

Date: 29 May 2018

Our Ref: SN885

Dear Mr [REDACTED]

### **Freedom of Information – Determination**

I refer to your Freedom of Information application dated 15 January 2018 and my determination response, dated 18 April 2018, providing documents containing dispensation by SA Heath to allow disinfected by product (DBP) levels higher than the Australian Water Drinking Guidelines to be provided to customers from the Myponga WTP during 2016/17.

Following this determination, you have indicated that SA Water had incorrectly interpreted your request and that you were seeking all documents held by SA Water concerning DBP of drinking water at Myponga, between the dates 1/7/2016 to 30/6/2017. The correct interpretation of scope was confirmed with you in an email dated 9 May 2018.

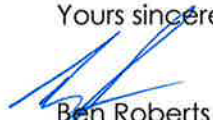
Based on this interpretation, SA Water has identified twenty eight documents (including the five documents originally provided to you) within scope of your request. Based on my assessment of these documents, I have determined to provide you with full access to ten documents and partial access to eighteen documents. Please note that documents determined for partial release have been redacted as the information does not relate to Myponga WTP water quality or DBP levels.

If you are dissatisfied with this determination, you are entitled to exercise your rights to internal review and appeal as outlined under Section 29 of the Act. To apply for an internal review you must lodge an internal review application form with SA Water within 30 days of this determination. Internal review applications can be addressed to the Principal Officer, GPO Box 1751, Adelaide SA 5001.

In accordance with the requirements of the Premier and Cabinet Circular PC045, details of your FOI application, a copy of this notice of determination, a schedule of documents and the documents to which you have been given access, will be published on the SA Water website FOI disclosure log. A copy of PC045 can be found at <http://dpc.sa.gov.au/what-we-do/services-for-government/premier-and-cabinet-circulars>. If you disagree with publication, please advise me via email at [freedomofinformation@sawater.com.au](mailto:freedomofinformation@sawater.com.au) within seven business days from the date of this determination.

If you have any queries in relation to the above, or if you wish to obtain a copy of the internal review application form, please contact me on telephone (08) 7424 1777 or via email at [freedomofinformation@sawater.com.au](mailto:freedomofinformation@sawater.com.au).

Yours sincerely



Ben Roberts

**ACCREDITED FREEDOM OF INFORMATION OFFICER**

<b>Freedom of Information application: SN885 - Myponga water quality</b>						
<i>Provide all internal/external correspondence, including documents, ministerial briefings, meeting notes, emails, held SA Water concerning the disinfection of drinking water at Myponga, between the dates 1/7/2016 to 30/6/2017</i>						
<b>No</b>	<b>Date</b>	<b>Author</b>	<b>Document Description</b>	<b>Determination</b>	<b>Clause</b>	<b>Reason/Notes</b>
1	1/07/2016	SA Water	Water Quality and Environment Report - July - September 2016	Partial Release		Out of scope information redacted
2	15/07/2016	SA Water	Ongoing Disinfection By-Product Incidents - July 2016	Partial Release		Out of scope information redacted
3	14/08/2016	SA Water	Ongoing Disinfection By-Product Incidents - August 2016	Partial Release		Out of scope information redacted
4	19/09/2016	SA Water	Ongoing Disinfection By-Product Incidents - September 2016	Partial Release		Out of scope information redacted
5	1/10/2016	SA Water	Water Quality and Environment Report - October - December 2016	Partial Release		Out of scope information redacted
6	6/10/2016	SA Water	Email correspondence with SA Health - includes SA Heath statement (Q1) regarding SA Water's compliance with the Safe Drinking Water Act 2011	Full release		
7	20/10/2016	SA Water	Ongoing Disinfection By-Product Incidents - October 2016	Partial Release		Out of scope information redacted
8	2/12/2016	SA Water	INC-0038418 Incident notification to SA Health	Full release		
9	21/12/2016	SA Water	Ongoing Disinfection By-Product Incidents - December 2016	Partial Release		Out of scope information redacted
10	1/01/2017	SA Water	Water Quality and Environment Report - January - March 2017	Partial Release		Out of scope information redacted
11	12/01/2017	SA Water	Email correspondence with SA Health - includes SA Heath statement (Q2) regarding SA Water's compliance with the <i>Safe Drinking Water Act 2011</i>	Partial Release		Out of scope information redacted
12	31/01/2017	SA Water	Ongoing Disinfection By-Product Incidents - January 2017	Partial Release		Out of scope information redacted
13	2/02/2017	SA Water	INC-0038876 - Incident notification to SA Health	Full release		
14	22/02/2017	SA Water	Ongoing Disinfection By-Product Incidents - February 2017	Partial Release		Out of scope information redacted
15	23/03/2017	SA Water	Ongoing Disinfection By-Product Incidents - March 2017	Partial Release		Out of scope information redacted
16	30/03/2017	SA Water	Incident INC-0039293 Incident notification to SA Health	Full release		
17	1/04/2017	SA Water	Water Quality and Environment Report - April - June 2017	Partial Release		Out of scope information redacted
18	6/04/2017	SA Water	Email correspondence with SA Health - includes SA Heath statement (Q3) regarding SA Water's compliance with the <i>Safe Drinking Water Act 2011</i>	Full release		
19	21/04/2017	SA Water	INC-0038876 Incident notification to SA Health	Full release		
20	25/04/2017	SA Water	Ministerial briefing regarding type 1 incident at Myponga Water Treatment Plant	Full release		
21	11/05/2017	SA Water	Ongoing Disinfection By-Product Incidents - April 2017	Partial Release		Out of scope information redacted

No	Date	Author	Document Description	Determination	Clause	Reason/Notes
22	19/06/2017	SA Water	Ongoing Disinfection By-Product Incidents - May 2017	Partial Release		Out of scope information redacted
23	1/07/2017	SA Water	Rolling 12 Month Compliance Report	Partial Release		Out of scope information redacted
24	1/07/2017	SA Water	Rolling 12 Month Exception Report	Partial Release		Out of scope information redacted
25	12/07/2017	SA Water	Email correspondence with SA Health - includes SA Heath statement (Q4) regarding SA Water's compliance with the <i>Safe Drinking Water Act 2011</i>	Partial Release		Out of scope information redacted
26	15/07/2017	SA Water	Rolling 12 Month Exception Report email to SA Health	Full release		
27	16/07/2017	SA Water	Rolling 12 Month Exception Report email to SA Health	Full release		
28	N/A	SA Water	Myponga DBP Incidents	Full release		Attached as a excel spreadsheet



## Strategy and Planning

### Water Quality and Environment

### Quarterly Report

# 2016

## July – September

## 1 Quarterly Report Key Points

### Drinking Water Compliance



This report covers the period of July 1 to September 30, 2016.

Out of Scope



ADWG compliance for country systems was marginally below target for the reporting period. Out of Scope and Myponga WTP had trihalomethane exceedances. Out of Scope



Out of Scope

## 2 Performance Summary (1<sup>st</sup> July – 30<sup>th</sup> Sept 2016)



### Safe, Clean Water

To be the leading provider of safe, clean water that meets our customers' needs

#### Safe Drinking Water Act

SDWA compliance

SA Health Approval

2016-17 Financial Year to date



Out of Scope.

## **3**     **Statements**

### **3.1 SA Health Statement**

Compliance with the requirements of the Safe Drinking Water Act continued this reporting period. Monitoring of drinking water supplies was undertaken in accordance with SA Health approved monitoring programs. Monitoring results were provided to SA Health and where required incidents were notified in line with the Water/Wastewater Incident Notification and Communication Protocol.

No priority type 1 incidents were reported and the number of type 1 incidents was consistent with the previous period. All incidents were reported in a timely manner and none of the incidents posed a significant risk to public health.



## 4 Water Quality

The quarterly report is designed to give a brief overview of the status of water quality in SA Water's systems. The water quality performance section provides verification of our performance against health guidelines for drinking water, highlights positive performance and areas to focus on for the future. Areas of focus feed into operational improvements, new infrastructure, modification of existing infrastructure, monitoring, training, improved procedures and communication. To do this the water quality performance section is divided into the following components:

- A **drinking water compliance component** which provides an assessment of the drinking water quality supplied to consumers by monitoring at customer taps (dedicated taps on customer properties). These data are supplied to SA Health via regular reports. We assess our performance against all health guidelines for all parameters outlined in the Australian Drinking Water Guidelines (ADWG), including heavy metals, pesticides, microbiological contaminants and disinfection by-products. We also use microbiological assessment at customer taps as a measure of the integrity and security of supply to our customers. Testing for *E. coli* ensures the treatment and disinfection is effective in controlling microbiological pathogens (disease causing microorganisms).

Out of Scope





## 4.1.2 Australian Drinking Water Guideline Compliance

Out of Scope



Country systems that had exceedances

System	Target	Samples Collected	Exceedances	% Compliance	Parameters that exceeded	
Out of Scope						
Myponga WTP	99.8%	227	3	98.68%	THM (3)	✗
Out of Scope						

### Comments

Improvements for the management of THMs continues across a number of drinking water systems including reduction of water age through network reconfiguration and tank level management, optimisation of disinfection and cleaning of tanks.

A trial is planned within the Barossa network considering the use of alternative tank covers and the installation of granular activated carbon (GAC) filters for the removal of trihalomethanes. Information gathered during these trials will be used to formulate appropriate responses to ongoing exceedances within other systems.

## 4.2 Water Quality Incidents

SA Water's Water Quality Incident and Emergency Management Protocol defines three types of health-related incident classifications based upon a preventative, precautionary approach:

- **Priority Type 1 incident** – an incident that is likely to require immediate interagency meetings to consider responses and possible issuing of public advice.
- **Type 1 incident** – an incident that, without appropriate intervention\*, could cause serious risk to human health and/or cause a serious deterioration of the aesthetic quality to a large number of customers. A Type 1 incident could have a significant impact on SA Water's business and cause adverse customer complaints, public health, media, legal, financial or political impacts.
- **Type 2 incident** – an incident that, without appropriate intervention\*, represents a low risk to human health or an incident that has resulted in deteriorated aesthetic water quality to a significant customer base.

\*Appropriateness of intervention can only be determined after notification of the incident i.e. normally by SA Health for health related incidents and EPA for environmental incidents.

**Ongoing Disinfection By-Product (DBP) Incidents by System/ Zone – Status Summary**

*Note: New incidents reported in the current month are not listed as ongoing*

Out of Scope	
--------------	--

**Systems:**

**Page No.**

Out of Scope	
--------------	--

2 Myponga WTP .....3

Out of Scope	
--------------	--

## 2 Myponga WTP

Incident Number (Incident Type)	Area of Responsibility - (System) - Zone	Critical Parameter and Trigger Level	Highest Exceedance	Start Date- (Duration in Days) <sup>2</sup>	Latest Results	Operational Response
53299 (Type 1)	SA Water - (Myponga WTP) - Hindmarsh/ Victor Harbor/ Goolwa	THM > 300 µg/L  Dibromochloromethane > 100 µg/L	THM 337 µg/L @ Hindmarsh Island CT on 19/1/15  Dibromochloromethane 107 µg/L @ Goolwa CT on 21/12/15	21/12/15 (206 days)	<p>Current THM levels are:</p> <ul style="list-style-type: none"> <li>Encounter Bay CT 14 Pollard Court – 237 µg/L on 4/7/16 (&gt;2x below)</li> <li>Goolwa CT – 269 µg/L on 4/7/16</li> <li>Hindmarsh Island CT – 209 µg/L on 4/7/16 (&gt;2x below)</li> <li>Victor Harbor CT – 269 µg/L on 4/7/16</li> </ul> <p>Current dibromochloromethane levels are:</p> <ul style="list-style-type: none"> <li>Goolwa CT – 102 µg/L on 4/7/16</li> <li>Victor Harbor CT – 105 µg/L on 4/7/16</li> </ul>	No chlorine dosing changes have been made, residual maintenance performance remains low and work to install a chlorinator at George Main HOCV building to improve residuals is still in progress.

### Corporate Strategy Update:

The following items advanced:

- GAC Column – Specification for trial in development and testing regime proposed by AWQC

**Ongoing Disinfection By-Product (DBP) Incidents by System/ Zone – Status Summary**

*Note: New incidents reported in the current month are not listed as ongoing*

Out of Scope	
--------------	--

**Systems:**

**Page No.**

Out of Scope	
2 Myponga WTP .....	3
Out of Scope	

## 2 Myponga WTP

Incident Number (Incident Type)	Area of Responsibility - (System) – Zone	Critical Parameter and Trigger Level	Highest Exceedance	Start Date- (Duration in Days) <sup>2</sup>	Latest Results	Operational Response
53299 (Type 1)	SA Water - (Myponga WTP) – Hindmarsh/ Victor Harbor/ Goolwa	THM > 300 µg/L  Dibromochloromethane > 100 µg/L	THM 337 µg/L @ Hindmarsh Island CT on 19/1/15  Dibromochloromethane 107 µg/L @ Goolwa CT on 21/12/15	21/12/15 (233 days)	<p>Current THM levels are:</p> <ul style="list-style-type: none"> <li>Encounter Bay CT 14 Pollard Court – 218 µg/L on 1/8/16 (&gt;2x below)</li> <li>Goolwa CT – 263 µg/L on 1/8/16</li> <li>Hindmarsh Island CT – 189 µg/L on 1/8/16 (&gt;2x below)</li> <li>Victor Harbor CT – 220 µg/L on 1/8/16 (1x below)</li> </ul> <p>Current dibromochloromethane levels are:</p> <ul style="list-style-type: none"> <li>Goolwa CT – 88 µg/L on 1/8/16 (1x below)</li> <li>Victor Harbor CT – 75 µg/L on 1/8/16 (1x below)</li> </ul>	THMs have decreased through the system, expected to be due to a number of reasons with the biggest influence likely water temperature. Residuals in the network have also improved. Operations are taking the opportunity to make an initial small chlorine target increase at Hindmarsh Valley and dose a small amount at the George Main trial chlorinator in Victor Harbor in order to get residual further into the distribution network which usually sees no chlorine residual.

### Corporate Strategy Update:

The following items advanced:

- GAC Column – Investigations funding are not enough for a GAC column to be installed in both the Myponga and the Barossa Systems. However, the results and findings from the Barossa GAC pilot plant are expected to be transferrable to the Myponga System.

