 The value is within the typical quality of potable water. ane mg/L c0.005 The value is within the typical quality of potable water. ane mg/L c0.005 The value is within the typical quality of potable water. ane mg/L c0.005 The value is lower than the typical quality of potable water. ane mg/L c0.005 The value is lower than the typical quality of potable water.			(from the street)		(underneath the house)
mg/L <0.05 The value is lower than the typical quality of potable water. mg/L <0.05 The value is within the typical quality of potable water. mg/L <0.2 The value is higher than the typical quality of potable water. mg/L <2.658 The value is within the typical quality of potable water. mg/L <0.207 The value is within the typical quality of potable water. mg/L <0.005 The value is within the typical quality of potable water. mg/L <0.005 The value is within the typical quality of potable water. mg/L <0.005 The value is within the typical quality of potable water. mg/L <0.005 The value is lower than the typical quality of potable water. mg/L <0.005 The value is lower than the typical quality of potable water. mg/L <1.2	^Ammonia (as NH ₃)	mg/L	<0.122		<0.122
mg/L<0.05The value is within the typical quality of potable water.mg/L0.2The value is higher than the typical quality of potable water.mg/L<0.1	Chlorine Free	mg/L	<0.05	The value is lower than the typical quality of potable water.	<0.05
mg/L0.4The value is within the typical quality of potable water.mg/L<0.2	Chlorine Total	mg/L	<0.05		0.05
mg/L 0.2 The value is higher than the typical quality of potable water. mg/L <0.1	Fluoride (Total)	mg/L	0.4	The value is within the typical quality of potable water.	<0.1
mg/L <0.1 <2.658 within the typical quality of potable water. mg/L 50 The value is within the typical quality of potable water. 7.1 The value is within the typical quality of potable water. mg/L <0.005	^Iron	mg/L	0.2	The value is higher than the typical quality of potable water.	1.6
mg/L <2.658 The value is within the typical quality of potable water. mS/cm 0.207 The value is within the typical quality of potable water. mS/cm 7.1 The value is within the typical quality of potable water. mg/L <0.005	^Manganese (Total)	mg/L	<0.1		3.1
mg/L 50 The value is within the typical quality of potable water. mS/cm 0.207 The value is within the typical quality of potable water. mg/L <0.005	^Nitrate as (NO ₃)	mg/L	<2.658		<2.658
mS/cm 0.207 The value is within the typical quality of potable water. mg/L <0.005	Alkalinity	mg/L	50	The value is within the typical quality of potable water.	98
mg/L <0.005 The value is within the typical quality of potable water. mg/L <0.005	Conductivity	mS/cm	0.207	The value is within the typical quality of potable water.	0.268
mg/L <0.005 mg/L <0.005	Hd		7.1	The value is within the typical quality of potable water.	7.7
mg/L <0.005 mg/L <0.005	Bromodichloromethane	mg/L	<0.005		<0.005
mg/L <0.005 mg/L <0.005 The value is lower than the typical quality of potable water. mg/L 1.2	Bromoform	mg/L	<0.005		<0.005
mg/L <0.005 The value is lower than the typical quality of potable water. mg/L 1.2	Chloroform	mg/L	<0.005		<0.005
mg/L <0.005 The value is lower than the typical quality of potable water. mg/L 1.2	Dibromochloromethane	mg/L	<0.005		<0.005
mg/L 1.2	Total Trihalomethanes	mg/L	<0.005	The value is lower than the typical quality of potable water.	<0.005
	*Orthophoshate phosphorous		1.2		<0.4

^ = test not covered by scope of NATA accrediation

Note: The results indicate that the source of seepage is unlikely to be potable water. The seepage is likely from a natural source i.e. groundwater, stormwa



		Water q	Water quality - potable water	able water	
Commont					
	Mean	Median	Minimum	Maximum	95%ile
	0.012	600'0	> 0.006	0.041	> 0.006
The value is lower than the typical quality of potable water.	0.49	0.47	< 0.05	1.8	1.1
The value is lower than the typical quality of potable water.	0.78	0.8	0.3	6.0	0.9
The value is higher than the typical quality of potable water.	0.014	< 0.01	< 0.01	0.13	0.05
The value is higher than the typical quality of potable water.	0.0021	0.001	< 0.001	0.16	0.007
	0.34	0.24	0.015	2.4	0.887
The value is higher than the typical quality of potable water.	41.8	40	30	61	54
The value is within the typical quality of potable water.	0.277	0.27	0.149	0.525	0.406
The value is within the typical quality of potable water.	7.47	7.4	6.5	9.2	7.9
The value is lower than the typical quality of potable water.	0.085	0.084	0.034	0.15	0.133

iter, etc. Product quality team has been consulted on 10/6/19.

Ammonia ı Coversion 7/06/2019 0.1 1.22 7/06/2019 0.1 1.22 Interconverting Nitrate as Nitrate (Nitrate-NO3) and Nitrate as Nitroger

The atomic weight of nitrogen is 14.0067 and the molar mass of nitrate 62.0049 g/mole

Therefore, to convert Nitrate-NO3 (mg/L) to Nitrate-N (mg/L):

Nitrate-N (mg/L) = 0.2259 x Nitrate-NO3 (mg/L)

And to convert Nitrate-N (mg/L) to Nitrate-NO3 (mg/L):

Nitrate-NO3 (mg/L) = 4.4268 x Nitrate-N (mg/L)

Intercoverting Ammonia Nitrogen to Ammonia (

Ammonia Nitrogen = 0.8333 x Ammonia (as NH3)
Ammonia (as NH3) = 1.22 x Ammonia Nitrogen

 Ammonia Intrate nitronomia (Notate as (No.))
 Nitrate as (No.)

