

NSW Health Approved Form 3 Report

Location: CLINGCAST METALS
Client: CLINGCAST METALS PTY LTD
Client No: N14779
Contract: NC10691

System name: BAC
Month: January 2022

Site and Contact Details

Provide the name, phone numbers (business hours, after hours and mobile numbers) email address and postal address for each of the contact person listed below.

Record	Details	
Site Address	98 BATH ROAD, KIRRAWEE, NSW, 2322	
Cooling water system details (number of cooling towers and unique identification number for each cooling tower)	Number of cooling towers	UID
	1	● SSC-HLT832583-0026-01
Local government authority (where this system is located)	Sutherland Shire Council	
Occupier name and contact details (the person or entity who owns the system)	Name: Paul L Clingan Email Address: Paul@clingcast.com.au Phone: 02 9521 1382 Phone Type: BUS DIR Address: PO Box 531, NSW, 1499	
Duly qualified person		
Duly qualified person name (the person who attended the site during this month)	LYNDSEY CHAN	
Employer and contact details (the person or entity who operates or maintain the system)	HydroChem Address: 12/71A Milperra Road, Revesby NSW 2212 Tel: (02) 9792 1444 Email: nsw@hydrochem.com.au	

Period covered by this monthly report

Record	Details
Period being reported (calendar month)	January
Period covered by current RMP (up to 5 year period)	20 Jul 2021 TO 30 Jun 2022
Date(s) of inspection(s) carried out this month	<ul style="list-style-type: none">12 Jan 2022

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

Record	Details	Date(s) sampled
Legionella Count	0	12 Jan 2022
HCC Count	2000	12 Jan 2022

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

Record	Details	Date(s) tested
Conductivity/TDS	950 (Min= 500.0 Max= 1500.0)	12 Jan 2022
pH	7.6 (Min= 7.0 Max= 8.2)	12 Jan 2022
TAH	0.1 (Min= 0.4 Max= 1.0)	12 Jan 2022
Other criteria necessary for effective management of corrosion, scaling, fouling and microbial growth	Inhibitor	400 (Min= 200.0 Max= 400.0)
	Chloride	310 (Min= 200.0 Max= 500.0)
	M Alkalinity	180 (Min= 20.0 Max= 300.0)
Temperature (measured at the return line)	offline	12 Jan 2022

Inspection and other checks- in accordance with section 3.4 and 3.5 of AS/NZS 3666.3:2011

Record	Details	Date(s) reviewed
Physical condition of the system	Fair	12 Jan 2022
Operation of the bleed control system	operating	12 Jan 2022
Operation of the make-up water system (including chemical dosing and control system)	operating	12 Jan 2022
Cycles of concentration	NA	NA

Corrosion rate (involving monthly visual assessment and/or quarterly laboratory testing, as required by RMP)	none evident				12 Jan 2022	
	Coupon Type	Date In	Weight In	Date Out	Weight Out	Corrosion Rate (mpy)
	NA	NA	NA	NA	NA	NA

Inspection and other checks- in accordance with section 3.4 and 3.5 of AS/NZS 3666.3:2011

Record	Details	Date(s) reviewed
Adequacy of scale and corrosion inhibition	400 (Min= 200.0 Max= 400.0)	12 Jan 2022
Cleanliness of wet surfaces (visibly free from accumulation of sludge, foam, slime, rust, scale, dirt and larger mineral or organic deposits)	mildly dirty	12 Jan 2022
Date of most recent cleaning (in accordance with the RMP)		04 Feb 2022
Changes in the local environment (for example, local building demolition or construction, which should be recorded if noted during inspection)	no changes	12 Jan 2022

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

Note any remedial actions taken or recommended by the duly qualified person during this month. Action may be taken in response to a significant change in the local environment, work practice or equipment. The duly qualified person can use this step to prompt the occupier to engage a competent person to take a preventative or corrective actions, corrective actions, and potentially undertake a new risk assessment and RMP.

List of remedial action taken or recommended this month.		
no action taken		Action Taken

Attach documents and photographs to support the monthly report after this page.

The Regulation require certain result and records to be kept on the premises and made available immediately, or kept electronically and made available within 4 hours of request. These include operating and maintenance manuals; RMPs; results of microbial and testing and chemical analysis; and maintenance records (in accordance with section 3, 7 of AS/NZS 3666.3:2011).

Details of person completing the form

Name of person completing the form	Contact details (phone number, email, postal address)
LYNDSEY CHAN	(02) 9792 1444

Signature of person completing the form	Date
LYNDSEY CHAN	18 Feb 2022

Role of person completing the form	Employer (name of company or organization)
Services Engineer	HydroChem

CLINGCAST METALS PTY LTD**CLINGCAST METALS****January 2022**

This report summarises all Legionella and HCC results for **CLINGCAST METALS** for **January 2022**

1. BAC

Legionella Species Report:

Date	Service Call ID	Result (CFU/mL)	Acceptable
12 Jan 2022	2201-1721	0	YES

1. BAC

Heterotrophic Colony Count Report:

Date	Service Call ID	Result (CFU/mL)	Acceptable
12 Jan 2022	2201-1721	2000	YES

2. WHAT DO MY RESULTS MEAN?

Legionella Species Report:

A zero result indicates less than 10 organisms per 1 millilitre (AS/NZS 3896). Results were estimated after an incubation period of 7 days at 36C+/-1C. Sampled using procedures certified to ISO 9001 (Reg No 6465). Analyses carried out using procedures to AS3896. All samples were tested by a NATA Registered Laboratory

Heterotrophic Colony Count Report:

HCC Result is useful in assessing the efficacy of biocidal treatment and state of microbiological control of organisms in the system. It is not a measurement of Legionella and does not reflect the physical condition of the cooling water.