## Ongoing Disinfection By-Product (DBP) Incidents by System/ Zone – Status Summary

*Note: New incidents reported in the current month are not listed as ongoing*

Out of Scope

### Systems:

### Page No.

Out of Scope

2 Myponga WTP .....3

Out of Scope



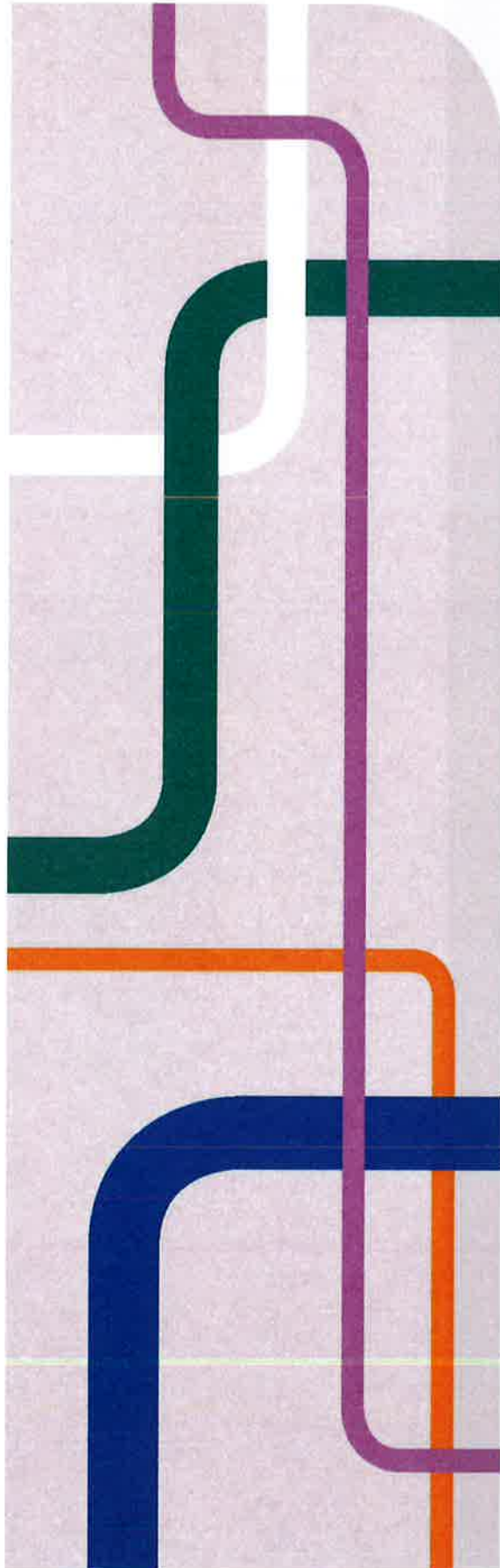
## 2 Myponga WTP

Incident Number (Incident Type)	Area of Responsibility - (System) – Zone	Critical Parameter and Trigger Level	Highest Exceedance	Start Date- (Duration in Days)2	Latest Results	Operational Response
53299 (Type 1)	SA Water - (Myponga WTP) – Hindmarsh/ Victor Harbor/ Goolwa	THM > 300 µg/L	THM 337 µg/L @ Hindmarsh Island CT on 19/1/15	21/12/15 (274 days)	Current THM levels are: <ul style="list-style-type: none"> <li>Encounter Bay CT 14 Pollard Court – 212 ug/L on 29/8/16 (&gt;2x below)</li> <li>Goolwa CT – 241 µg/L on 29/8/16 (1x below)</li> <li>Hindmarsh Island CT – 208 ug/L on 29/8/16 (&gt;2x below)</li> <li>Victor Harbor CT – 226 ug/L on 29/8/16 (2x below)</li> </ul>	THMs continue to decrease in this zone attributed largely due to cooler weather. Operations are awaiting final clear samples to close the incident. Small increases in chlorine dose have also been made in the zone in attempt to get residual through more of the network.

### Corporate Strategy Update:

The following items advanced:

- GAC Column – Investigations funding are not enough for a GAC column to be installed in both the Myponga and the Barossa Systems. However, the results and findings from the Barossa GAC plant are expected to be transferrable to the Myponga System.



Water Expertise

Safe Clean Water &  
Healthy Environment

Quarterly Report

**2016**

**October –  
December**

## 1 Quarterly Report Key Points

### Drinking Water Compliance



This report covers the period of October 1 to December 31, 2016.

Out of Scope



ADWG compliance for country systems was below target for the reporting period and marginally below target for the financial year to date. Out of Scope Myponga WTP had trihalomethane exceedances. Out of Scope



Out of Scope

## 2 Performance Summary (1<sup>st</sup> Oct – 31<sup>st</sup> Dec 2016)



### Safe, Clean Water

To be the leading provider of safe, clean water that meets our customers' needs

#### Safe Drinking Water Act

SDWA compliance	SA Health Approval
2016-17 Financial Year to date	✓

Out of Scope

## **3**    **Statements**

### **3.1   SA Health Statement**

Compliance with the requirements of the Safe Drinking Water Act continued this reporting period. Monitoring of drinking water supplies was undertaken in accord with SA Health approved monitoring programs. Monitoring results were provided to SA Health and where required incidents were notified in line with the Water/Wastewater Incident Notification and Communication Protocol.

Out of Scope





## 4 Water Quality

The quarterly report is designed to give a brief overview of the status of water quality in SA Water's systems. The water quality performance section provides verification of our performance against health guidelines for drinking water, highlights positive performance and areas to focus on for the future. Areas of focus feed into operational improvements, new infrastructure, modification of existing infrastructure, monitoring, training, improved procedures and communication. To do this the water quality performance section is divided into the following components:

- A **drinking water compliance component** which provides an assessment of the drinking water quality supplied to consumers by monitoring at customer taps (dedicated taps on customer properties). These data are supplied to SA Health via regular reports. We assess our performance against all health guidelines for all parameters outlined in the Australian Drinking Water Guidelines (ADWG), including heavy metals, pesticides, microbiological contaminants and disinfection by-products. We also use microbiological assessment at customer taps as a measure of the integrity and security of supply to our customers. Testing for *E. coli* ensures the treatment and disinfection is effective in controlling microbiological pathogens (disease causing microorganisms).

Out of Scope





## 4.1.2 Australian Drinking Water Guideline Compliance

Out of Scope

Country systems that had exceedances

System	Target	Samples Collected	Exceedances	% Compliance	Parameters that exceeded	
Out of Scope						
Out of Scope						
Myponga WTP	99.8%	213	2	99.06%	THM (2)	
Out of Scope						

Out of Scope

A trial has been planned within the Barossa network considering the use of alternative tank covers and the installation of granular activated carbon (GAC) filters for the removal of trihalomethanes. Information gathered during these trials will be used to formulate appropriate responses to ongoing exceedances within other systems.

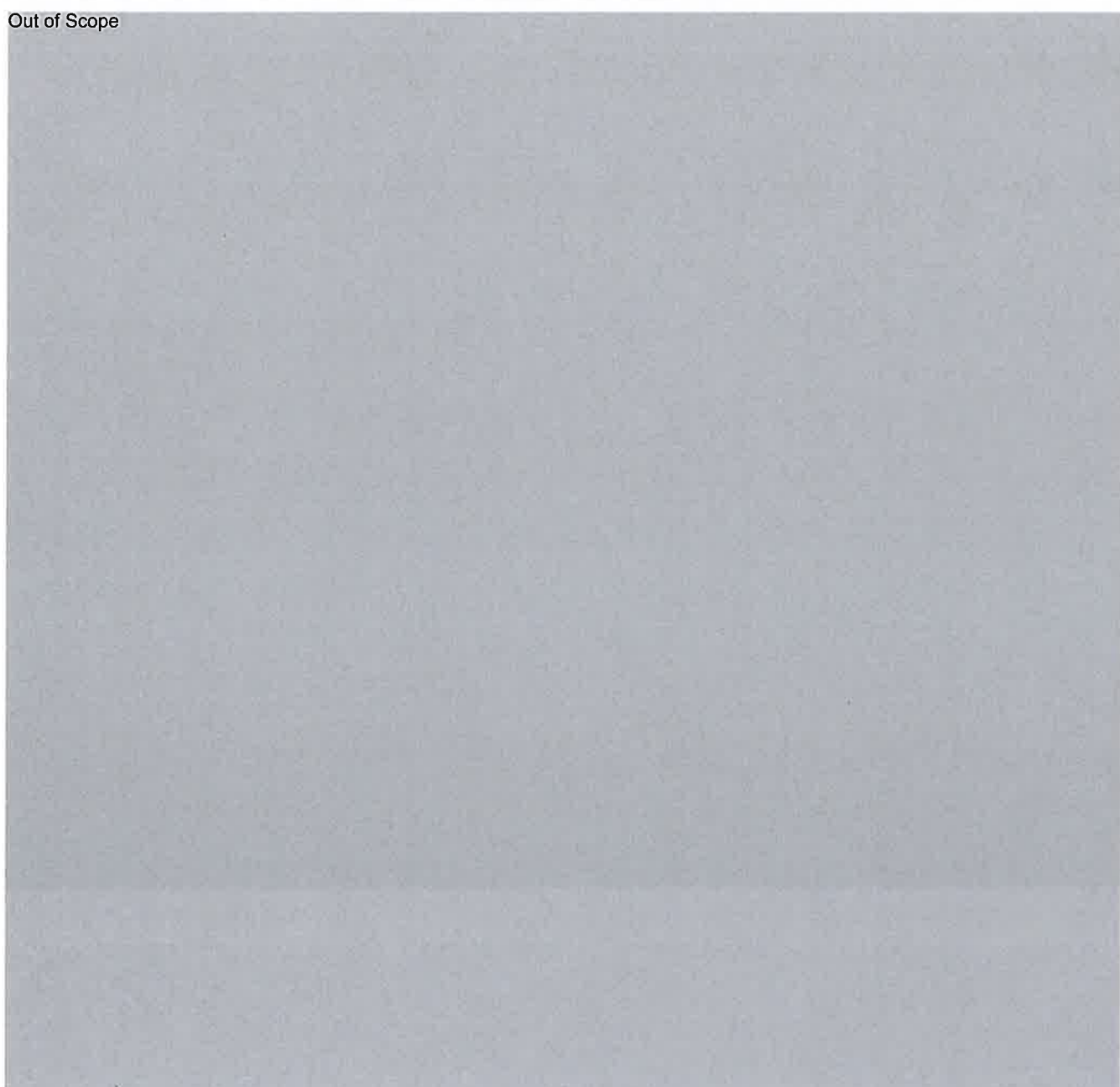
## 4.2 Water Quality Incidents

SA Water's Water Quality Incident and Emergency Management Protocol defines three types of health-related incident classifications based upon a preventative, precautionary approach:

- **Priority Type 1 incident** – an incident that is likely to require immediate interagency meetings to consider responses and possible issuing of public advice.
- **Type 1 incident** – an incident that, without appropriate intervention\*, could cause serious risk to human health and/or cause a serious deterioration of the aesthetic quality to a large number of customers. A Type 1 incident could have a significant impact on SA Water's business and cause adverse customer complaints, public health, media, legal, financial or political impacts.
- **Type 2 incident** – an incident that, without appropriate intervention\*, represents a low risk to human health or an incident that has resulted in deteriorated aesthetic water quality to a significant customer base.

\*Appropriateness of intervention can only be determined after notification of the incident i.e. normally by SA Health for health related incidents and EPA for environmental incidents.

Out of Scope



**Roberts, Ben**

---

**From:** Tsymbal, Vladimir (Health) <Vladimir.Tsymbal2@sa.gov.au>  
**Sent:** Thursday, 6 October 2016 11:23 AM  
**To:** Nicdao, Rafael  
**Cc:** Health:Public Health Water Quality  
**Subject:** RE: 1st Quarter - Quaterly Water Quality Report - July - September 2016  
**Attachments:** RegisteredWaterCarters\_Oct16.xlsx; SA Health statement Jul\_Sep 16.docx

Hi Raf,

The SA Health Statement and updated list of water carters are attached.

Cheers,

Vlad

**Vladimir Tsymbal**  
**Senior Scientific Officer (Water Quality)**

Public Health Services  
 SA Health  
 Government of South Australia

**Tel:** (08) 8226 6755  
**Email:** [vladimir.tsymbal@health.sa.gov.au](mailto:vladimir.tsymbal@health.sa.gov.au)  
**Web site:** [www.sahealth.sa.gov.au](http://www.sahealth.sa.gov.au)

This e-mail may contain confidential information, which may be legally privileged. Only the intended recipient's may access, use, distribute or copy this e-mail. If this e-mail is received in error, please inform the sender by return e-mail and delete the original. If there are doubts about the validity of this message, please contact the sender by telephone. It is the recipient's responsibility to check the e-mail and any attached files for viruses.

---

**From:** Nicdao, Rafael [<mailto:Rafael.Nicdao@sawater.com.au>]  
**Sent:** Wednesday, 5 October 2016 3:44 PM  
**To:** Tsymbal, Vladimir (Health)  
**Cc:** Health:Public Health Water Quality  
**Subject:** FW: 1st Quarter - Quaterly Water Quality Report - July - September 2016

Hi Vlad

Just a reminder that the SA Health Statement for the Quarterly report (July to September) is due soon.

Also, when you send me the Health Statement, can you also provide me with an updated file of External water carters – so we can update this on our DWQMS site. (The last update we received is attached) – we will ask for an update of this every quarter to ensure we have an updated list on our side.

Regards  
 Raf

---

**From:** Winter, John  
**Sent:** Wednesday, 5 October 2016 3:35 PM  
**To:** Nicdao, Rafael; De Cicco, Julia  
**Subject:** 1st Quarter - Quaterly Water Quality Report - July - September 2016

Hi All

Its that time again, are you able to begin populating your sections of the Quarterly Water Quality Report. I'm still awaiting feedback on the deadline, but I'm suspecting it will likely be mid next week.

Please find below a link.

[http://river.sawater.sa.gov.au/teamsites/iac/Reporting%20%20Communications/Quarterly%20Reports/16\\_17/16\\_17\\_S+P\\_Quarter\\_1\\_Report\\_July\\_Sept%2016.docx](http://river.sawater.sa.gov.au/teamsites/iac/Reporting%20%20Communications/Quarterly%20Reports/16_17/16_17_S+P_Quarter_1_Report_July_Sept%2016.docx)

Regards,

**JOHN WINTER**

Monitoring and Assurance Officer

SA Water

T 08 7424 1089

F 08 7003 1089

M 0418 609 421

E [john.winter@sawater.com.au](mailto:john.winter@sawater.com.au)

[www.sawater.com.au](http://www.sawater.com.au)

Follow us on



250 Victoria Square / Tarndanyangga, Adelaide SA 5000  
GPO Box 1751, Adelaide SA 5001

**please consider the environment before printing this email.**

Be green - read on the screen

**South Australian Water Corporation disclaimer**

This e-mail and any attachments to it may be confidential and/or subject to legal professional privilege. If you are not the intended recipient you may not disclose or use the information contained in the message in any way. If received in error please delete all copies and contact the sender by return e-mail. No warranty is made that any attachments are free from viruses. It is the recipient's responsibility to establish its own protection against viruses and other damage.

### **SA HEALTH STATEMENT**

Compliance with the requirements of the Safe Drinking Water Act continued this reporting period. Monitoring of drinking water supplies was undertaken in accord with SA Health approved monitoring programs. Monitoring results were provided to SA Health and where required incidents were notified in line with the Water/Wastewater Incident Notification and Communication Protocol.

No priority type 1 incidents were reported and the number of type 1 incidents was consistent with the previous period. All incidents were reported in a timely manner and none of the incidents posed a significant risk to public health.

**Ongoing Disinfection By-Product (DBP) Incidents by System/ Zone – Status Summary**

*Note: New incidents reported in the current month are not listed as ongoing*

Out of Scope	
--------------	--

**Systems:**

**Page No.**

Out of Scope	
--------------	--

2	Myponga WTP .....	3
---	-------------------	---



## 2 Myponga WTP

Incident Number (Incident Type)	Area of Responsibility - (System) – Zone	Critical Parameter and Trigger Level	Highest Exceedance	Start Date- (Duration in Days) <sup>2</sup>	Latest Results	Operational Response
53299 (Type 1)	SA Water - (Myponga WTP) – Hindmarsh/ Victor Harbor/ Goolwa	THM > 300 µg/L	THM 337 µg/L @ Hindmarsh Island CT on 19/1/15	21/12/15 (296 days)	<p>Current THM levels are:</p> <ul style="list-style-type: none"> <li>Encounter Bay CT 14 Pollard Court – 191 ug/L on 30/9/16 (&gt;2x below)</li> <li>Goolwa CT – 241 µg/L on 30/9/16 (1x below)</li> <li>Hindmarsh Island CT – 203 ug/L on 30/9/16 (&gt;2x below)</li> <li>Victor Harbor CT – 248 ug/L on 30/9/16 (2x below)</li> </ul>	<p>Continue to monitor results and the suitability of chlorine targets.</p> <p>Tank levels adjusted in attempt to bring residual to through to more of the network without increasing chlorine target.</p> <p>Three out of four locations have had more than two consecutive results less than 250 ug/L, the remaining location last two total trihalomethane results were 257 and more recently 241.</p>

### Corporate Strategy Update:

The following items advanced:

- GAC Column – Investigations funding are not enough for a GAC column to be installed in both the Myponga and the Barossa Systems. However, the results and findings from the Barossa GAC plant are expected to be transferrable to the Myponga System.