 0.122
 0.6
 4.43
 2.658

 0.122
 0.6
 4.43
 2.658

n (Nitrate-N)

e anion (NO₃) is

as NH3)

JOHNSON Kath

From:

TAYLOR Pega

Sent:

Tuesday, 18 June 2019 5:28 PM

To:

RICE Christopher; PARKINSON Michael; ORGAN Daniel; MARTIN Allan

Subject:

Meter replaced - 17 LARENTIA STREET, CURRUMBIN WATERS

Hi team

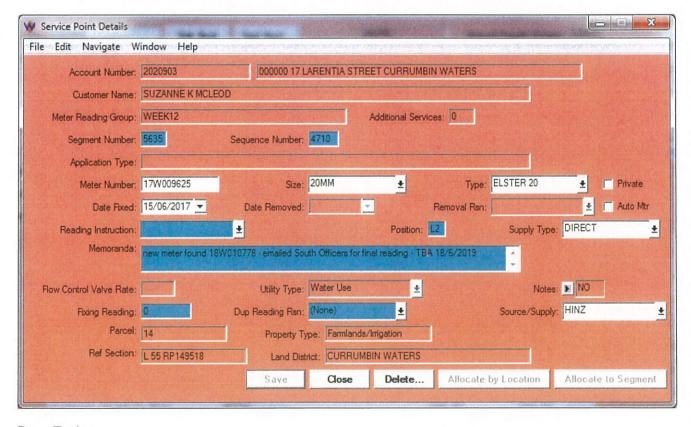
Can you please advise what the final reading was at this property.

We have found that the meter has been replaced with 18W010778 – need to know when and final reading of the old meter 17W009625.

I see that there has been a SAP job but could not find details so that I can update our records.

Please let know if you need more details

Your assistance is much appreciated.



Pega Taylor

Meter Billing Officer Water Meter Reading City of Gold Coast

T: (07) 5581 7834 **F**: (07) 5581 6928

PO Box 5042 Gold Coast Mail Centre Qld 9726

cityofgoldcoast.com.au

JOHNSON Kath

From:

PARKINSON Michael

Sent:

Wednesday, 19 June 2019 6:45 AM

To:

TAYLOR Pega Smart GCW

Cc: Subject:

RE: Meter replaced - 17 LARENTIA STREET, CURRUMBIN WATERS

Attachments:

meter replace.pdf

Follow Up Flag:

Follow up

Flag Status:

Flagged

Sorry Pega.

These where in my colleagues in tray and he's on annual leave.

Many Thanks.

Mike Parkinson

Works Officer south Civil Maintenance/Construction Water and Waste City of Gold Coast

s.88 Information Not T: 07 5581 8167 M: Relevant Removed PO Box 5042 Gold Coast Mail Centre Qld 9729 cityofgoldcoast.com.au

CITY OF

GOLDCOAST.

From: TAYLOR Pega

Sent: Tuesday, 18 June 2019 5:28 PM

To: RICE Christopher; PARKINSON Michael; ORGAN Daniel; MARTIN Allan **Subject:** Meter replaced - 17 LARENTIA STREET, CURRUMBIN WATERS

Hi team

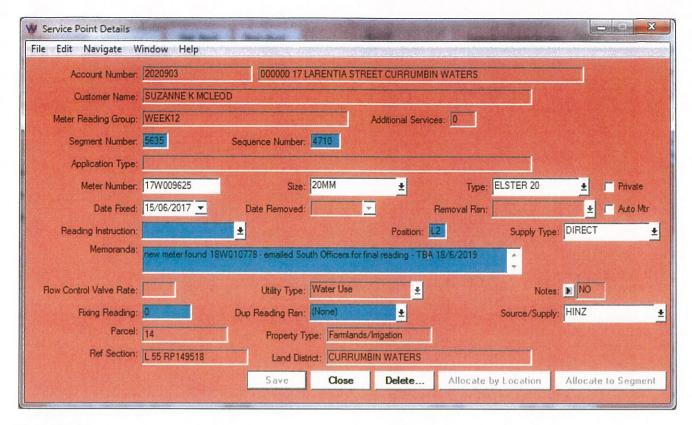
Can you please advise what the final reading was at this property.

We have found that the meter has been replaced with 18W010778 – need to know when and final reading of the old meter 17W009625.

I see that there has been a SAP job but could not find details so that I can update our records.

Please let know if you need more details

Your assistance is much appreciated.



Pega Taylor

Meter Billing Officer Water Meter Reading City of Gold Coast

T: (07) 5581 7834 F: (07) 5581 6928 PO Box 5042 Gold Coast Mail Centre Qld 9726 cityofgoldcoast.com.au



GOLDCOAST.

House/ Let N	o: <u>17</u>	er mair	RENTIA	ST		E mail@	Gold Coast Water 042 GCMC Qld 9729 P 1300 GOLDCOAST goldcoast.qld.gov.au tyofgoldcoast.com.au
	-			IN WAT	ERS		40001
Meter Location	702/0	RH Block	\square	LH Block	CTR Block	K	
Distance fron	n Boundary:		metres				
Meter	Size	Make	Model	Meter number	Meter reading	KL/Gal-	Date
Removed	20mm	ELSTER	17W	009625	52,30	KIL	5/6/19
Meter	Size	Make	Model	Meter number	Meter reading	KL/Gat	Date
Installed	20mm	CLSTER.	18W	010778	0	KIL	5/6/19
Significant	digits:		5	Insignificant digit	s: 3		
New Instal	lation	Comments: wa	TOR Poolin	G IN FRONT	O- CSABY	ustomer /	TUROMAGE
Disconnec	tion	COUNCIL PR	oblem - G.	C.W HAS 1	NUESTIGATE	LENORS Q	Think on
Additional	Meter			AIN -OTHOR			
Replace M	leter	RESORT TE	see it	meter was	FAULTY.		
Temporary	Meter Service	-			,		
Officer's Nam	e:	N' Thuklac (please print)	U Sig	gned: M. S	urloeu		Date: 5/6/19



:61137

Customer request summary

Print date: 3/09/2019 8:56 AM

Request details

Request number:

361137

Date entered:

29 May 2019 10:22 AM

Date received:

29 May 2019 10:22 AM

Request type code:

CR07 - Water and Waste

Receiving officer:

DIV14 - Division fourteen

Responsible officer:

DIRGCW - Director, Gold Coast Water and Waste

Actioning officer:

DIV14 - Division fourteen

Contact method:

CR - Councillor initiated

Customer type:

CLR - Councillor

Request status:

ACT - Actioned / Completed

Completion date: 3 September 2019 8:55 AM

Noted.

