

## Cooling Water System - Field Service Report

04 Dec 2020

### Site and contact details

Record	Details	
Site address	Alan Woods Building - 25 Constitution Avenue Canberra 2601 Australian Capital Territory Australia - EVAPS	
Cooling water system details (number of cooling towers, and unique identification number for each cooling tower)	<b>System UID</b> ACT-CT-539300-01	<b>Assett UID's</b> ACT-CT-539300-01 ACT-CT-539300-02 ACT-CT-539300-03 ACT-CT-539300-04
Local government authority (where this system is located)	ACT Government	

### Period covered by this monthly report

Record	Dates
Period covered by current RMP (up to 5 year period)	to
Date(s) of inspection(s) carried out this month	04th Dec, 2020

## Microbial testing – in accordance with section 3.2 and 3.3 of AS/NZS 3666.3:2011

Record	Results (in cfu/mL)			Date(s) sampled
Legionella count	Sonic Testing:			04th Dec, 2020
	LP1/LP2-14	LSU	Total Legionella	
	<10	<10	<10	
	Occupier to insert other, ie. In case of independent sampling			
Heterotrophic colony count	Sonic Testing:			04th Dec, 2020
	<1000			
	Occupier to insert other, ie. In case of independent sampling			

## Chemical analysis – in accordance with section 3.4 and 3.5 of AS/NZS 3666.3:2011

Record	Results		Date(s) tested
Conductivity/TDS	500		04th Dec, 2020
pH	7		04th Dec, 2020
Other criteria necessary for effective management of corrosion, scaling, fouling and microbial growth	Alkalinity (mg/L)	200	04th Dec, 2020
	Chlorides (mg/L)	120	
	Free Halogen residual (mg/L)	1	
	ORP (mV)	615	
	Copper (mg/L)		
	Iron (mg/L)		
Temperature (measured at the return line)	21		04th Dec, 2020

## Inspection and other checks – in accordance with section 3.4 of AS/NZS 3666.3:2011


Record	Results	Date(s) reviewed
Physical condition of the system	System is in satisfactory physical condition	04th Dec, 2020

Operation of the bleed control system	• Automated Conductivity Control Bleed in place as part of controller. Tested operation of bleed control system and found to be satisfactory		04th Dec, 2020
Operation of the make-up water system (including chemical dosing and control system)	Mains Water Supply		04th Dec, 2020
	Chloride (mg/L)	20	
	TDS (mg/L)	70	
Cycles of concentration	6.00		04th Dec, 2020
Corrosion rate (involving monthly visual assessment and/or quarterly laboratory testing, as required by the RMP)	Corrosion monitoring results if applicable:		04th Dec, 2020
	Mild Steel		
	Copper		
	Stainless Steel		
	Galvanised Steel		
	Corrosion coupons in place. Visual assessment conducted and no corrosion evident		
Adequacy of scale and corrosion inhibition	Corrosion inhibitor result (ppm)	10	04th Dec, 2020
	Yes		
Cleanliness of wet surfaces (visibly free from accumulations of sludge, foam, slime, rust, scale, dirt and larger mineral or organic deposits)	Wet surfaces appear clean		04th Dec, 2020
Date of most recent cleaning	23rd Oct, 2020		04th Dec, 2020
Changes in the local environment (for example, local building demolition or construction, which should be recorded if noted during inspection)			04th Dec, 2020

## Remedial actions taken or recommended – in accordance with section 3.7 of AS/NZS 3666.3:2011

List of remedial actions taken or recommended this month	Action Taken
Slug dosed cooling tower system with additional biocide to perform precautionary online disinfection following collection of microbial sample.	
<b>Remedial Actions taken (if applicable)</b> <ul style="list-style-type: none"> <li>- levels satisfactory</li> <li>- chemical drum levels satisfactory</li> <li>- Installed filtration nozzles</li> </ul>	
<b>Equipment supplied/installed (if applicable)</b>	
<b>Stock delivered/required (if applicable)</b>	
<b>Delivered</b>	
<b>Required</b>	
<b>System Conformance / Non-Conformance</b> System Conformance	

### Details of person completing the form

<b>Name of person completing the form</b>	<b>Contact details (phone number, email, postal address)</b>
Jarrod Strange	SAS Water Solutions. Unit 13,15-21 Beaconsfield Street, Fyshwick 2609 t: +61 2 6108 4799 e: serviceact@saswater.com.au
<b>Signature of person completing the form</b>	<b>Date</b>
	04th Dec, 2020
<b>Role of person completing the form</b>	<b>Employer (name of company or organisation)</b>
Service Technician ACT	SAS Water Solutions. Unit 13,15-21 Beaconsfield Street, Fyshwick 2609 t: +61 2 6108 4799 e: serviceact@saswater.com.au