**Roberts, Ben**

---

**From:** SAAM Support  
**Sent:** Friday, 2 December 2016 2:06 PM  
**To:** IMS WaterQuality Email; Department of Health Water Quality Section (HEALTH SA); Office of the Technical Regulator (Water and Sewerage Inf)  
**Subject:** Type 2 DHA WQ Incident INC-0038418 S46, Myponga WTP, System Z181, Hindmarsh / Victor H / Goolwa, Zone Trihalomethanes total Drinking Water - Treated

Please be advised that an Incident [INC-0038418](#), has occurred.

Details of the Incident have been entered into SAAM and a summary appears below.

**Recorded Date and Time:** 02/12/2016 13:57

**Report/Detection Date & Time:** 02/12/2016 10:01

**Estimated Incident Occurrence Date & Time:** 02/12/2016 13:55

**Reported By:** Pat Poldervaart

**Reported By (Contractor):**

---

**Nominated Incident Manager:** Webber, Michael, Technical Support Officer

**Summary (brief description):** Victor Harbor CT 5 Riverview Rd : Trihalomethanes - Total 261 ug/L

**Detailed Description:**

**Immediate Action Taken:** exceedence forwarded to IM & Proxy

**Incident Location:**

**Detailed Location Description:**

**System Category:** Drinking Water - Treated

**Sample Point(s):** SP7807, Victor Harbor CT 5 Riverview Rd, Sample Point

**Zone(s):** Z181, Hindmarsh / Victor H / Goolwa, Zone

**System(s):** S46, Myponga WTP, System

**Product Specification/Location Type:** Distribution System

**Functional Area Affected:** SA Water\Operations and Maintnnc\Water Treatment and Qlty

---

**WQ Hazard Category(s):** Disinfection By-Products

**WQ Hazard Type(s):** Trihalomethanes total

---

**Sample Type:**

**Sample Date:** 24/11/2016

**Sample Time:** 08:43

**Sample Result:** Trihalomethanes - Total 261 ug/L

---

**Does this incident have the potential to attract media attention?:**

**Potential Legal impact or Legislative/Regulatory non-compliances?:** No

**Customers Affected?:** No

**\*\* Please do not Reply to this email. If you require further information please contact the Incident Manager.**

**Ongoing Disinfection By-Product (DBP) Incidents by System/ Zone – Status Summary**

*Note: New incidents reported in the current month may not appear on this report*

Out of Scope	
--------------	--

**Systems:**

**Page No.**

Out of Scope	
--------------	--

4 Myponga WTP .....6

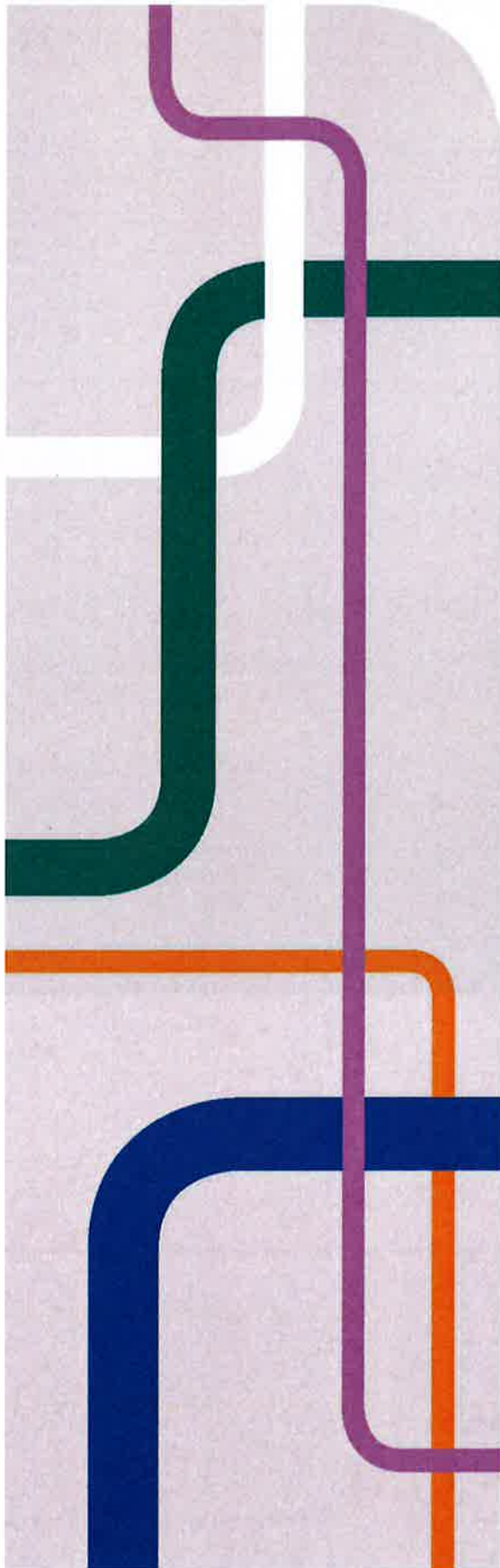
Out of Scope	
--------------	--

#### 4 Myponga WTP

Incident Number (Incident Type)	Area of Responsibility - (System) - Zone	Critical Parameter and Trigger Level	Highest Exceedance	Start Date- (Duration in Days)	Latest Results	Operational Response
<b>38418</b> <sup>SAAM</sup> (Type 2)	SA Water - (Myponga WTP) - Hindmarsh/ Victor H/ Goolwa	THM > 300 µg/L	THM 261 µg/L @ Victor Harbor CT on 24/11/16	24/11/16 (27 days)	Current THM levels are: <ul style="list-style-type: none"> <li>Victor Harbor CT – 261 µg/L on 24/11/16</li> <li>Hindmarsh Island CT – 256 µg/L on 24/11/16</li> </ul>	No update

#### Corporate Strategy Update:

None



**Water Expertise**

**Safe Clean Water &  
Healthy Environment**


**Quarterly Report**

**2017**



**January – March**

# 1 Quarterly Report Key Points

## Drinking Water Compliance

 This report covers the period of January 1 to March 31, 2017.

Out of Scope

 ADWG compliance for country systems was below target for the reporting period, and for the financial year to date.  Out of Scope

Myponga WTP had trihalomethane exceedances.  Out of Scope



Out of Scope



## 2 Performance Summary (1<sup>st</sup> Jan – 31<sup>st</sup> Mar 2017)



### Safe, Clean Water

To be the leading provider of safe, clean water that meets our customers' needs

#### Safe Drinking Water Act

SDWA compliance	SA Health Approval
2016-17 Financial Year to date	✓

Out of Scope

## **3 Statements**

### **3.1 SA Health Statement**

Compliance with the requirements of the Safe Drinking Water Act continued this reporting period. Monitoring of drinking water supplies was undertaken in accord with SA Health approved monitoring programs. Monitoring results were provided to SA Health and where required incidents were notified in line with the Water/Wastewater Incident Notification and Communication Protocol.

No priority type 1 incidents were reported and the number of type 1 incidents was consistent with the previous period. All incidents were reported in a timely manner and none of the incidents posed a significant risk to public health.

## 4 Water Quality

The quarterly report is designed to give a brief overview of the status of water quality in SA Water's systems. The water quality performance section provides verification of our performance against health guidelines for drinking water, highlights positive performance and areas to focus on for the future. Areas of focus feed into operational improvements, new infrastructure, modification of existing infrastructure, monitoring, training, improved procedures and communication. To do this the water quality performance section is divided into the following components:

- A **drinking water compliance component** which provides an assessment of the drinking water quality supplied to consumers by monitoring at customer taps (dedicated taps on customer properties). These data are supplied to SA Health via regular reports. We assess our performance against all health guidelines for all parameters outlined in the Australian Drinking Water Guidelines (ADWG), including heavy metals, pesticides, microbiological contaminants and disinfection by-products. We also use microbiological assessment at customer taps as a measure of the integrity and security of supply to our customers. Testing for *E. coli* ensures the treatment and disinfection is effective in controlling microbiological pathogens (disease causing microorganisms).

Out of Scope



### Out of Scope

## Out of Scope

## 4.2 Water Quality Incidents

SA Water's Water Quality Incident and Emergency Management Protocol defines three types of health-related incident classifications based upon a preventative, precautionary approach:

- **Priority Type 1 incident** – an incident that is likely to require immediate interagency meetings to consider responses and possible issuing of public advice.
- **Type 1 incident** – an incident that, without appropriate intervention\*, could cause serious risk to human health and/or cause a serious deterioration of the aesthetic quality to a large number of customers. A Type 1 incident could have a significant impact on SA Water's business and cause adverse customer complaints, public health, media, legal, financial or political impacts.
- **Type 2 incident** – an incident that, without appropriate intervention\*, represents a low risk to human health or an incident that has resulted in deteriorated aesthetic water quality to a significant customer base.

Out of Scope





**Roberts, Ben**

---

**From:** Nicdao, Rafael  
**Sent:** Thursday, 12 January 2017 2:38 PM  
**To:** Winter, John  
**Subject:** FW: Health Statement and External water carters  
**Attachments:** SA Health statement Oct\_Dec 16.docx; RE: Health Statement and External water carters

Hi John

Vlad approved the changes (i.e. removed the wastewater discharge statement)

Cheers

**RAF NICDAO**  
 DHA Liaison Officer  
 Water Expertise Unit, Business Services Group, SA Water  
 T 08 7424 2022  
 M 0419 199 711  
 E [rafael.nicdao@sawater.com.au](mailto:rafael.nicdao@sawater.com.au)

---

**From:** Nicdao, Rafael  
**Sent:** Thursday, 12 January 2017 2:11 PM  
**To:** 'Health:Public Health Water Quality'  
**Cc:** Vlad Tsymbal (DHA)  
**Subject:** FW: Health Statement and External water carters

Hi Vlad

We also need to include a Health Statement for the Minister for Water but the statement is only for drinking water supplies. I've modified your Health Statement (removed the reference to the PT1 wastewater discharge) for this purpose. Please review the attached (with track changes), is this ok with you?

Regards

**RAF NICDAO**  
 DHA Liaison Officer  
 Water Expertise Unit, Business Services Group, SA Water  
 T 08 7424 2022  
 M 0419 199 711  
 E [rafael.nicdao@sawater.com.au](mailto:rafael.nicdao@sawater.com.au)

---

**From:** Health:Public Health Water Quality [<mailto:waterquality@sa.gov.au>]  
**Sent:** Monday, 9 January 2017 11:05 AM  
**To:** Nicdao, Rafael  
**Cc:** Health:Public Health Water Quality  
**Subject:** RE: Health Statement and External water carters

Hi Raf,

The SA Health Statement and an updated list of registered water carters are attached.

Cheers,

Vlad

**Vladimir Tsymbal**



**Senior Scientific Officer (Water Quality)**

Public Health Services  
SA Health  
Government of South Australia

**Tel:** (08) 8226 6755

**Email:** [vladimir.tsymbal@health.sa.gov.au](mailto:vladimir.tsymbal@health.sa.gov.au)

**Web site:** [www.sahealth.sa.gov.au](http://www.sahealth.sa.gov.au)

This e-mail may contain confidential information, which may be legally privileged. Only the intended recipient's may access, use, distribute or copy this e-mail. If this e-mail is received in error, please inform the sender by return e-mail and delete the original. If there are doubts about the validity of this message, please contact the sender by telephone. It is the recipient's responsibility to check the e-mail and any attached files for viruses.

---

**From:** Nicdao, Rafael [<mailto:Rafael.Nicdao@sawater.com.au>]

**Sent:** Thursday, 29 December 2016 4:19 PM

**To:** Tsymbal, Vladimir (Health)

**Cc:** Health:Public Health Water Quality

**Subject:** Health Statement and External water carters

Hi Vlad

Just a reminder that the SA Health Statement for the Quarterly report (October to December) is due soon (10/1/17).

Also, when you send me the statement, can you also provide me with an updated file of External water carters – so we can update this on our DWQMS site. – we will ask for an update of this every quarter to ensure we have an updated list on our side.

Regards

**RAF NICDAO**

DHA Liaison Officer

Water Expertise Unit, Business Services Group, SA Water

T 08 7424 2022

M 0419 199 711

E [rafael.nicdao@sawater.com.au](mailto:rafael.nicdao@sawater.com.au)

[www.sawater.com.au](http://www.sawater.com.au)

Follow us on [Twitter](#), [YouTube](#) and [Flickr](#)

250 Victoria Square, Adelaide SA 5000

GPO Box 1751, Adelaide SA 5001

### **SA HEALTH STATEMENT**

Compliance with the requirements of the Safe Drinking Water Act continued this reporting period. Monitoring of drinking water supplies was undertaken in accord with SA Health approved monitoring programs. Monitoring results were provided to SA Health and where required incidents were notified in line with the Water/Wastewater Incident Notification and Communication Protocol.

Out of Scope



## Ongoing Disinfection By-Product (DBP) Incidents by System/ Zone – Status Summary

*Note: New incidents reported in the current month may not appear on this report*

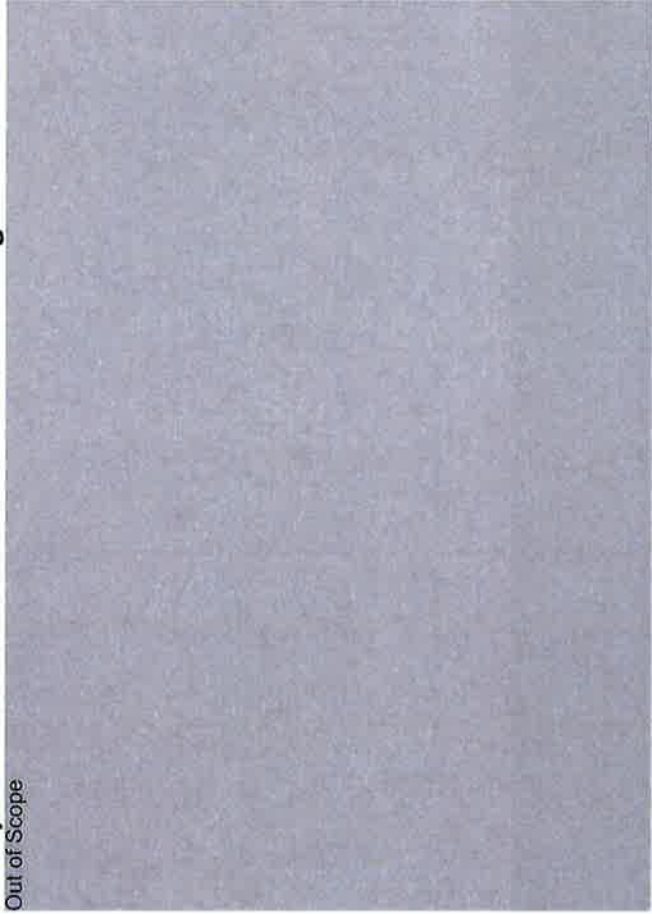
Out of Scope



**Systems:**

Out of Scope

**Page No.**



11 Myponga WTP .....14

Out of Scope



## 11 Myponga WTP

Incident Number (Incident Type)	Area of Responsibility - (System) – Zone	Critical Parameter and Trigger Level	Highest Exceedance	Start Date- (Duration in Days)	Latest Results	Operational Response
<b>38418<sup>SAAM</sup></b> (Type 2)  Incident closed	SA Water - (Myponga WTP) – Hindmarsh/ Victor H/ Goolwa	THM > 250 µg/L	THM 261 µg/L @ Victor Harbor CT on 24/11/16	24/11/16 (28 days)	Current THM levels are: <ul style="list-style-type: none"> <li>Hindmarsh Island CT – 219 µg/L on 22/12/16 (1x below)</li> <li>Victor Harbor CT – 211 µg/L on 22/12/16 (1x below)</li> </ul>	Incident closed on 22/12/16 as results are below 250 µg/L

### Corporate Strategy Update:

- This is pending the outcome of the proposed permanent facility to be installed in the Wasleys / Hamley Bridge Zone

**Roberts, Ben**

---

**From:** SAAM Support  
**Sent:** Thursday, 2 February 2017 3:58 PM  
**To:** IMS WaterQuality Email; Department of Health Water Quality Section (HEALTH SA); Office of the Technical Regulator (Water and Sewerage Inf)  
**Subject:** Type 2 DHA WQ Incident INC-0038876 S46, Myponga WTP, System Z181, Hindmarsh / Victor H / Goolwa, Zone Trihalomethanes total Drinking Water - Treated

Please be advised that an Incident [INC-0038876](#), has occurred.  
 Details of the Incident have been entered into SAAM and a summary appears below.