Date responded:

30 May 2019 12:00 AM

Time taken: 1 Days

Due date: 3 July 2019 10:22 AM

Priority:

Available to public:

No

Module links (if applicable)

Customer name:

Mrs Suzanne McLeodCouncillor O'Neill Division Fourteen

Councillor name:

Councillor O'Neill Division Fourteen

Division (ward):

Division 14

Property location of request:

17 Larentia Street, CURRUMBIN WATERS QLD 4223

Infringement number:

Street/suburb location:

Rate assessment:

Application:

Licence:

Notes (if applicable)

Note date and time: 3 September 2019 8:55 AM

Noted by:

DIV14 - Division fourteen

38629 - Priya SINGH

Note type:

Note type:

6-COMRES - Completion / resolution note

Note:

Note:

Note date and time: 29 May 2019 2:14 PM

1-LODGEACT - Lodgement / action note

Water and Waste have undertaken extensive leak detection at 17 Larentia Street, Currumbin Waters. No water leaks have been found which would contribute to the pooling of water. A sample of the water was tested by the lab which indicated that the source of the seepage is likely to be from a natural source i.e. stormwater, groundwater, etc. Refer to iSpot# 73416477 for the lab report. To understand the report, you will notice that Chlorine and Total Trihalomethanes (THM) were not detected which is

Noted by:

an indicator that the sample tested is not potable water.

Below is a summary of the works carried out by WW (SAP work order 20505198)

16/04/2019 - Water leak reported. Leak detection found leak at 19.

24/4/2019 - Leak repaired at 19, 17 notified.

29/4/2019 - Further leak detection - no leak found.

s.88 Information Not Relevant Removed

Customer request summary - request number: 361137

Page 1 of 2

s.88 Information Not Relevant Removed

s.88 Information Not Relevant Removed

3/05/2019 - Programmed Maintenance (WW) conducted further leak detection. Confirmed no leaks in the area.

8/5/2019 - Water sample tested which indicated possible groundwater. 14/5/2019 - Lambert Locations (external leak detection) found no leaks.

A possible reason for pooling is due to poor drainage in the yard. A suggestion is to have Plumbing and Drainage investigate the matter.

Note date and time: 29 May 2019 2:14 PM

Noted by:

38629 - Priva SINGH

Note type: Note:

1-LODGEACT - Lodgement / action note

Water and Waste have undertaken extensive leak detection at 17 Larentia Street, Currumbin Waters. No leaks have been found which would contribute to the pooling of water. A sample of the water was tested by the lab which indicated that the source of the seepage is likely to be from a natural source i.e. stormwater, groundwater, etc. Refer to iSpot# 73416477 for the lab report. To understand the report, you will notice that Chlorine and Total Trihalomethanes (THM) were not detected which is an indicator that the sample tested is not potable water.

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s.88 Information Not Relevant Removed

s.88 Information Not

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Note date and time: 29 May 2019 10:22 AM

Noted by:

DIV14 - Division fourteen

Note type: Note:

1-LODGEACT - Lodgement / action note

Cr O'Neill requests Gold Coast Water investigate pooling of water on resident Suzanne McLeod's property 17 Larentia Street, Currumbin Waters 0488 148 589. Original Councillor Request #354772 was referred to Development Compliance. Cr O'Neill met with Development Complaince and the

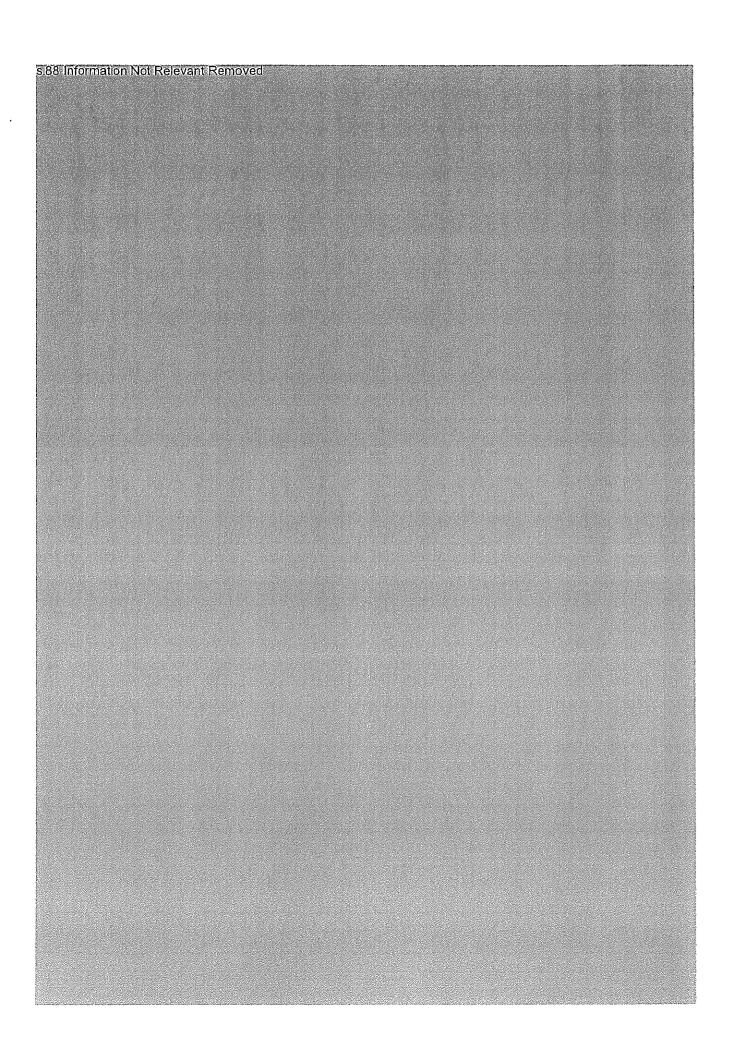
Councillor can be contacted for more information on x7315. Emma x7436