Results are reported as colony forming units in 1 millilitre of sample. Samples incubated for 48 hours at 36C+/-1C as per AS4276.3.1/2. All samples were tested by a NATA Registered Laboratory

Contact Us

At HydroChem we're recognised as the clear market leader in Australia's water treatment industry. Our mission is simple: to bring world-class water treatment products and services to clients across Australia. Please contact your account manager for any queries.

Improvement Notice



Location: CLINGCAST METALS
Client: CLINGCAST METALS PTY LTD
Attention: PAUL*
Date: 12/01/2022
Client No: N14779
Contract: NC10691

Technician: LYNDSEY CHAN
Service Call: 2201-1721
Issued By: SYDN
Contact No: 02 9792 1444

Improvement Notice

System description

BAC CT (SSC-HLT832583-0026-01)

Issue	Aquarius squeeze tubes roller blocks and injectors X 3 required.
Person informed	FM
Record of communication	In-person to authorized representative.
Prompt rectification will permit us to carry out the water treatment program effectively. Delay in rectification will increase your risk, and HydroChem's risk, in the areas of:	
<input checked="" type="checkbox"/> Risk to Public Health	<input type="checkbox"/> Corrosion
<input type="checkbox"/> Excessive Water Usage	<input type="checkbox"/> OH&S or environmental issues
<input type="checkbox"/> Scaling	<input type="checkbox"/> Increased Costs
<input type="checkbox"/> Pollution / Environmental Damage	<input type="checkbox"/> Chemical Loss
<input type="checkbox"/> Reduced Plant Life Cycle	<input checked="" type="checkbox"/> Poor Micro-biological Control - resulting in High Heterotrophic Colony Count and/or Legionella Detection
Please notify HydroChem as soon as possible following rectification of the issue/s	

Site Signature

N/A

Water Treatment Service Report



Location: CLINGCAST METALS
Client: CLINGCAST METALS PTY LTD
Attention: PAUL* **Technician:** LYNDSEY CHAN
Date: 12/01/2022 **Service Call:** 2201-1721
Client No: N14779 **Issued By:** SYDN
Contract: NC10691 **Contact No:** 02 9792 1444

Risk Assessment

If risk identified, refer to JSEA for details (√ = pass, X = fail)

- | | |
|--|---|
| <input checked="" type="checkbox"/> Safe access (falls, slips, trips)? | <input checked="" type="checkbox"/> Acceptable noise level with use of PPE? |
| <input checked="" type="checkbox"/> Safe manual handling? | <input checked="" type="checkbox"/> Shutdown procedure? |
| <input checked="" type="checkbox"/> Adequate lighting? | <input checked="" type="checkbox"/> Other (refer JSA) |

Results

BAC CT (SSC-HLT832583-0026-01)			
Analysis			
pH	7	7.6	8.2
M Alkalinity (CaCO ₃)	20	180	300
Chloride (CaCO ₃)	200	310	500
TDS (CaCO ₃)	500	950	1500
Inhibitor	Hydro 260		
	200	400	400
Free Available Halogen	Hydro 360		
	0.4	0.1	1
Inhibitor adjustments			
Adjustment (L / Kg)	Hydro 260		
Adjustment (L / Kg)	Hydro		
Inhibitor pump			
Start% / Added / Finish%	Hydro 260		
	15	8	90
Operational	<input checked="" type="checkbox"/>		
Biocide adjustments			
Adjustment (L / Kg)	Hydro 360		
	0.5		
Adjustment (L / Kg)	Hydro 256		
Biocide pump 1			
Start% / Added / Finish%	Hydro 360		
	95		95
Operational	<input checked="" type="checkbox"/>		
Biocide pump 2			
Start% / Added / Finish%	Hydro 256		
	5	15	100
Operational	<input checked="" type="checkbox"/>		
Other tests			
Cycles	9.5		
ORP set point (mV)			
Water Meter Reading			
Make up Reading			
Bleed Reading			
Cooling tower inspection			
Visible condition	Satisfactory.		
How to interpret the results			
All results in mg/L unless indicated otherwise			
<div> <div>Desired minimum →</div> <div>7</div> <div>7.7</div> <div>9.5</div> <div>← Desired maximum</div> </div>			
<div> <div>Product name →</div> <div>Hydro 464</div> <div>← Tank final level %</div> </div>			
<div> <div>Tank start level % →</div> <div>75</div> <div>6.2</div> <div>100</div> <div>← Tank final level %</div> </div>			
<div> <div>Amount added in litres →</div> <div>↑</div> <div>6.2</div> <div>← Pump operational</div> </div>			

Improvement Notice has been issued with this report

Comments

CTS: Equipment issue on Bio A pump. Squeeze tube on dosing pump requires replacement. Recommend replacing all consumables. Cooling tower drains flushed. Online disinfection carried out.

Site Signature

N/A