**Recorded Date and Time:** 02/02/2017 15:56

**Report/Detection Date & Time:** 02/02/2017 12:17

**Estimated Incident Occurrence Date & Time:** 02/02/2017 15:55

**Reported By:** Pat Poldervaart

**Reported By (Contractor):**

---

**Nominated Incident Manager:** Webber, Michael, Technical Support Officer

**Summary (brief description):** Victor Harbor CT 5 Riverview Rd; Trihalomethanes - Total 289 ug/L

**Detailed Description:**

**Immediate Action Taken:** exceedence forwarded to IM & Proxy

**Incident Location:**

**Detailed Location Description:**

**System Category:** Drinking Water - Treated

**Sample Point(s):** SP7807, Victor Harbor CT 5 Riverview Rd, Sample Point

**Zone(s):** Z181, Hindmarsh / Victor H / Goolwa, Zone

**System(s):** S46, Myponga WTP, System

**Product Specification/Location Type:** Distribution System

**Functional Area Affected:** SA Water\\*Operations and Maint\\*Water Treatment and Qlt

---

**WQ Hazard Category(s):** Disinfection By-Products

**WQ Hazard Type(s):** Trihalomethanes total

---

**Sample Type:** Routine

**Sample Date:** 19/12/2016

**Sample Time:** 05:59

**Sample Result:** Trihalomethanes - Total 289 ug/L

---

**Does this incident have the potential to attract media attention?:**

**Potential Legal impact or Legislative/Regulatory non-compliances?:** No

**Customers Affected?:** No

**\*\* Please do not Reply to this email. If you require further information please contact the Incident Manager.**



**Ongoing Disinfection By-Product (DBP) Incidents by System/ Zone – Status Summary**

*Note: New incidents reported in the current month may not appear on this report*

Out of Scope	
--------------	--

**Systems:**

**Page No.**

Out of Scope	
--------------	--

10 Myponga WTP .....13

## 10 Myponga WTP

Incident Number (Incident Type)	Area of Responsibility - (System) – Zone	Critical Parameter and Trigger Level	Highest Exceedance	Start Date- (Duration in Days)	Latest Results	Operational Response IM: Michael Webber
<b>38876</b> <sup>SAAM</sup> (Type 2)	SA Water - (Myponga WTP) – Hindmarsh/ Victor H/ Goolwa	THM > 250 µg/L	THM 289 µg/L @ Victor Harbor CT on 19/12/16	19/1/17 (41 days)	Current THM levels are: <ul style="list-style-type: none"> <li>• Encounter Bay CT – 250 ug/L on 19/1/17</li> <li>• Goolwa CT – 287 ug/L on 19/1/17</li> <li>• Hindmarsh Island CT – 279 µg/L on 19/1/17</li> <li>• Victor Harbor CT – 289 µg/L on 19/1/17</li> </ul>	Following the end of peak holiday season, THMs in this zone have increased above 250µg/L. Continue to monitor chlorine, microbiology, THM and water age data.

### Corporate Strategy Update:

- No update

Ongoing Disinfection By-Product (DBP) Incidents by System/ Zone – Status Summary

Note: New incidents reported in the current month may not appear on this report

Out of Scope

--

Systems:

Page No.

Out of Scope

--

9 Myponga WTP .....13

Out of Scope

--

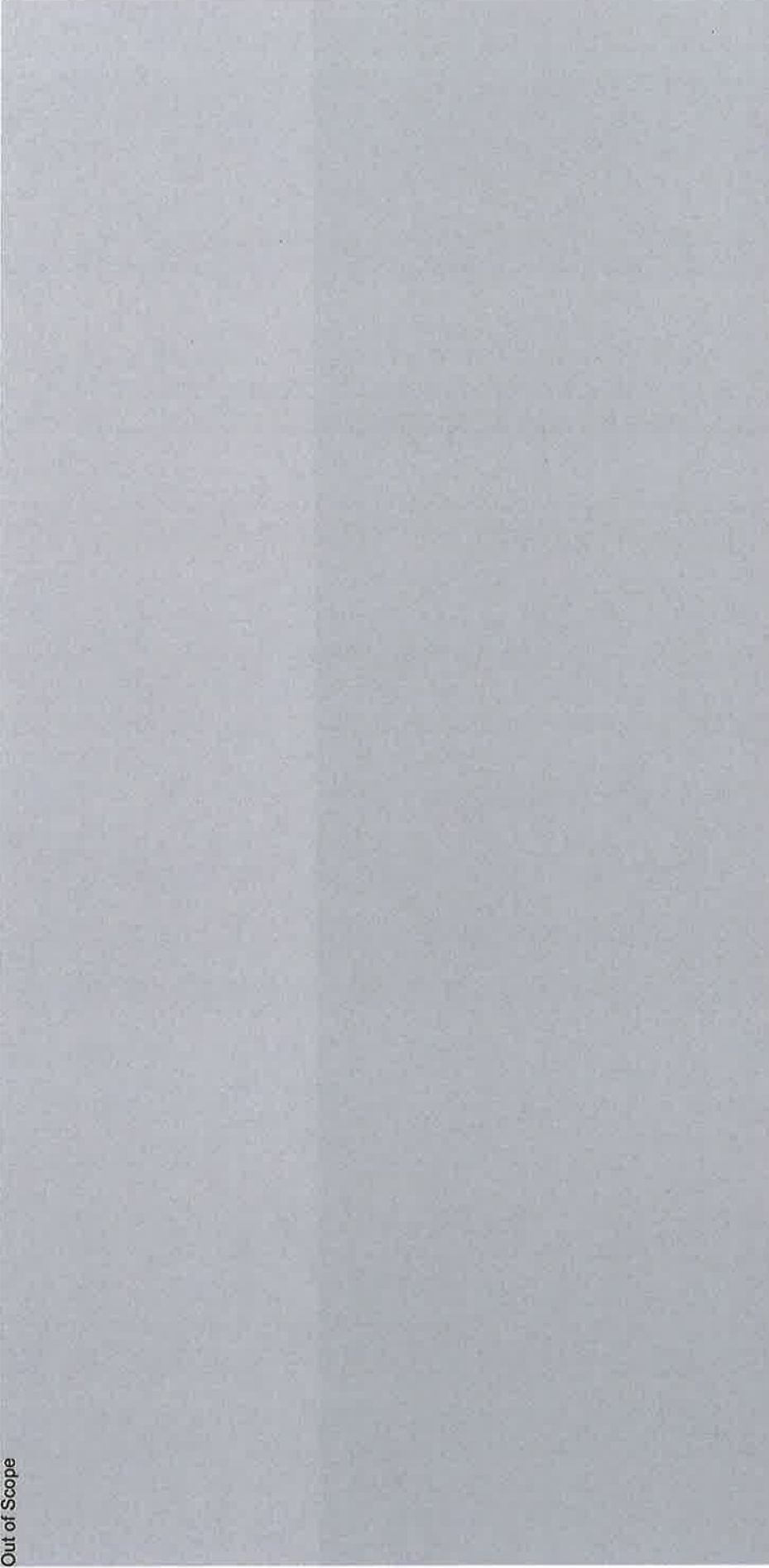
## 9 Myponga WTP

Incident Number (Incident Type)	Area of Responsibility - (System) – Zone	Critical Parameter and Trigger Level	Highest Exceedance	Start Date- (Duration in Days)	Latest Results	Operational Response IM: Michael Webber
<b>38876<sup>SAAM</sup></b> (Type 2)	SA Water - (Myponga WTP) – Hindmarsh/ Victor H/ Goolwa	THM > 250 µg/L	THM 293 µg/L @ Victor Harbor CT on 16/2/17	19/1/17 (64 days)	Current THM levels are: <ul style="list-style-type: none"> <li>• Encounter Bay CT – 290 ug/L on 16/2/17</li> <li>• Goolwa CT – 283 ug/L on 16/2/17</li> <li>• Hindmarsh Island CT – 274 µg/L on 23/2/17</li> <li>• Victor Harbor CT – 293 µg/L 16/2/17</li> </ul>	THMs in this zone are high but below 300, chlorine dose targets are unchanged to maintain chlorine residual.

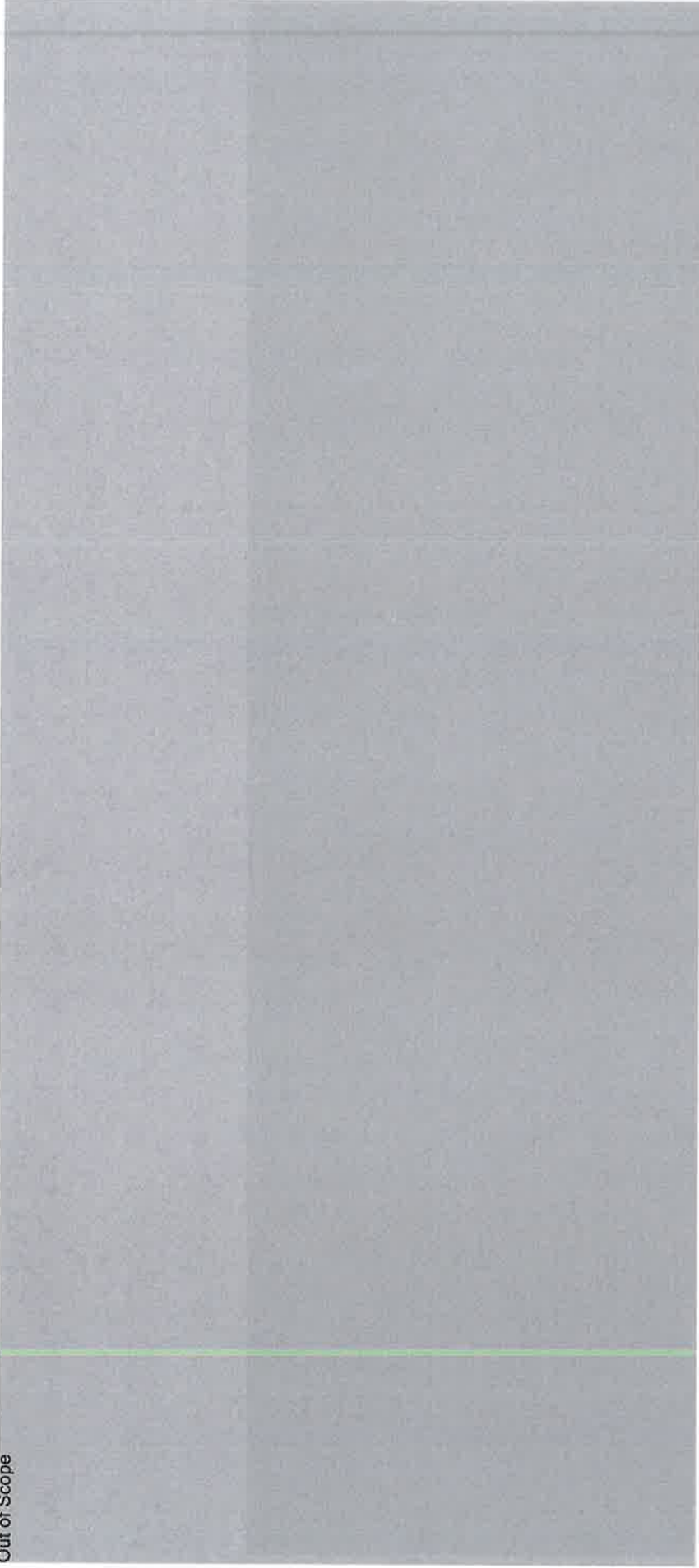
### Corporate Strategy Update:

- No update

**Out of Scope**

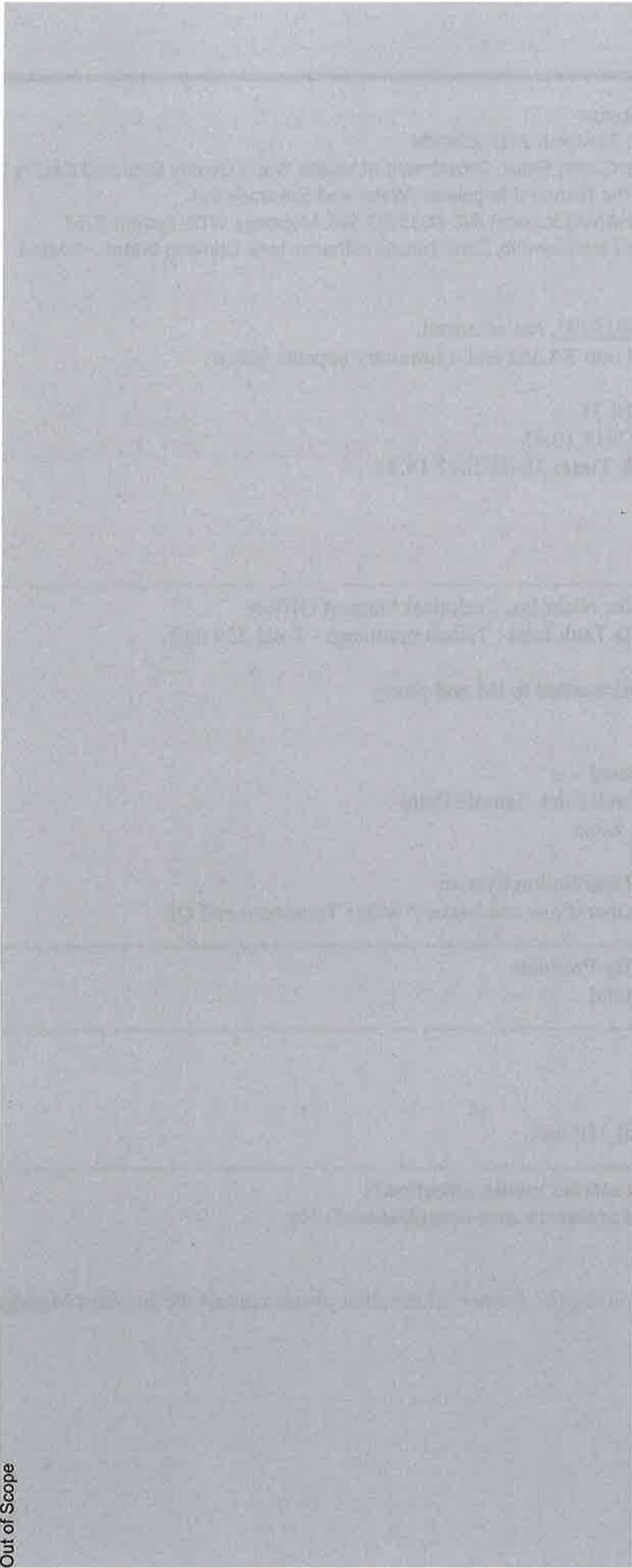


Out of Scope





**Out of Scope**



**Roberts, Ben**

---

**From:** SAAM Support  
**Sent:** Thursday, 30 March 2017 2:34 PM  
**To:** IMS WaterQuality Email; Department of Health Water Quality Section (HEALTH SA);  
 Office of the Technical Regulator (Water and Sewerage Inf)  
**Subject:** Type 2 DHA WQ Incident INC-0039293 S46, Myponga WTP, System Z251,  
 Myponga / Normanville, Zone Trihalomethanes total Drinking Water - Treated

Please be advised that an Incident [INC-0039293](#), has occurred.  
 Details of the Incident have been entered into SAAM and a summary appears below.