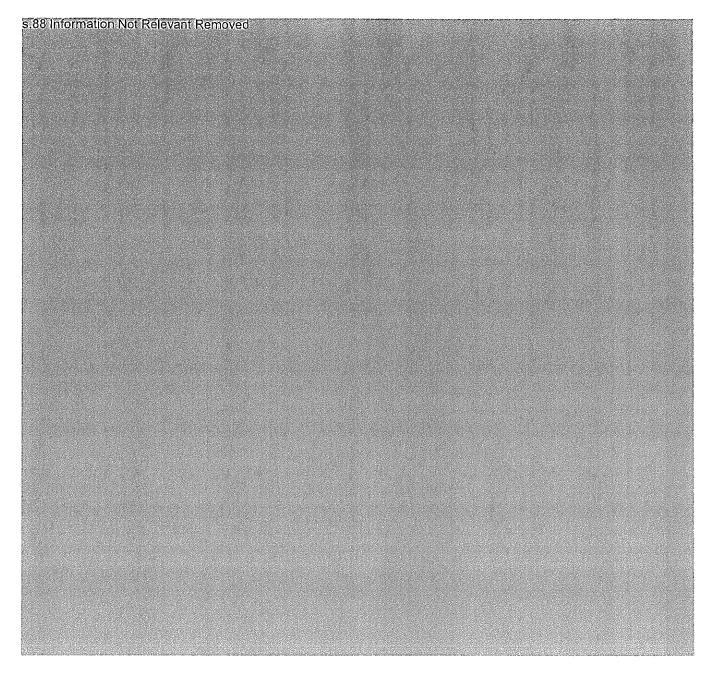
Questionnaires (if applicable)

1. Please select the relevant request type

Other

References (if applicable)





Work Order 20535423 04.09.2019

Complaint Water leak
04.09.2019 13:31:04 AUSQLD Grant Davis (46025)
Previous noti 1000571821

Due to recent work diverting the water flow and new information. Looking to meet face to face onsite with GCW staff onsite for mains test in street.

A static tater test by isolating her property the downstream properties of the isolation.

Mobile status set to RECEIVED by user 39760 on 05-09-2019 06:50:45

Mobile status set to TRAVEL by user 39760 on 05-09-2019 07:46:34 for operation 0010

Mobile status set to START by user 39760 on 05-09-2019 11:40:14 for operation 0010

Mobile status set to HOLD by user 39760 on 05-09-2019 13:02:20 for operation 0010

Reason - FIRD - Further Investigation R

Created from Mobile by 39760 on 05/09/2019 13:03:01

Requested new lab sample with Hapi attending today.

Met plumber onsite, discussed our attempts at stopping water so far.

Explained a leak had recently been repaired and the 63mm od main extension is being replaced to rule out any further issues in the area.

Will wait on lab results and have further communication with supervisors.

Created from Mobile by 39760 on 16/09/2019 10:57:24

Plumber was advised of lab results stating not potable water. Lab advised plumber to check for leaks with pool owners in area. He is now talking of legal action and wants a static test of the water main conducted under his supervision.

Supervisor and Works Officers informed of these details and waiting advice on future directions.

Mobile status set to START by user 39760 on 31-10-2019 07:39:30 for operation 0010

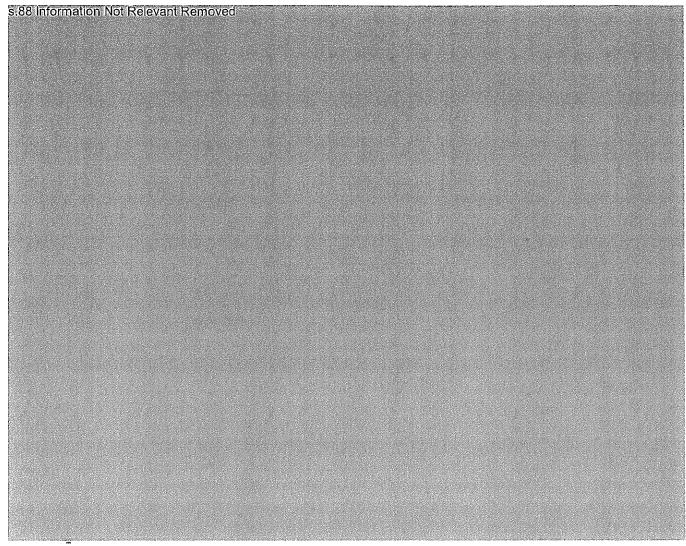
Mobile status set to COMPLETED by user 39760 on 31-10-2019 07:42:07 for operation 0010

Created from Mobile by 39760 on 31/10/2019 07:44:39

This workorder has been duplicated again with 20546280, Spencer Stacey and Jarryd have resumed Works in the area.

Work Order 20505198 - this is carried on from the W/O Priya forwarded previously

s.88 Info	ormation Not	Relevant R	emoved				



Contacted resident, Suzanne twice, left messages both times as no answer straight to message bank, stating we would be back on site tomorrow to inspect and determine corse of action.

Meter was again changed at number 17 to rule out faulty meter in relation to any possible internal leak.

Mobile status set to START by user 46567 on 06-06-2019 10:22:59 for operation 0160

Mobile status set to START by user 34485 on 06-06-2019 10:17:11 for operation 0150

Mobile status set to HOLD by user 34485 on 06-06-2019 11:37:35 for operation 0150

Reason - OTHR - Other

Mobile status set to HOLD by user 46567 on 06-06-2019 11:39:39 for operation 0160

Reason - OTHR - Other

Mobile status set to TRAVEL by user 29838 on 06-06-2019 12:46:04 for operation 0140

Mobile status set to START by user 29838 on 06-06-2019 12:54:11 for operation 0140

Mobile status set to COMPLETED by user 29838 on 06-06-2019 13:22:05 for operation 0140 Created from Mobile by 29838 on 06/06/2019 13:22:17

Backfill job site from previous day - had to leave open for a water sample to be taken

Created from Mobile by 39760 on 06/06/2019 14:52:03

No water at point of interest. Arranged for final sample at 17 to be taken by lab and results forwarded to resident. ???

Mobile status set to START by user 39760 on 12-06-2019 07:51:24 for operation 0130

Mobile status set to COMPLETED by user 39760 on 12-06-2019 07:58:34 for operation 0130

Created from Mobile by 39760 on 12/06/2019 07:59:08

The two final lab samples have returned a result of groundwater not potable.

The results have been forwarded to the resident, Suzanne, as requested.

This was done by Mike Parkinson as agreed to and the engineer

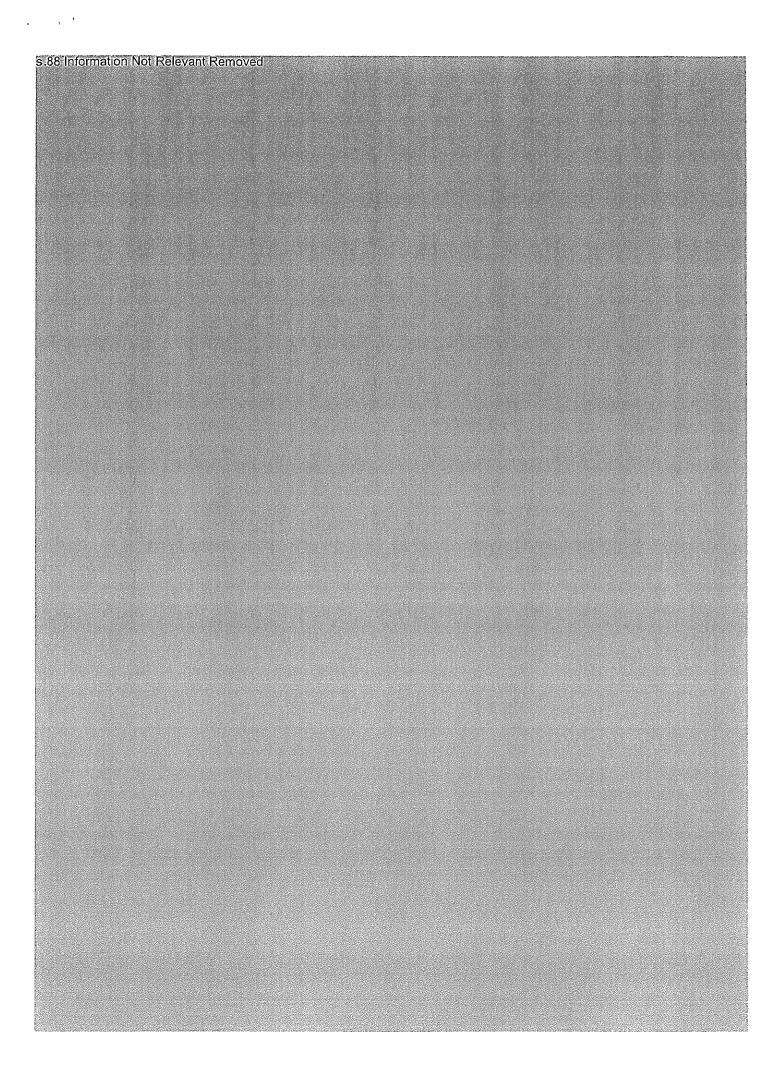
contacted as agreed, but no answer on multiple occasions. Suzanne was

also informed of this.

The resident was informed that as this was the result this would be the

end of our investigation.

Created from Mobile by 34485 on 13/06/2019 11:57:06

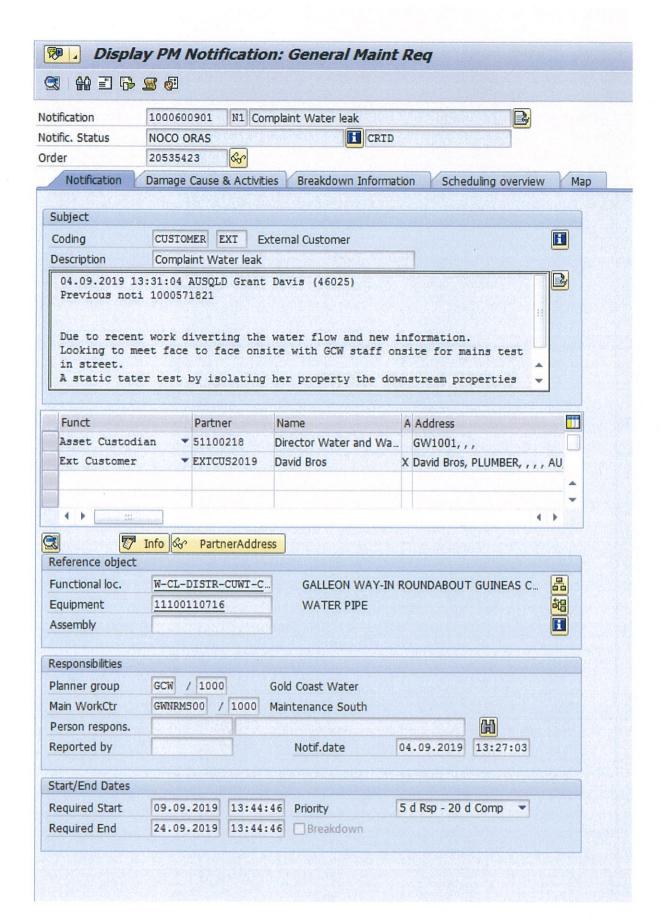


s.88 Information Not Relevant Removed		

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Home R	equest 431	288 Enquiry ×					
Close Notes S	Summary 🔎	Zoom					
i Ready.							
Request		NIBPALIUS ALT INDOORS IN EACH CONTRACTOR IN THE		DATE OF THE STREET OF THE STRE			***************************************
Request Number	431288	3					
System Date Entered	4/09/2019	1:36:10 PM	1	Service Date			
Date Received	4/09/2019	1:36:10 PM		Due date	10/10/2019 1:36:10	PM	
Request Type Code	WS14	Water services o	omplaint				
Receiving Officer	46025		Grant Davis				
Responsible Officer	CCGCW		Customer Con	tact GCW			
Actioning Officer	CCOF		Customer Con	tact Overflow			
Contact method Code	Т	Telephone					
Customer type Code	EXT	External		**************************************			
Request Status	ACT	Actioned /	Completed	. s	ystem Completion Date	31/12/2019 11:30:40 AM	
Date Responded	31/12/201	9 11:30:40 AM	Time Take	n	Days 🔻	Working Days 🔻	
NAME - Customer na PHONE - Customer p EMAIL - Customer eN APREF - SAP notifica	hone number 1ail	1000600901					
Notes	orted by Date	e and Time)					
Details 🗋 Notes	Summary						
North Control of the	Date and Time	Note Type Code	Descript	tion			
		2: 1-LODGEAC				A WORK ORDER HAS BEEN AS	SIGNED
ONUSR 1	4/01/2020 5:	02 1-LODGEAC	THE NOT	TFICATION HAS	BEEN ACTIONED AND	COMPLETED	
Modules							
1odules (All 4 records	;)						
Details 🖃 Mailing							
Customer	Customer Ser	vice Role					