**Recorded Date and Time:** 30/03/2017 14:31  
**Report/Detection Date & Time:** 30/03/2017 10:45  
**Estimated Incident Occurrence Date & Time:** 30/03/2017 14:31  
**Reported By:** Pat Poldervaart  
**Reported By (Contractor):**

---

**Nominated Incident Manager:** Antarakis, Nicholas, Technical Support Officer  
**Summary (brief description):** Yankalilla Tank Inlet : Trihalomethanes - Total 259 ug/L  
**Detailed Description:**  
**Immediate Action Taken:** exceedence forwarded to IM and proxy  
**Incident Location:**  
**Detailed Location Description:**  
**System Category:** Drinking Water - Treated  
**Sample Point(s):** SP14500, Yankalilla Tank Inlet, Sample Point  
**Zone(s):** Z251, Myponga / Normanville, Zone  
**System(s):** S46, Myponga WTP, System  
**Product Specification/Location Type:** Distribution System  
**Functional Area Affected:** SA Water\\*Operations and Maint\\*Water Treatment and Qlt

---

**WQ Hazard Category(s):** Disinfection By-Products  
**WQ Hazard Type(s):** Trihalomethanes total

---

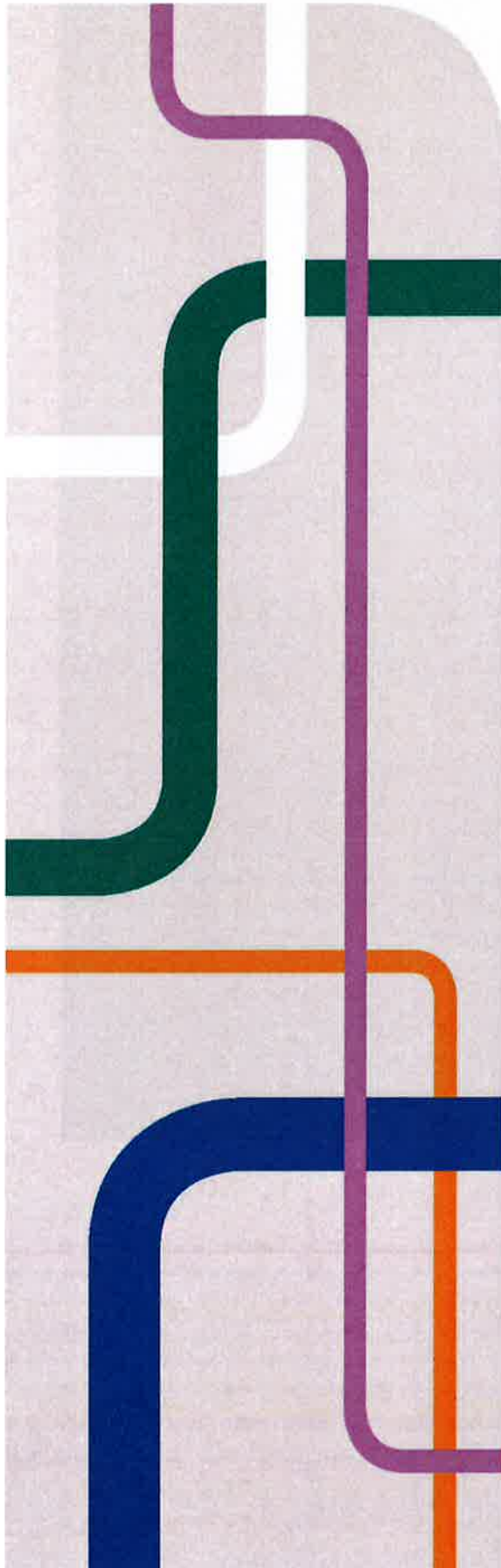
**Sample Type:** Routine  
**Sample Date:** 17/03/2017  
**Sample Time:** 07:53  
**Sample Result:** : Trihalomethanes - Total 259 ug/L

---

**Does this incident have the potential to attract media attention?:**  
**Potential Legal impact or Legislative/Regulatory non-compliances?:** No  
**Customers Affected?:** No

**\*\* Please do not Reply to this email. If you require further information please contact the Incident Manager.**

E-WQR-02 (INCNO-015)<EOF>



Water Expertise

Safe Clean Water &  
Healthy Environment

Quarterly Report

**2017**

**April – June**



April - June

# 1 Quarterly Report Key Points

## Drinking Water Compliance

■ This report covers the period of April 1 to June 30, 2017.

Out of Scope

■ ADWG compliance for country systems was below target for the reporting period, and for the financial year to date. DBP exceedances were detected in Myponga (12),

Out of Scope

Out of Scope

■ A granular activated carbon demonstration plant for the removal of DBP's is scheduled for operation in November 2017 within the Barossa distribution system. Alternative tank covers that will aid in the removal of DBP's are being investigated for the Barossa and Myponga systems. Information gathered from these trials will be used to formulate responses to ongoing DBP exceedances.

Out of Scope

## 2 Performance Summary (1<sup>st</sup> Apr – 30<sup>th</sup> June 2017)



### Safe, Clean Water

To be the leading provider of safe, clean water that meets our customers' needs

#### Safe Drinking Water Act

SDWA compliance	SA Health Approval
2016-17 Financial Year	✓

Out of Scope

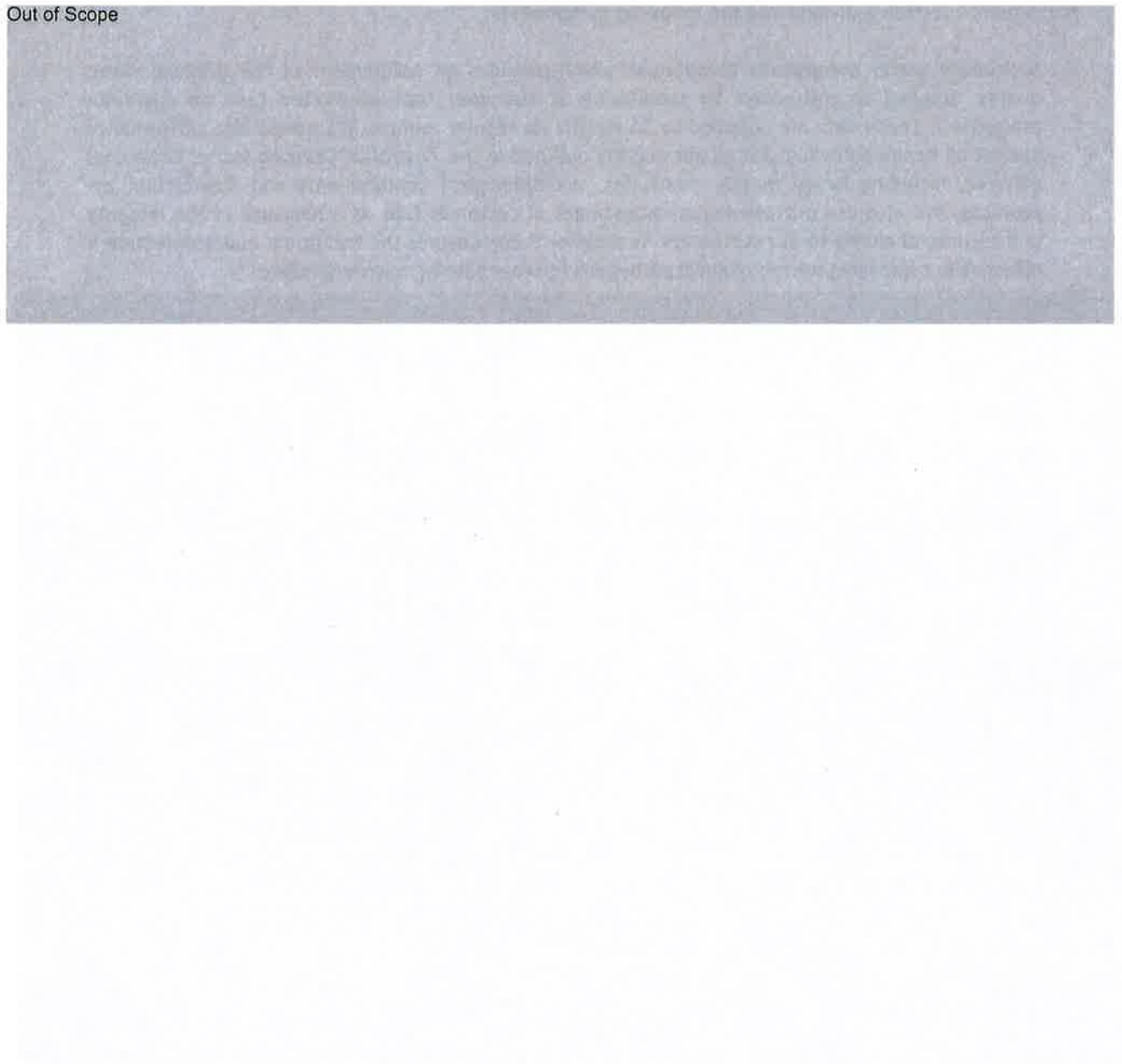


### 3 Statements

#### 3.1 SA Health Statement

Compliance with the requirements of the *Safe Drinking Water Act* continued this reporting period. Monitoring of drinking water supplies was undertaken in accordance with SA Health approved monitoring programs. Monitoring results were provided to SA Health and where required incidents were notified in line with the *Water/Wastewater Incident Notification and Communication Protocol*.

Out of Scope



## 4 Water Quality

The quarterly report is designed to give a brief overview of the status of water quality in SA Water's systems. The water quality performance section provides verification of our performance against health guidelines for drinking water, highlights positive performance and areas to focus on for the future. Areas of focus feed into operational improvements, new infrastructure, modification of existing infrastructure, monitoring, training, improved procedures and communication. To do this the water quality performance section is divided into the following components:

- A **drinking water compliance component** which provides an assessment of the drinking water quality supplied to consumers by monitoring at customer taps (dedicated taps on customer properties). These data are supplied to SA Health via regular reports. We assess our performance against all health guidelines for all parameters outlined in the *Australian Drinking Water Guidelines* (ADWG), including heavy metals, pesticides, microbiological contaminants and disinfection by-products. We also use microbiological assessment at customer taps as a measure of the integrity and security of supply to our customers. Testing for *E. coli* ensures the treatment and disinfection is effective in controlling microbiological pathogens (disease causing microorganisms).

Out of Scope



## 4.1.2 Australian Drinking Water Guideline Compliance

Out of Scope



Country systems that had exceedances

System	Target	Samples Collected	Exceedances	% Compliance	Exceedances	
Out of Scope						
Myponga WTP	99.8%	236	12	94.92%	THM (12)	
Out of Scope						

### Comments

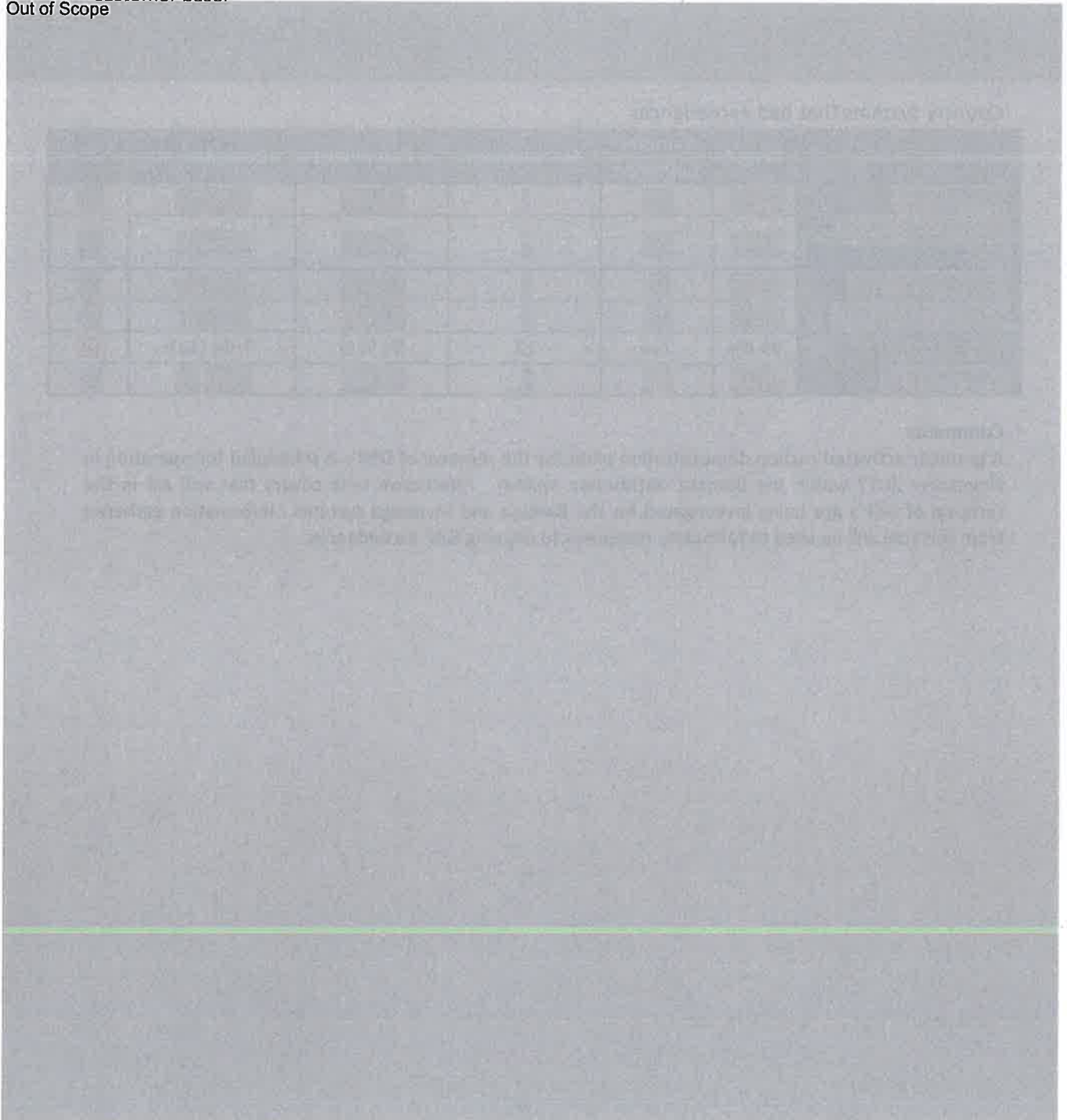
A granular activated carbon demonstration plant for the removal of DBP's is scheduled for operation in November 2017 within the Barossa distribution system. Alternative tank covers that will aid in the removal of DBP's are being investigated for the Barossa and Myponga systems. Information gathered from this trial will be used to formulate responses to ongoing DBP exceedances.

## 4.2 Water Quality Incidents

SA Water's Water Quality Incident and Emergency Management Protocol defines three types of health-related incident classifications based upon a preventative, precautionary approach:

- **Priority Type 1 incident** – an incident that is likely to require immediate interagency meetings to consider responses and possible issuing of public advice.
- **Type 1 incident** – an incident that, without appropriate intervention\*, could cause serious risk to human health and/or cause a serious deterioration of the aesthetic quality to a large number of customers. A Type 1 incident could have a significant impact on SA Water's business and cause adverse customer complaints, public health, media, legal, financial or political impacts.
- **Type 2 incident** – an incident that, without appropriate intervention\*, represents a low risk to human health or an incident that has resulted in deteriorated aesthetic water quality to a significant customer base.