04-Sep-2019 14:02:09 - SYSAC - IOn Iterface User - 1-LODGEACT THE NOTIFICATION HAS BEEN ACTIONED AND A WORK ORDER HAS BEEN ASSIGNED



Page:

1 of 2

Batch Number:

19090502

Survey Name:

Seepage - GCW&W



Certificate of Analysis

Contact:

Hapsara Mahardhika

W&W-SS-Environment

Date Received:

6/09/2019

Customer:

Date Commenced:

Time Commenced (Microbiology):

6/09/2019

Address:

CoGC, Water & Waste, Service

Sustainability

NERANG QLD 4211

Date Approved:

12/09/2019

Cust Ref:

No. of Samples:

Comments:

Seepage address: 17 Larentia Street, Currumbin Waters

Samples were collected as per sampling method SS.PM.2.4 (2.9.2) and at sites specified by customer.

For information on Uncertainty of Measurement, please go to http://www.goldcoast.qld.gov.au/48452.html

Key: ND = Not detected * = Approximation only < = less than > = greater than EST = Estimated ^ = Test not covered by scope of NATA accreditation LOR = Level of Reporting NP = Not Performed

This report supersedes any previous report(s) with this reference. This document shall not be reproduced, except in full.

Authorised By

Christine Traby Senior Scientific Officer ACCREDITATION

Accreditation No. 2536 Accredited for compliance with ISO/IEC 17025 - Testing

Your feedback is important to us, please submit your comments to scientificservices@goldcoast.qld.gov.au

Page:

Bromoform

Chloroform

Dibromochloromethane

Total Trihalomethanes

2 of 2

Batch Number: 19090502

Survey Name: Seepage - GCW&W

CITY OF GOLDCOAST.

Certificate of Analysis

	Client S	Sample ID:	2019016699
	Client Samp	oling Date:	6/09/2019
	Client Samp	ling Time:	0925
Parameter	Units	LoR	17 Larentia St. Currunbin Waters
APHA 2320 : Alkalinity			
Alkalinity	mg CaCO3/L	2	52
CMM 3.2.4 : Chlorine (Colorim	eter)		
Chlorine Free	mg/L	0.05	<0.05
Chlorine Total	mg/L	0.05	<0.05
APHA 2510 B : Conductivity (in	nsitu)		
Conductivity	mS/cm	0.03	0.222
APHA 4500F C : Fluoride			
Fluoride	mg/L	0.1	0.4
APHA 4500 H+ : pH (insitu)			
рН		0.03	6.1
HACH 8008 / HACK 8034 : Trac Spectrophotometer	ce Metals by		
^ Iron (HACH)	mg/L	0.1	1.1
^ Manganese (HACH)	mg/L	0.1	0.3
CMM 7.1.3 / CMM 7.2.1 / CMM Nutrients by Spectrophotomet		ole	
^ Ammonia Nitrogen	mg/L	0.1	0.2
^ Nitrate Nitrogen (HACH)	mg/L	0.6	1.1
^ Orthophosphate Phosphorus	mg/L	0.4	0.5
CMM 2.5.6 - Volatile Organics	(GCMS)		
Bromodichloromethane	mg/L	0.005	<0.005
	-		

0.005

0.005

0.005

0.005

mg/L

mg/L

mg/L

mg/L

< 0.005

< 0.005

<0.005

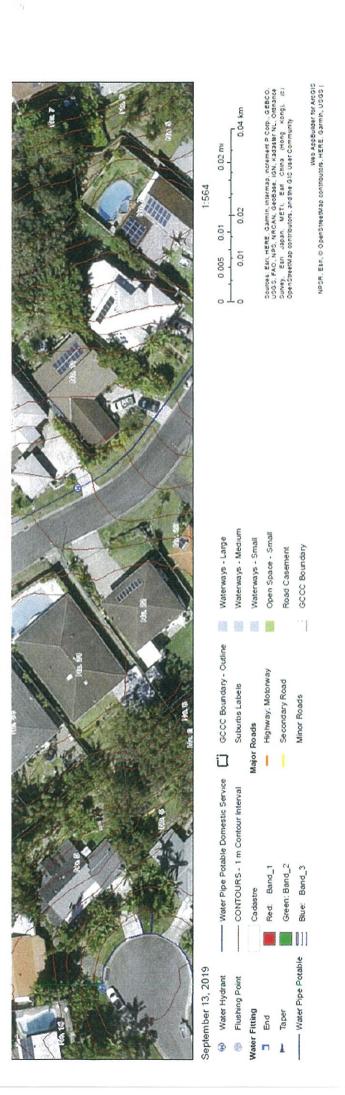
<0.005

17 Larentia Street, Currumbin Waters

	95%ile	1 < 0.006	1.1		6.0	3 0.05	200.0 9	4 0.887	1 54	5 0.406	2 7.9					5 0.133	0 99.95%	
able water	Maximum	0.041	1.8		6.0	0.13	0.16	2.4	61	0.525	9.2					0.15	10	
Water quality - potable water	Median Minimum	> 0.006	< 0.05		0.3	< 0.01	< 0.001	0.015	30	0.149	6.5					0.034	1 > 1	
Water qu	Median	0.009	0.47		0.8	< 0.01	0.001	0.24	40	0.27	7.4					0.084	\ 1	
	Mean	0.012	0.49		0.78	0.014	0.0021	0.34	41.8	0.277	7.47					0.085	^ 1	
Kesuits	6/09/2019 Comment	0.244	<0.05 The value is lower than the typical quality of potable water.	<0.05	0.4 The value is within the typical quality of potable water.	1.1 The value is higher than the typical quality of potable water.	0.3	4.873 The value is higher than the typical quality of potable water.	52 The value is within the typical quality of potable water.	0.222 The value is within the typical quality of potable water.	6.1 The value is lower than the typical quality of potable water.	<0.005	<0.005	<0.005	<0.005	<0.005 The value is lower than the typical quality of potable water.		0.5
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mS/cm		mg/L	mg/L	mg/L	mg/L	mg/L	cfu/100mL	mg/L
		Ammonia (as NH ₃)	Chlorine Free	Chlorine Total	Fluoride (Total)	Iron (Total)	Manganese (Total)	Nitrate as (NO ₃)	Alkalinity	Conductivity	Hd	Bromodichloromethane	Bromoform	Chloroform	Dibromochloromethane	Total Trihalomethanes	E.coli (Colilert) cfu	Orthophoshate phosphorous

Note: The results indicate that source of the seepage is unlikely to be potable water. The seepage is likely from a natural source i.e. groundwater, stormwater. However, there is a poll across the street that also can be the source.





Ammonia ı Coversion Ammonia ı Nitrate nitr Coversion Nitrate as (NO₃) 6/09/2019 0.2 1.22 0.244 1.1 4.43 4.873

Interconverting Nitrate as Nitrate (Nitrate-NO3) and Nitrate as Nitrogen (Nitrate-N)

The atomic weight of nitrogen is 14.0067 and the molar mass of nitrate anion (NO $_3$) is 62.0049 g/mole

Therefore, to convert Nitrate-NO3 (mg/L) to Nitrate-N (mg/L):

Nitrate-N (mg/L) = 0.2259 x Nitrate-NO3 (mg/L)

And to convert Nitrate-N (mg/L) to Nitrate-NO3 (mg/L):

Nitrate-NO3 (mg/L) = 4.4268 x Nitrate-N (mg/L)

Intercoverting Ammonia Nitrogen to Ammonia (as NH3)

Ammonia Nitrogen = 0.8333 x Ammonia (as NH3)

Ammonia (as NH3) = 1.22 x Ammonia Nitrogen

JOHNSON Kath

From:

MAHARDHIKA Hapsara

Sent:

Monday, 16 September 2019 9:26 AM

To:

RANKIN Tony

Cc:

SHRESTHA Roshani

Subject:

SEEPAGE REPORT 17 LARENTIA STREET, CURRUMBIN WATERS 6 SEPTEMBER 2019

Attachments:

TRACKS-74392382.xlsx.DRF

Hi Tony,

As discussed, the results indicate that the source is unlikely to be potable water. I have consulted the Product Quality team reading the results and confirmed that it is unlikely to be potable water. They have made a recommendation to check for any possible leak from the swimming pools located across number 17 Larentia Street, which may be the source.

Please see below the interpretation of the result:

- Total Chlorine value is lower than the typical quality of potable water of 0.47 mg/L
- Fluoride value is 0.4 mg/L which is within the typical quality of potable water of 0.8 mg/L.
- Iron value is 1.1 mg/L which is higher than the typical quality of potable water of 0.014 mg/L.
- Nitrate value is 4.873 mg/L which is higher than the typical quality of potable water of 0.34 mg/L.
- Alkalinity value is 52 mg/L which is within the typical quality of potable water of 40 mg/L.
- Conductivity value is 0.222 mS/cm which is within the typical quality of potable water of 0.27 mS/cm.
- pH value is 6.1 which is lower than the typical quality of potable water of 7.4.
- THM is not detected.

Cheers,

Нарі

Hapsara Mahardhika

Senior Environmental Officer Water & Waste City of Gold Coast

s.88 Information Not T: 07 5582 8217 M Relevant Removed PO Box 5042 Gold Coast Mail Centre Qld 9729 cityofgoldcoast.com.au

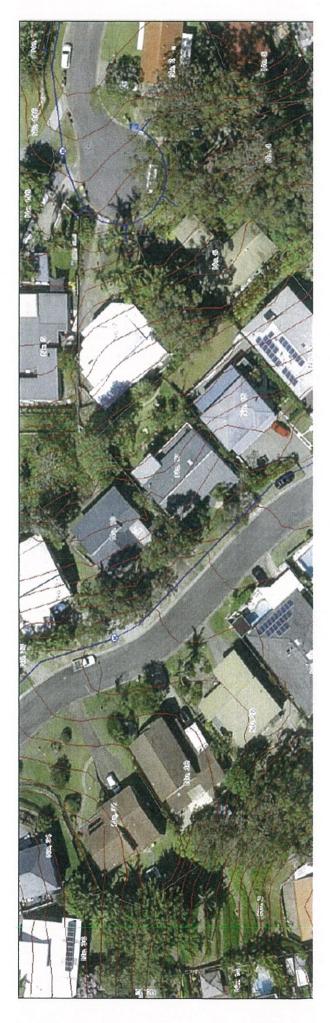
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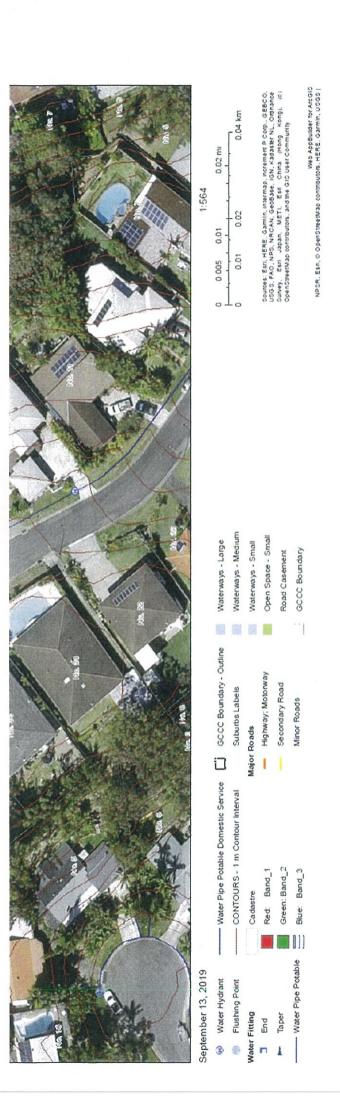
GOLDCOAST.