Out of Scope



**Roberts, Ben**

---

**From:** Tsymbal, Vladimir (Health) <Vladimir.Tsymbal2@sa.gov.au>  
**Sent:** Thursday, 6 April 2017 9:28 AM  
**To:** Nicdao, Rafael  
**Cc:** Health:Public Health Water Quality  
**Subject:** RE: Health Statement (Quarter 3) and External water carters  
**Attachments:** SA Health statement Jan\_Mar 17.docx; RegisteredWaterCarters\_Apr17.xlsx

Hi Raf,

The requested documents are attached.

Regards,

Vlad

**Vladimir Tsymbal**  
**Senior Scientific Officer (Water Quality)**

Public Health Services  
 SA Health  
 Government of South Australia

**Tel:** (08) 8226 6755  
**Email:** [vladimir.tsymbal@health.sa.gov.au](mailto:vladimir.tsymbal@health.sa.gov.au)  
**Web site:** [www.sahealth.sa.gov.au](http://www.sahealth.sa.gov.au)



**PUBLIC HEALTH  
 WEEK 2017  
 3 - 7 APRIL**

Take your first step and visit [www.sahealth.sa.gov.au/protectingpublichealth](http://www.sahealth.sa.gov.au/protectingpublichealth)

This e-mail may contain confidential information, which may be legally privileged. Only the intended recipient's may access, use, distribute or copy this e-mail. If this e-mail is received in error, please inform the sender by return e-mail and delete the original. If there are doubts about the validity of this message, please contact the sender by telephone. It is the recipient's responsibility to check the e-mail and any attached files for viruses.

---

**From:** Nicdao, Rafael [<mailto:Rafael.Nicdao@sawater.com.au>]  
**Sent:** Monday, 3 April 2017 5:33 PM  
**To:** Tsymbal, Vladimir (Health)  
**Cc:** Health:Public Health Water Quality  
**Subject:** Health Statement (Quarter 3) and External water carters

Hi Vlad

Just a reminder that the SA Health Statement for the Quarterly report (January to March) is due soon (10/4/17).

Also, when you send me the statement, can you also provide me with an updated file of External water carters – so we can update this on our DWQMS site. – we will ask for an update of this every quarter to ensure we have an updated list on our side.

Regards

**RAF NICDAO**

DHA Liaison Officer

**Water Expertise Unit, Business Services Group, SA Water**

T 08 7424 2022

M 0419 199 711

E [rafael.nicdao@sawater.com.au](mailto:rafael.nicdao@sawater.com.au)

[www.sawater.com.au](http://www.sawater.com.au)

Follow us on [Twitter](#), [YouTube](#) and [Flickr](#)

250 Victoria Square, Adelaide SA 5000

GPO Box 1751, Adelaide SA 5001

Be green - read on the screen

**South Australian Water Corporation disclaimer**

This e-mail and any attachments to it may be confidential and/or subject to legal professional privilege. If you are not the intended recipient you may not disclose or use the information contained in the message in any way. If received in error please delete all copies and contact the sender by return e-mail. No warranty is made that any attachments are free from viruses. It is the recipient's responsibility to establish its own protection against viruses and other damage.

### **SA HEALTH STATEMENT**

Compliance with the requirements of the Safe Drinking Water Act continued this reporting period. Monitoring of drinking water supplies was undertaken in accord with SA Health approved monitoring programs. Monitoring results were provided to SA Health and where required incidents were notified in line with the Water/Wastewater Incident Notification and Communication Protocol.

No priority type 1 incidents were reported and the number of type 1 incidents was consistent with the previous period. All incidents were reported in a timely manner and none of the incidents posed a significant risk to public health.





**Roberts, Ben**

---

**From:** SAAM Support  
**Sent:** Friday, 21 April 2017 10:17 AM  
**To:** IMS WaterQuality Email; Department of Health Water Quality Section (HEALTH SA); EPAwastewater@sa.gov.au; Office of the Technical Regulator (Water and Sewerage Inf)  
**Subject:** Validated Type 2 DHA WQ Incident INC-0038876 S46, Myponga WTP, System Z181, Hindmarsh / Victor H / Goolwa, Zone Trihalomethanes total Drinking Water - Treated

Please be advised that there has been a change in incident classification for [INC-0038876](#)

**Primary Incident Classification:** Type 1

**Incident or Non-Incident:** Incident

**Incident Classification:** Type 2

**Reason for Incident Classification Change:** Upgrade to Type 1 as over 300ug/L

Updated details of the Incident have been entered into SAAM and a summary appears below.

**Recorded Date and Time:** 02/02/2017 15:56

**Report/Detection Date & Time:** 02/02/2017 12:17

**Estimated Incident Occurrence Date & Time:** 02/02/2017 15:55

**Reported By:** Pat Poldervaart

**Reported By (Contractor):**

---

**Nominated Incident Manager:** Webber, Michael, Technical Support Officer

**Summary (brief description):** Victor Harbor CT 5 Riverview Rd; Trihalomethanes - Total 289 ug/L

**Detailed Description:**

**Immediate Action Taken:** exceedence forwarded to IM & Proxy

**Incident Location:**

**Detailed Location Description:**

**System Category:** Drinking Water - Treated

**Sample Point(s):** SP7807, Victor Harbor CT 5 Riverview Rd, Sample Point

**Zone(s):** Z181, Hindmarsh / Victor H / Goolwa, Zone

**System(s):** S46, Myponga WTP, System

**Product Specification/Location Type:** Distribution System

**Functional Area Affected:** SA Water\\*Operations and Maint\\*Water Treatment and Qlt

---

**WQ Hazard Category(s):** Disinfection By-Products

**WQ Hazard Types:** Trihalomethanes total

---

**Sample Type:** Routine

**Sample Date:** 19/12/2016

**Sample Time:** 05:59

**Sample Result:** Trihalomethanes - Total 289 ug/L

---

**Does this incident have the potential to attract media attention?:**

**Potential Legal impact or Legislative/Regulatory non-compliances?:** No

**Customers Affected?:** No

**\*\* Please do not reply to this email. If you require further information please contact the Incident Manager.**



File No: SN35430

Document No:

**TO: MINISTER FOR WATER AND THE RIVER MURRAY**
**FOR NOTING**
**TITLE: TYPE 1 INCIDENT - TOTAL TRIHALOMETHANES - MYPONGA WTP SYSTEM**
**ISSUE: TO ADVISE THE MINISTER OF ENTER ISSUE E.G. ELEVATED TOTAL TRIHALOMETHANES AT HINDMARSH-VICTOR HARBOR-GOOLWA ZONE**

*Incident Number*                      **38876**  
*Incident Type*                         Type 1  
*Incident Date/ Time*                21/04/2017 @ 10:15  
*Target Date/ Time*                  25/04/2017 @ 15:00

**RELEVANT POINTS**

*Location Description*                Hindmarsh Island CT Lot 541 Wentworth Pde  
*Location Type*                        Distribution System  
*Sampling Regime*                    Routine  
*Date Sampled*                        13/04/2017

**RESULTS**

*Parameter Exceeded*                Total Trihalomethanes  
*Detection*                            321 µg/L Total THM  
*ADWG Health Guideline*          250 µg/L Total THM  
*DHA Criteria*                        THM > 300 µg/L  
*Duration*                              95 days

**AGENCIES NOTIFIED**

DHA	Yes	If Yes, Date/Time notified:	21/04/2017 @ 11:00
EPA	No	If Yes, Date/Time notified:	dd/mm/yyyy @ hh:mm
Other: _____	_____	If Yes, Date/Time notified:	_____ @ _____
Other: _____	_____	If Yes, Date/Time notified:	_____ @ _____

**SIGNIFICANCE**

Does DHA consider results constitute a significant health risk?                No  
Does DHA consider results constitute a significant media interest?            No  
Does SA Water Senior Management consider results constitute a potential immediate high consequence?            No

**FOR PRIORITY TYPE 1 INCIDENTS ONLY:**

Contact: Mark Gobbie, General Manager Operations and Maintenance, 7424 3194

Date: 24 April 2017

SN35430

Was an immediate interagency meeting required by DHA?

(Choose)

If Yes, Date/Time of interagency meeting:

dd/mm/yyyy @ hh:mm

If Yes, Agencies present at interagency meeting:

☐ SAW ☐ DHA ☐ EPA

☐ Other: \_\_\_\_\_

**FUTURE MONITORING ACTIONS:**

Sampling Regime: ☒ Routine ☐ Non-Routine

Location Type ☐ Catchment ☐ Reservoir - Indirect ☐ Reservoir - Direct  
☐ WTP Inlet ☐ WTP Outlet ☒ Distribution

**COMMENTS:**

- Four sample points in the Hindmarsh, Victor Harbor, Goolwa zone of the Myponga WTP system have exceeded 250 µg/L since 19/01/2017 for a period greater than 12 weeks.
- A sample collected on the 13/04/2017 from the Hindmarsh Island sampling location reported a THM result of 321µg/L.
- The Department for Health and Ageing (DHA) were notified of the result on 21/04/2017. DHA does not currently consider the results to constitute a significant health risk, due to actions taken to appropriately mitigate the risk, including:
  - Reducing the chlorine dose rate from the Hindmarsh Valley Chlorine station to assist in reducing THM formation.
  - DHA suggests that in accord with the ADWG, while action to reduce disinfection by-products is encouraged, it must not compromise adequate disinfection, as poor microbiological quality presents a greater risk.
- Routine samples will be taken on 11/05/2017 following operational changes. Should there be an increased risk arising from follow up results, an updated briefing will be provided.

**It is recommended that you:**

- APPROVED / NOT APPROVED or NOTED**

Minister's Office use: Comments

**APPROVED / NOT APPROVED or NOTED**

/ / 2017

## Ongoing Disinfection By-Product (DBP) Incidents by System/ Zone – Status Summary

*Note: New incidents reported in the current month may not appear on this report*

Out of Scope

### Systems:

### Page No.

Out of Scope

6 Myponga WTP .....9

Out of Scope



## 6 Myponga WTP

Incident Number (Incident Type)	Area of Responsibility - (System) – Zone	Critical Parameter and Trigger Level	Highest Exceedance	Start Date- (Duration in Days)	Latest Results	Operational Response IM: Michael Webber
<b>38876<sup>SAAM</sup></b> (Type 1)	SA Water - (Myponga WTP) – Hindmarsh/ Victor H/ Goolwa	THM > 250 µg/L	THM 293 µg/L @ Victor Harbor CT on 16/2/17	19/1/17 (112 days)	Current THM levels are: • Encounter Bay CT – 268 ug/L on 13/4/17 • Goolwa CT – 296 ug/L on 13/4/17 • Hindmarsh Island CT – 321 µg/L on 13/4/17 • Victor Harbor CT – 287 µg/L on 13/4/17	Incident escalated from Type 2 to Type 1 on 21/4/17 as the incident has been ongoing for > 3 months.  Chlorine reduced by 0.5 mg/L at Hindmarsh Valley following escalation to type 1, awaiting next water quality data before assessing whether any further adjustments are to be made.
<b>39293<sup>SAAM</sup></b> (Type 2)	SA Water - (Myponga WTP) – Myponga/ Normanville	THM > 250 µg/L	THM 259 µg/L @ Victor Harbor CT on 17/3/17	17/3/17 (55 days)	Current THM levels are: • Yankalilla Tank Inlet – 252 ug/L on 13/4/17	

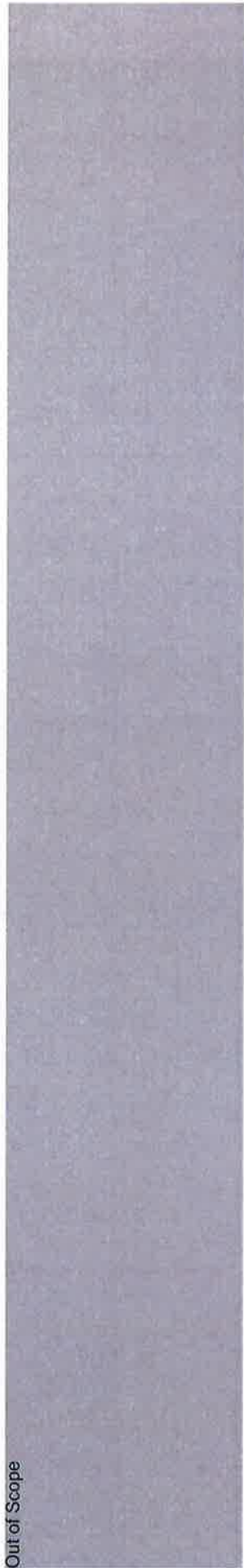
### Corporate Strategy Update:

- The learnings Barossa DBP reduction projects will feed into the Myponga System. Funding has been made available in RBP 16 for the installation of a DBP reduction solution at Nettle Hill and / or within the network.

## Ongoing Disinfection By-Product (DBP) Incidents by System/ Zone – Status Summary

*Note: New incidents reported in the current month may not appear on this report*

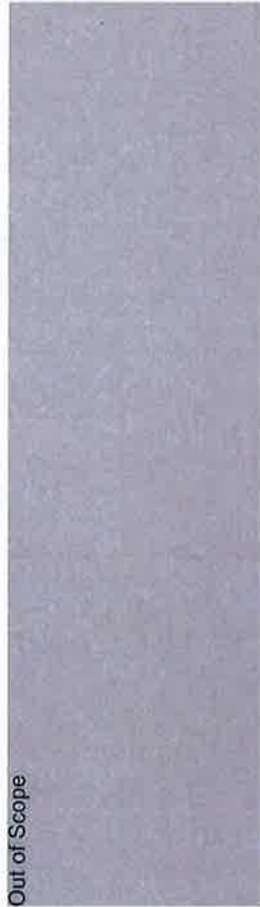
Out of Scope



### Systems:

### Page No.

Out of Scope



5 Myponga WTP .....7

## 5 Myponga WTP

Incident Number (Incident Type)	Area of Responsibility - (System) – Zone	Critical Parameter and Trigger Level	Highest Exceedance	Start Date- (Duration in Days)	Latest Results	Operational Response IM: Michael Webber
<b>38876<sup>SAAM</sup></b> (Type 1)	SA Water - (Myponga WTP) – Hindmarsh/ Victor H/ Goolwa	THM > 250 µg/L	THM 293 µg/L @ Victor Harbor CT on 16/2/17	19/1/17 (130 days)	Current THM levels are: <ul style="list-style-type: none"> <li>• Encounter Bay CT – 244 µg/L on 12/5/17</li> <li>• Goolwa CT – 284 µg/L on 12/5/17</li> <li>• Hindmarsh Island CT – 285 µg/L on 12/5/17</li> <li>• Victor Harbor CT – 282 µg/L on 12/5/17</li> </ul>	No further operational action, THMs have reduced but not enough to clear the incident.
<b>39293<sup>SAAM</sup></b> (Type 2) <b>(Incident closed)</b>	SA Water - (Myponga WTP) – Myponga/ Normanville	THM > 250 µg/L	THM 259 µg/L @ Victor Harbor CT on 17/3/17	17/3/17 (88 days)	Current THM levels are: <ul style="list-style-type: none"> <li>• Myponga CT – 184 µg/L on 2/6/17</li> <li>• Yankalilla Tank Inlet – 231 µg/L on 12/5/17</li> </ul>	Incident closed on 13/6/17

### Corporate Strategy Update:

- The learnings Barossa DBP reduction projects will feed into the Myponga System. Funding has been made available in RBP 16 for the installation of a DBP reduction solution at Nettle Hill and / or within the network.

## Compliance Report - Health

(Modified on : 15/07/2017 8:15:49PM)

### Report Parameters

From Date:	1/07/2016
To Date:	30/06/2017
Region:	Eyre, Northern, Outer Metro, South East
Sampling Point Type:	Customer tap
Potability Name:	Potable system - Potable Zone (ADWG compliant)
Health Components:	E.coli, Chlorine - Free, Chlorine - Total, Antimony - Total, Arsenic - Total, Barium - Total, Beryllium - Total, Boron - Soluble, Cadmium - Total, Chromium (VI) - Soluble, Copper - Total, Lead - Total, Manganese - Total, Mercury - Total, Molybdenum - Total, Nickel - Total, Selenium - Total, Silver - Total, Sulphate, Uranium - Total, Cyanide as CN - Total, Fluoride, Iodide, Nitrate as Nitrogen, Nitrite as Nitrogen, Bromate, Chlorite, Chloroacetic Acid, Dichloroacetic Acid, Trichloroacetic Acid, 2-chlorophenol, 2 4-dichlorophenol, 2 4 6-trichlorophenol, Formaldehyde, Chloral hydrate, Trihalomethanes - Total, 2 4-D, 2 4 5-T, Chlorsulfuron, Clopyralid, Dicamba, MCPA, Metsulfuron Methyl, Picloram, Triclopyr, Total Aldrin and Dieldrin, Chlordane-a, Chlordane-g, Chlorothalonil, Chlorpyrifos, DDT, Endosulfan 1, Endosulfan 2, Endosulfan Sulphate, Heptachlor, Heptachlor Epoxide, Lindane, Methoxychlor, Trifluralin, Atrazine, Azinphos-methyl, Diazinon, Fenitrothion, Hexazinone, Parathion, Parathion methyl, Simazine, Glyphosate, Radon - 222, Annual Radiation Dose, pentachlorophenol, NDMA
Generated By:	NI000605

Note: Percentages shown represent the percentage of compliant results. Values shown within the brackets represent the total number of results. The fractional values show Number of Compliant Results/Total Number of results.

\* Total Chlorine is equivalent to monochloramine concentration in chloraminated supplies

**Compliance Report**  
**Period: 1/07/2016 - 30/06/2017**

Period: 1/07/2016 - 30/06/2017

## Outer Metro

ADWG Health Components												
Outer Metro												
Myponga WTP												
Hindmarsh / Victor H / Goolwa												
Encounter Bay CT 14 Pollard Court	14611	100.0% (13)	100.0% (13)	100.0% (13)								
Goolwa CT 53 Castle Av	11063	100.0% (12)	100.0% (12)	100.0% (12)								
Goolwa CT Cadell St	2069	100.0% (13)	100.0% (13)	100.0% (13)								
Hindmarsh Island CT Lot 541 Wentworth Pde	7978	100.0% (13)	100.0% (13)	100.0% (13)								
Port Elliot CT 36 Tottenham Rd	7806	100.0% (12)	100.0% (12)	100.0% (12)								
Victor Harbor CT 5 Riverview Rd	7807	100.0% (52)	100.0% (52)	100.0% (51)	100.0% (4)	100.0% (1)	100.0% (1)	100.0% (1)	100.0% (4)	100.0% (4)	100.0% (4)	100.0% (4)
Victor Harbor CT Bay Rd	2093	100.0% (12)	100.0% (12)	100.0% (12)								
Zone Summary:	Hindmarsh / Victor H / Goolwa	127/127	127/127	128/128	4/4	1/1	1/1	1/1	4/4	0/0	4/4	4/4
Myponga / Hindmarsh Valley												
Nettle Hill CT Lot 121 Nettle Hill Rd	76370	100.0% (13)	100.0% (26)	100.0% (26)								
Zone Summary:	Myponga / Hindmarsh Valley	13/13	26/26	26/26	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Myponga / Normanville												
Carickalinga CT 27 Solitude Dr	16970	100.0% (13)	100.0% (13)	100.0% (13)								
Myponga CT 79 Main South Rd	7977	100.0% (13)	100.0% (13)	100.0% (13)								
Normanville CT 20 Heathcote St	1695	100.0% (51)	100.0% (51)	100.0% (51)	100.0% (4)	100.0% (1)	100.0% (1)	100.0% (1)	100.0% (4)	100.0% (4)	100.0% (4)	100.0% (4)
Zone Summary:	Myponga / Normanville	77/77	77/77	77/77	4/4	1/1	1/1	1/1	4/4	0/0	4/4	4/4
Myponga WTP												
System Summary	Myponga WTP	217/217	230/230	229/229	8/8	2/2	2/2	2/2	8/8	0/0	8/8	8/8

**Disclaimer:** The provision of the data contained in this report to a user is subject to SA Water's Terms and Conditions of Use. The provision of the data is for informational purposes only and is not intended to be used for any other purpose. The data is provided "as is" and without any warranty, express or implied. The user acknowledges that the data is not intended to be used for any other purpose and that the user is responsible for ensuring that the data is used in accordance with the Terms and Conditions of Use. The user acknowledges that the data is not intended to be used for any other purpose and that the user is responsible for ensuring that the data is used in accordance with the Terms and Conditions of Use. The user acknowledges that the data is not intended to be used for any other purpose and that the user is responsible for ensuring that the data is used in accordance with the Terms and Conditions of Use.



**Compliance Report**  
**Period: 1/07/2016 - 30/06/2017**

Period: 1/07/2016 - 30/06/2017

## Outer Metro

## Hindmarsh / Victor H / Goolwa

**Encounter Bay CT 14 Pollard Court**

**Goolwa CT 53 Castle Av**

**Goolwa CT Cadell St**

Hindmarsh Island CT Lot 541 Wentworth Pde

Port Elliot CT 36 Tottenham Rd

Victor Harbor CT 5 Riverview Rd

Victor Harbor CT Bay Rd

1  
2  
3  
4  
5

**Zone Summary:** Hindmarsh / Victor H / Goolwa

## Mysonga / Hindmarsh Valley

Nettle Hill CT Lot 121 Nettle Hill Rd

**Zone Summary:** Myponga / Hindmarsh Valley

### **Mypanga / Normanville**

### Camickalinga CT 27 Solitude

Myponga CT 79 Main South Rd

**Normanville CT 20 Heathcote St**

# 1

**Zone Summary:** **Mypunga / Normanville**

## System Summary

### Out of Scope

Mercury - Total	Molybdenum - Total	Nickel - Total	Selenium - Total	Silver - Total	Sulphate	Uranium - Total	Cyanide as CN - Total	Fluoride	Iodide	Nitrate as Nitrogen	Nitrite as Nitrogen	Bromide
- Potable Zone (ADWG compliant)												
100.0% (1)	100.0% (1)	100.0% (4)	100.0% (1)	100.0% (1)		100.0% (1)	100.0% (1)	100.0% (4)	100.0% (1)			
1/1	1/1	4/4	1/1	1/1	0/0	1/1	1/1	4/4	1/1	0/0	0/0	0/0
- Potable Zone (ADWG compliant)												
0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
- Potable Zone (ADWG compliant)												
100.0% (1)	100.0% (1)	100.0% (4)	100.0% (1)	100.0% (1)	0/0	100.0% (1)	100.0% (1)	100.0% (4)	100.0% (1)			
1/1	1/1	4/4	1/1	1/1	0/0	1/1	1/1	4/4	1/1	0/0	0/0	0/0
2/2	2/2	8/8	2/2	2/2	0/0	2/2	2/2	8/8	2/2	0/0	0/0	0/0



**Disclaimer:** The provision of the data contained in this report to a user is subject to SA Water's Terms and Conditions waterscope use. Subject only to any responsibility or liability implied by law which cannot be excluded, SA Water is not liable for any losses, damages, liabilities, claims and expenses relating to or arising out of the provision of the data. Where any responsibility or liability cannot by law be excluded, SA Water's liability is limited to the supply of corrected data, where available.



# Compliance Report

Period: 1/07/2016 - 30/06/2017

## ADWG Health Components

### Outer Metro

#### Myponga WTP

##### Hindmarsh / Victor H / Goolwa

Encounter Bay CT 14 Pollard Court  
Goolwa CT 53 Castle Av  
Goolwa CT Cadell St  
Hindmarsh Island CT Lot 541 Wentworth Pde  
Port Elliot CT 36 Tottenham Rd  
Victor Harbor CT 5 Riverview Rd  
Victor Harbor CT Bay Rd

##### Potable system - Potable Zone (ADWG compliant)

Chlorite	Chloroacetic Acid	Dichloroacetic Acid	Trichloroacetic Acid	2-chlorophenol	4-chlorophenol	2,4,6-trichlorophenol	Formaldehyde	Chloral hydrate	Trihalomethanes - Total	2,4-D	2,4,6-T	Chlorosulfon
14811									69.2% (13)			
11063									38.5% (13)			
2069									46.2% (13)			
7978												
7806												
7807	100.0% (2)	100.0% (2)	100.0% (2)	100.0% (2)	100.0% (2)	100.0% (2)		100.0% (2)	38.5% (13)			
2093												
0/0	2/2	2/2	2/2	2/2	2/2	2/2	0/0	2/2	25/52	0/0	0/0	0/0

##### Zone Summary: Hindmarsh / Victor H / Goolwa

##### Myponga / Hindmarsh Valley

Nettle Hill CT Lot 121 Nettle Hill Rd

##### Potable system - Potable Zone (ADWG compliant)

78370									100.0% (26)			
0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	26/26	0/0	0/0	0/0

##### Zone Summary: Myponga / Hindmarsh Valley

##### Myponga / Normanville

Carrickalinga CT 27 Softude Dr  
Myponga CT 79 Main South Rd  
Normanville CT 20 Heathcote St

##### Potable system - Potable Zone (ADWG compliant)

16970									100.0% (13)			
7977									92.3% (13)			
1695	100.0% (2)	100.0% (2)	100.0% (2)	100.0% (2)	100.0% (2)	100.0% (2)		100.0% (2)	100.0% (13)			
0/0	2/2	2/2	2/2	2/2	2/2	2/2	0/0	2/2	38/39	0/0	0/0	0/0
0/0	4/4	4/4	4/4	4/4	4/4	4/4	0/0	4/4	89/117	0/0	0/0	0/0

##### Zone Summary: Myponga / Normanville

##### System Summary Myponga WTP

Out of Scope



**Disclaimer:** The provision of the data contained in this report to a user is subject to SA Water's Terms and Conditions Waterscope use. Subject only to any responsibility or liability implied by law which cannot be excluded, SA Water is not liable for any losses, damages, liabilities, claims and expenses relating to or arising out of the provision of the data. Where any responsibility or liability cannot be excluded, SA Water's liability is limited to the supply of corrected data, where available.





# Compliance Report

Period: 1/07/2016 - 30/06/2017

## ADWG Health Components

### Outer Metro

#### Myponga WTP

##### Hindmarsh / Victor H / Goolwa

Encounter Bay CT 14 Pollard Court

Goolwa CT 53 Castle Av

Goolwa CT Cadell St

Hindmarsh Island CT Lot 541 Wentworth Pde

Port Elliot CT 38 Tottenham Rd

Victor Harbor CT 5 Riverview Rd

Victor Harbor CT Bay Rd

#### Zone Summary: Hindmarsh / Victor H / Goolwa

##### Myponga / Hindmarsh Valley

Nettle Hill CT Lot 121 Nettle Hill Rd

#### Zone Summary: Myponga / Hindmarsh Valley

##### Myponga / Normanville

Canickalinga CT 27 Solitude Dr

Myponga CT 79 Main South Rd

Normanville CT 20 Heathcote St

#### Zone Summary: Myponga / Normanville

##### System Summary Myponga WTP

Out of Scope

Endosulfan 2  
Endosulfan Sulphate  
Heptachlor  
Heptachlor Epoxide  
Lindane  
Methoxychlor  
Trifluralin  
Atrazine  
Asinphos-me  
thyl  
Diazinon  
Fenitrothion  
Hexazinone  
Parathion

#### Potable system - Potable Zone (ADWG compliant)

14611

11063

2069

7978

7806

7807

2093

#### Potable system - Potable Zone (ADWG compliant)

78370

#### Potable system - Potable Zone (ADWG compliant)

16970

7877

1695

#### System Summary Myponga WTP

Out of Scope



**Disclaimer:** The provision of the data contained in this report to a user is subject to SA Water's Terms and Conditions Waterscope use. Subject only to any responsibility or liability implied by law which cannot be excluded, SA Water is not liable for any losses, damages, liabilities, claims and expenses relating to or arising out of the provision of the data. Where any responsibility or liability cannot be excluded, SA Water's liability is limited to the supply of corrected data, where available.

**Compliance Report**  
**Period: 1/07/2016 - 30/06/2017**

## ADWG Health Components

## Outer Metro

### Mypanga WTP

## Hindmarsh / Victor H / Goolwa

**Encounter Bay CT 14 Pollard Court**

**Goolwa CT 53 Castle Av**

**Goolwa CT Cadell St**

Hindmarsh Island CT Lot 541 Wentworth Pde

Port Elliot CT 36 Tottenham Rd

Victor Harbor CT 5 Riverview Rd

Victor Harbor CT Bay Rd

**Zone Summary:** Hindmarsh / Victor H / Goodwa

## Myponga / Hindmarsh Valley

Nettle Hill CT Lot 121 Nettle Hill Rd

**Zone Summary:** Myponga / Hindmarsh Valley

## Myponga / Normanville

**Carickalinga CT 27 Software Dr**

Myponga CT 79 Main South Rd

**Normanville CT 20 Heathcote St**

### Zone Summary:

## Myponga WTP

## Out of Scope

Parathion methyl	Simazine	Glyphosate	Radon - 222	Annual Radiation Dose	pentachlorop henol	NDA
- Potable Zone (ADWG compliant)						
0/0	0/0	0/0	0/0	0/0	2/2	0/0
- Potable Zone (ADWG compliant)						
0/0	0/0	0/0	0/0	0/0	0/0	0/0
- Potable Zone (ADWG compliant)						
0/0	0/0	0/0	0/0	0/0	2/2	0/0
0/0	0/0	0/0	0/0	0/0	4/4	0/0



**Disclaimer:** The provision of the data contained in this report to a user is subject to SA Water's Terms and Conditions of Use. The data is provided for informational purposes only and is not intended to be used for any other purpose. SA Water is not liable for any losses, damages, liabilities, claims and expenses relating to or arising out of the provision of the data. Where any responsibility or liability cannot by law be excluded, SA Water's liability is limited to the supply of corrected data, where available.