17 Larentia Street, Currumbin Waters

010010010
<0.05 The value is lower than the typical quality of potable water.
0.4 The value is withi
1.1 The value is higher than the typical quality of potable water.
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Ammonia i Coversion Ammonia i Nitrate nitri Coversion Nitrate as (NO₃) 6/09/2019 0.2 1.22 0.244 1.1 4.43 4.873

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And to convert Nitrate-N (mg/L) to Nitrate-NO3 (mg/L):

Nitrate-NO3 (mg/L) = 4.4268 x Nitrate-N (mg/L)

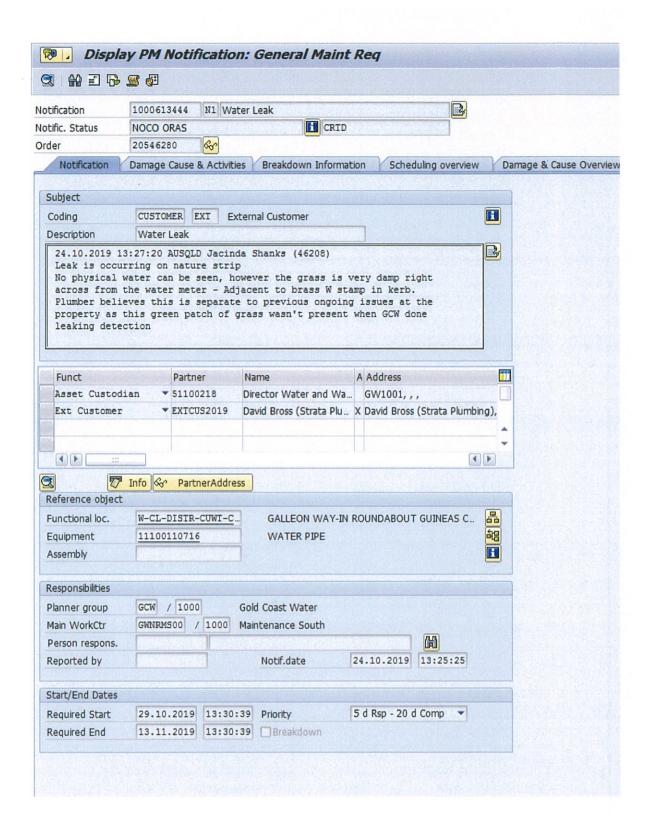
Intercoverting Ammonia Nitrogen to Ammonia (as NH3)

Ammonia Nitrogen = 0.8333 x Ammonia (as NH3)

Ammonia (as NH3) = 1.22 x Ammonia Nitrogen

	ummary 🔎 Zoo	om							
Ready.				1 2 ()					
^ Request									
Request Number	468167								
System Date Entered	24/10/2019 1:	25:03 PM	Se	ervice Date					
Date Received	24/10/2019 1:	25:03 PM		Due date	18/11/2019 1:	25:03 PM			
Request Type Code	WS01 Wa	ater leak	***************************************	***************************************	1		er-annex-commit		
Receiving Officer	46208		Jacinda SHANKS						
Responsible Officer	CCGCW		Customer Contact	GCW		***************************************	en en en		
Actioning Officer	CCOF		Customer Contact	Overflow					
Contact method Code	T Tel	ephone				***************************************			
Customer type Code	EXT Ex	ternal							
Request Status	ACT	Actioned / C	ompleted	Sy	stem Completio	n Date 1	14/01/2020 2:05:1	18 PM	
Date Responded	14/01/2020 2:	05: 18 PM	Time Taken	82	Days •	▼ Ca	lendar Days 🔻		
References	de and de De		A						
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References (All 4 reco Reference Type CNAME - Customer nam	ne								
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24-Oct-2019 14:02:25 - SYSAC - IOn Iterface User - 1-LODGEACT THE NOTIFICATION HAS BEEN ACTIONED AND A WORK ORDER HAS BEEN ASSIGNED



Home Re	equest 471239 Enquiry	×					
🔇 Close 📋 Notes S	Gummary 🔎 Zoom						
Ready.							
~ Request							
Request Number	471239						
System Date Entered	29/10/2019 1:41:48 PM	S	ervice Date				
Date Received	29/10/2019 1:41:48 PM	All the state of t	Due date 23/11/2019 1:41:48 PM				
Request Type Code	WS01 Water leak						
Receiving Officer	45610	Claire HYNDES	Claire HYNDES				
Responsible Officer	CCGCW	Customer Contact	Customer Contact GCW				
Actioning Officer	CCOF	Customer Contact	Customer Contact Overflow				
Contact method Code	T Telephone						
Customer type Code	EXT External						
Request Status	ACT Actioned	/ Completed	S	System Completion Date 14/01/2020 2:05:29 PM			
Date Responded	14/01/2020 2:05:29 PM	Time Taken	77	Days ▼	Calendar Days 🔻		
Priority	5 ▼ Date Priority L	ast Modified 29/10/20	19 1:41:48 F	M			
Available to Public	[-]						
	- Li						
^ References							
References (All 4 reco	ords sorted by Reference Num	ber)					
Reference Type	Reference	Number					
CNAME - Customer na							
CPHONE - Customer pl CEMAIL - Customer eN							
SAPREF - SAP notificat		1					
	20002100						
^ Notes							
Notes (All 2 records s	orted by Date and Time)						
Details Notes	Summary						
	Date and Note Type	e <u>.</u>					
Library Control	Time Code	Description					
	9/10/2019 2:02 1-LODGEA		THE NOTIFICATION HAS BEEN ACTIONED AND A WORK ORDER HAS BEEN ASSIGNED THE NOTIFICATION HAS BEEN ACTIONED AND COMPLETED				
IONUSR 1	4/01/2020 2:05 1-LODGEA	CT THE NOTIFIC	ATION HAS	BEEN ACTIONED AND C	OMPLETED		
^ Modules							
Modules (All 4 records Details Mailing							
Customer	Customer Service Role						
Туре	Suzanne Kathryn McLeod - smcleod@hotmail.com (Email Address)						

29-Oct-2019 14:02:43 - SYSAC - IOn Iterface User - 1-LODGEACT THE NOTIFICATION HAS BEEN ACTIONED AND A WORK ORDER HAS BEEN ASSIGNED