## Exception Report for SA Water

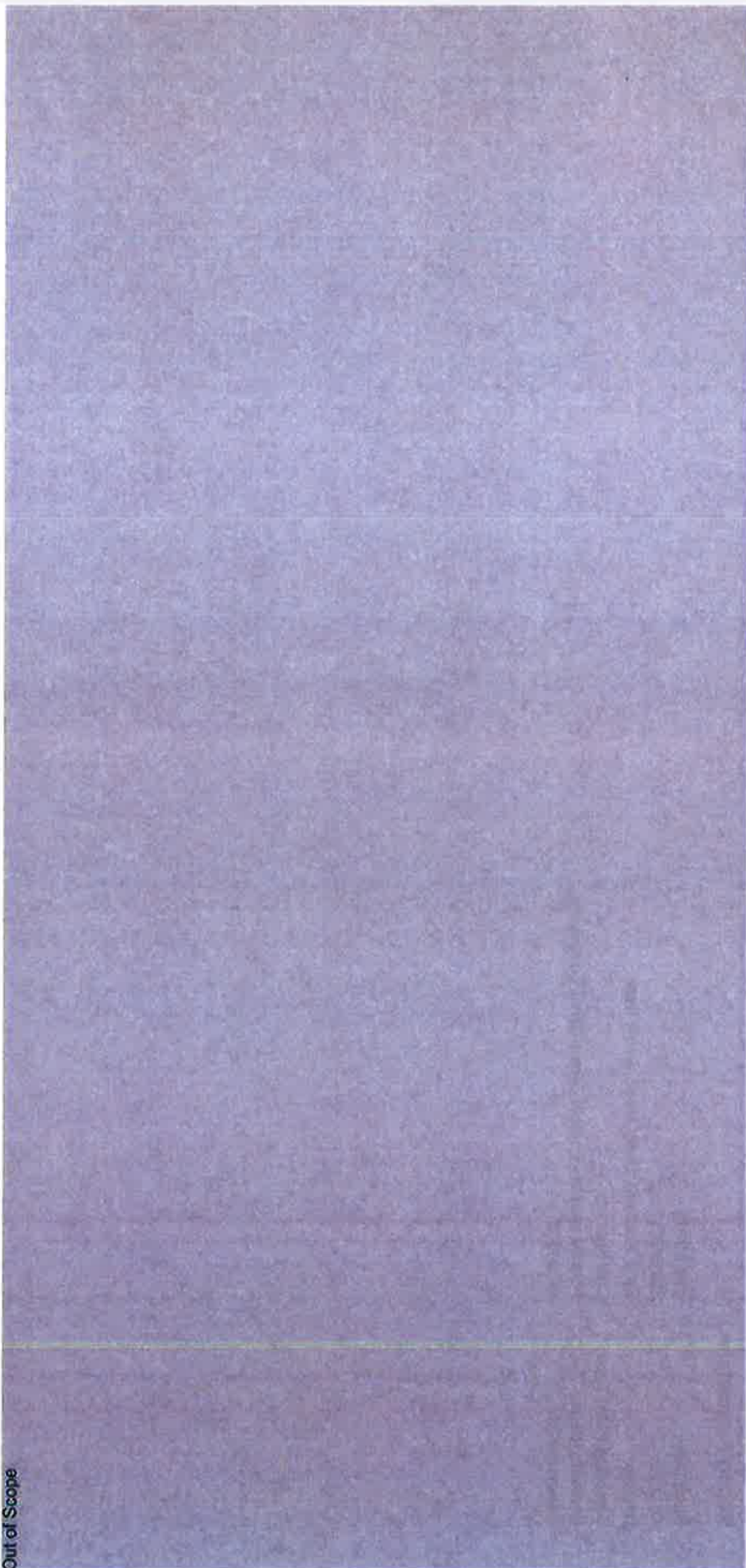
(Modified on : 15/07/2017 3:15:01AM)

### Report Parameters

**From Date:** 01/07/2016  
**To Date:** 30/06/2017  
**Region:** Eyre, Northern, Outer Metro, South East  
**Sampling Point Type:** Customer tap  
**Potability Name:** Potable system - Potable Zone (ADWG compliant)  
**Generated by:** NI000605

**Exception Report for SA Water**  
**Period : 1/07/2016 - 30/06/2017**

Out of Scope



**System:** Myponga WTP  
**Zone:** Hindmarsh / Victor H / Goolwa  
**Potable system - Potable Zone (ADWG compliant)**



**Disclaimer:** The provision of the data contained in this report to a user is subject to SA Water's Terms and Conditions Waterscope use. Subject only to any responsibility or liability implied by law which cannot be excluded, SA Water is not liable for any losses, damages, liabilities, claims and expenses relating to or arising out of the provision of the data. Where any responsibility or liability cannot be excluded, SA Water's liability is limited to the supply of corrected data, where available.



# Exception Report for SA Water

Period : 1/07/2016 - 30/06/2017

Sampling Point	Sampling Point Description	Date	Component	Result	Units
2069	Goolwa CT Cadell St	07/07/2016	Trihalomethanes - Total	269	µg/L
2069	Goolwa CT Cadell St	04/08/2016	Trihalomethanes - Total	263	µg/L
2069	Goolwa CT Cadell St	19/01/2017	Trihalomethanes - Total	287	µg/L
2069	Goolwa CT Cadell St	16/02/2017	Trihalomethanes - Total	283	µg/L
2069	Goolwa CT Cadell St	16/03/2017	Trihalomethanes - Total	290	µg/L
2069	Goolwa CT Cadell St	13/04/2017	Trihalomethanes - Total	296	µg/L
2069	Goolwa CT Cadell St	12/05/2017	Trihalomethanes - Total	284	µg/L
2069	Goolwa CT Cadell St	09/06/2017	Trihalomethanes - Total	264	µg/L
7607	Victor Harbor CT 5 Riverview Rd	07/07/2016	Trihalomethanes - Total	269	µg/L
7607	Victor Harbor CT 5 Riverview Rd	24/11/2016	Trihalomethanes - Total	261	µg/L
7607	Victor Harbor CT 5 Riverview Rd	19/01/2017	Trihalomethanes - Total	289	µg/L
7607	Victor Harbor CT 5 Riverview Rd	16/02/2017	Trihalomethanes - Total	293	µg/L
7607	Victor Harbor CT 5 Riverview Rd	16/03/2017	Trihalomethanes - Total	275	µg/L
7607	Victor Harbor CT 5 Riverview Rd	13/04/2017	Trihalomethanes - Total	287	µg/L
7607	Victor Harbor CT 5 Riverview Rd	12/05/2017	Trihalomethanes - Total	282	µg/L
7607	Victor Harbor CT 5 Riverview Rd	09/06/2017	Trihalomethanes - Total	257	µg/L
7978	Hindmarsh Island CT Lot 541 Wentworth Pde	24/11/2016	Trihalomethanes - Total	256	µg/L
7978	Hindmarsh Island CT Lot 541 Wentworth Pde	19/01/2017	Trihalomethanes - Total	279	µg/L
7978	Hindmarsh Island CT Lot 541 Wentworth Pde	23/02/2017	Trihalomethanes - Total	274	µg/L
7978	Hindmarsh Island CT Lot 541 Wentworth Pde	16/03/2017	Trihalomethanes - Total	291	µg/L
7978	Hindmarsh Island CT Lot 541 Wentworth Pde	13/04/2017	Trihalomethanes - Total	321	µg/L
7978	Hindmarsh Island CT Lot 541 Wentworth Pde	12/05/2017	Trihalomethanes - Total	285	µg/L
7978	Hindmarsh Island CT Lot 541 Wentworth Pde	08/06/2017	Trihalomethanes - Total	275	µg/L
14611	Encounter Bay CT 14 Pollard Court	16/02/2017	Trihalomethanes - Total	280	µg/L
14611	Encounter Bay CT 14 Pollard Court	16/03/2017	Trihalomethanes - Total	282	µg/L
14611	Encounter Bay CT 14 Pollard Court	13/04/2017	Trihalomethanes - Total	288	µg/L
14611	Encounter Bay CT 14 Pollard Court	08/06/2017	Trihalomethanes - Total	260	µg/L
<b>Zone: Myponga / Normanville</b>					
<b>Potable system - Potable Zone (ADWG compliant)</b>					
7977	Myponga CT 79 Main South Rd	05/05/2017	Trihalomethanes - Total	270	µg/L

Region: South East



**Disclaimer:** The provision of the data contained in this report to a user is subject to SA Water's Terms and Conditions Waterscope use. Subject only to any responsibility or liability implied by law which cannot be excluded, SA Water is not liable for any losses, damages, liabilities, claims and expenses relating to or arising out of the provision of the data. Where any responsibility or liability cannot by law be excluded, SA Water's liability is limited to the supply of corrected data, where available.

**Roberts, Ben**

---

**From:** Nicdao, Rafael  
**Sent:** Wednesday, 12 July 2017 11:17 AM  
**To:** Winter, John  
**Cc:** WQ Improvement and Compliance  
**Subject:** FW: Health Statement (Quarter 4) and External water carters  
**Attachments:** SA Health statement Apr\_Jun 17\_RN.docx; SA Health statement Apr\_Jun 17.docx

Hi John

The one with RN in the file name can be used for the Quarterly report  
 The one without RN in the file name can be used for the Minister's Goals Report.

cheers

**RAF NICDAO**  
 DHA Liaison Officer  
 Water Expertise Unit, Business Services Group, SA Water  
 T 08 7424 2022  
 M 0419 199 711  
 E [rafael.nicdao@sawater.com.au](mailto:rafael.nicdao@sawater.com.au)

---

**From:** Tsymbal, Vladimir (Health) [mailto:[Vladimir.Tsymbal2@sa.gov.au](mailto:Vladimir.Tsymbal2@sa.gov.au)]  
**Sent:** Wednesday, 12 July 2017 11:07 AM  
**To:** Nicdao, Rafael  
**Subject:** RE: Health Statement (Quarter 4) and External water carters

Hi Raf,

That's fine.

Cheers,

Vlad

---

**From:** Nicdao, Rafael [mailto:[Rafael.Nicdao@sawater.com.au](mailto:Rafael.Nicdao@sawater.com.au)]  
**Sent:** Wednesday, 12 July 2017 10:58 AM  
**To:** Tsymbal, Vladimir (Health)  
**Cc:** Winter, John  
**Subject:** RE: Health Statement (Quarter 4) and External water carters

Hi Vlad

For the quarterly report, we are only including the statement on drinking water supplies so I amended the report (i.e. removed the WW incident)– see attached, please confirm this is ok?

We will still use your original statement for the Minister's Goals Report which is due next week, which includes wastewater/environmental incidents.

**RAF NICDAO**  
 DHA Liaison Officer  
 Water Expertise Unit, Business Services Group, SA Water  
 T 08 7424 2022  
 M 0419 199 711  
 E [rafael.nicdao@sawater.com.au](mailto:rafael.nicdao@sawater.com.au)



---

**From:** Tsymbal, Vladimir (Health) [<mailto:Vladimir.Tsymbal2@sa.gov.au>]  
**Sent:** Wednesday, 12 July 2017 10:44 AM  
**To:** Nicdao, Rafael  
**Subject:** RE: Health Statement (Quarter 4) and External water carters

Hi Raf,

The SA Health Statement and a list of currently registered water carters are attached.

Cheers,

Vlad

**Vladimir Tsymbal**  
**Senior Scientific Officer (Water Quality)**

Public Health Services  
SA Health  
Government of South Australia

**Tel:** (08) 8226 6755  
**Email:** [vladimir.tsymbal@health.sa.gov.au](mailto:vladimir.tsymbal@health.sa.gov.au)  
**Web site:** [www.sahealth.sa.gov.au](http://www.sahealth.sa.gov.au)

This e-mail may contain confidential information, which may be legally privileged. Only the intended recipient's may access, use, distribute or copy this e-mail. If this e-mail is received in error, please inform the sender by return e-mail and delete the original. If there are doubts about the validity of this message, please contact the sender by telephone. It is the recipient's responsibility to check the e-mail and any attached files for viruses.

---

**From:** Nicdao, Rafael [<mailto:Rafael.Nicdao@sawater.com.au>]  
**Sent:** Tuesday, 11 July 2017 8:42 AM  
**To:** Tsymbal, Vladimir (Health)  
**Cc:** WQ Improvement and Compliance  
**Subject:** RE: Health Statement (Quarter 4) and External water carters

Hi Vlad

Sorry for the short notice, the SA Health Statement for the Quarterly report (April to June) is due on Thursday 13/7/17.

Also, when you send me the statement, can you also provide me with an updated file of External water carters – so we can update this on our DWQMS site. – we will ask for an update of this every quarter to ensure we have an updated list on our side.

Regards

**RAF NICDAO**  
DHA Liaison Officer  
Water Expertise Unit, Business Services Group, SA Water  
T 08 7424 2022  
M 0419 199 711  
E

[www.sawater.com.au](http://www.sawater.com.au)  
Follow us on [Twitter](#), [YouTube](#) and [Flickr](#)

250 Victoria Square, Adelaide SA 5000

GPO Box 1751, Adelaide SA 5001

Be green - read on the screen

---

**South Australian Water Corporation disclaimer**

This e-mail and any attachments to it may be confidential and/or subject to legal professional privilege. If you are not the intended recipient you may not disclose or use the information contained in the message in any way. If received in error please delete all copies and contact the sender by return e-mail. No warranty is made that any attachments are free from viruses. It is the recipient's responsibility to establish its own protection against viruses and other damage. Be green - read on the screen

---

**South Australian Water Corporation disclaimer**

This e-mail and any attachments to it may be confidential and/or subject to legal professional privilege. If you are not the intended recipient you may not disclose or use the information contained in the message in any way. If received in error please delete all copies and contact the sender by return e-mail. No warranty is made that any attachments are free from viruses. It is the recipient's responsibility to establish its own protection against viruses and other damage. Be green - read on the screen

---

**South Australian Water Corporation disclaimer**

This e-mail and any attachments to it may be confidential and/or subject to legal professional privilege. If you are not the intended recipient you may not disclose or use the information contained in the message in any way. If received in error please delete all copies and contact the sender by return e-mail. No warranty is made that any attachments are free from viruses. It is the recipient's responsibility to establish its own protection against viruses and other damage.

### **SA HEALTH STATEMENT**

Compliance with the requirements of the Safe Drinking Water Act continued this reporting period. Monitoring of drinking water supplies was undertaken in accord with SA Health approved monitoring programs. Monitoring results were provided to SA Health and where required incidents were notified in line with the Water/Wastewater Incident Notification and Communication Protocol.

Out of Scope





**Roberts, Ben**

---

**From:** Lang, Amber  
**Sent:** Monday, 23 April 2018 2:59 PM  
**To:** Winter, John  
**Subject:** FW: Country - Rolling 12 Month EXCEPTION  
**Attachments:** Country - Rolling 12 Month EXCEPTION - 2017-07-15-03-15-58.pdf

-----Original Message-----

**From:** Nicdao, Rafael  
**Sent:** Saturday, 15 July 2017 3:16 AM  
**To:** Department of Health Water Quality Section (HEALTH SA)  
**Cc:** S&P-Improvement&Compliance; Nicdao, Rafael; Lucas, Jeremy; WT&Q TSO Group  
**Subject:** Country - Rolling 12 Month EXCEPTION

The attached report is automatically generated by WaterScope. Please email your feedback or comment to [rafael.nicdao@sawater.com.au](mailto:rafael.nicdao@sawater.com.au)

**Roberts, Ben**

---

**From:** Lang, Amber  
**Sent:** Monday, 23 April 2018 3:03 PM  
**To:** Winter, John  
**Subject:** FW: Country - Rolling 12 Month Compliance  
**Attachments:** Country - Rolling 12 Month Compliance - 2017-07-15-20-15-43.pdf

-----Original Message-----

**From:** Nicdao, Rafael  
**Sent:** Sunday, 16 July 2017 9:23 AM  
**To:** Department of Health Water Quality Section (HEALTH SA)  
**Cc:** S&P-Improvement&Compliance; Nicdao, Rafael; Lucas, Jeremy; WT&Q TSO Group  
**Subject:** Country - Rolling 12 Month Compliance

The attached report is automatically generated by WaterScope. Please email your feedback or comment to [rafael.nicdao@sawater.com.au](mailto:rafael.nicdao@sawater.com.au)

**Roberts, Ben**

---

**From:** Lang, Amber  
**Sent:** Monday, 23 April 2018 2:59 PM  
**To:** Winter, John  
**Subject:** FW: Country - Rolling 12 Month EXCEPTION  
**Attachments:** Country - Rolling 12 Month EXCEPTION - 2017-07-15-03-15-58.pdf

-----Original Message-----

**From:** Nicdao, Rafael  
**Sent:** Saturday, 15 July 2017 3:16 AM  
**To:** Department of Health Water Quality Section (HEALTH SA)  
**Cc:** S&P-Improvement&Compliance; Nicdao, Rafael; Lucas, Jeremy; WT&Q TSO Group  
**Subject:** Country - Rolling 12 Month EXCEPTION

The attached report is automatically generated by WaterScope. Please email your feedback or comment to [rafael.nicdao@sawater.com.au](mailto:rafael.nicdao@sawater.com.au)



