

WCS Group

Safe Efficient Compliance

MARLOWE Critical Services

-  WATER TREATMENT
-  WASTEWATER
-  WATER HYGIENE
-  AIR HYGIENE
-  WATER ENGINEERING
-  TRAINING SERVICES
-  ASBESTOS

Air quality data guidelines

WCS Group BOHS P601/2 engineers work to COSHH Regulation 9 and other guidelines which are subject to change from time to time. We generally observe and work to the following guidelines and parameters.

| Parameter | Advised Limits | Source | Proposed Survey Limit to Trigger Monitoring |
|----------------------------------|---|--|--|
| Temperature | 19 - 20°C Min 16°C Min 13°C with severe physical exercise | HSE guidance on SBS Workplace Regs 1992 Workplace Regs 1992 | Outside range 18-2°C |
| Humidity | 40 - 70% | HSE Guidance on SBS | Outside range 40 - 70% |
| Air Flow Velocity | 0.1 to 0.15 m/s Winter 0.1 to 0.25 m/s Summer | HSG202 General Ventilation in the Workplace HSG202 General Ventilation in the Workplace | >0.15 >0.25 |
| Carbon Dioxide CO ₂ | 1000 ppm max 5000 ppm max 15000 ppm | HSE Guidance on SBS 8 hour OES EH40 15 min OES EH40 | >1000 ppm |
| Carbon Monoxide CO | 30 ppm max 200 ppm max | 8 hour OES EH40 15 min OES EH40 | >10 ppm |
| Ozone | 0.2 ppm max | 8 hour and 15 min OES EH40 | >0.1 ppm |
| Formaldehyde | 2 ppm max | 8 hour and 15 min MEL EH40 | >1 ppm |
| Solvents / Gases | As per COSHH EH40 | COSHH / EH40 | No test at survey stage |
| Dust – Inhalable – Respirable | 10mg / m ³ 8 hours 4mg / m ³ 8 hours | COSHH EH40 | >5 mg/ m ³ >2 mg/ m ³ |
| Bacteria | 1500 cfu / m ³ | CIBSE | >1500 cfu / m ³ |
| Fungi | 1500 cfu / m ³ | CIBSE | >200 cfu / m ³ |

Key

HSE - Health and Safety Executive
HSG - HSE Guidance Document
SBS - Sick building Syndrome

OES - Occupational Exposure Standard
MEL - Maximum Exposure Limit
EH40 - Workplace Exposure Limits (for COSHH)

CFU - Colony Forming Units
CIBSE - Chartered Institute of Building Service Engineers

A Marlowe Critical Services company

WCS Group is the 'Water Treatment and Hygiene' division of the Marlowe Critical Services Group owned by parent Marlowe plc.

Marlowe plc provides one access point for specialist 'highest standards' across;

'Compliance & Facilities Software', 'Health and Safety Compliance', 'Retained HR, Employment Law & Health and Safety', 'Occupational Health Services', 'eLearning and Training Services', 'Fire Safety & Security Services', 'Water Treatment & Hygiene Services', 'Air and Ventilation Compliance', 'Asbestos Management Services'

All nine divisions can be accessed singularly or in combination.

The Group shares many common customers and collectively employs 2,200+ specialists, servicing around 30,000 customers.

Compliance. Assured.

WCS Group core services



WATER TREATMENT

Cooling Tower Systems
Evaporative Condensers
Steam Boilers
Low and Medium Pressure Heating Systems
Chilled Water Systems
Pre-commission Cleaning
Pre-Treatment Plant, Dosage, Chemical
Cycle and Control
Remote data logging
Web-based electronic log book
Swimming pools and Spas



WASTEWATER

Water Recycling
Water and Wastewater equipment supply and service
Wastewater Treatment plant design / supply / install
Wastewater equipment hire
Industrial Effluent monitoring and optimisation



WATER HYGIENE

Legionella Risk Assessment and Water Hygiene Surveys
Monitoring / Inspection Contracts with Log Book Management
Remote temperature monitoring
Cleaning and Disinfectant Works
Remedial Works
Asbestos Risk Assessment



AIR HYGIENE

Air Hygiene Risk Assessment Survey
Indoor Air Quality Monitoring
Cleaning and Treatment of Air Handling Equipment



TRAINING SERVICES

eLearning
Legionella Control Training
WCS Group / IOSH / City & Guilds / COSHH training
On-site training for bespoke needs



WATER ENGINEERING

Design and specification for water treatment
Installation
Reverse Osmosis plant
Cooling Tower maintenance
Plumbing and remedial works
Installation of water softeners
Pre-treatment plant
Closed system chemical cleaning
Waste water management
Re-purposing and harvesting of water



ASBESTOS

Asbestos Surveys
Air Monitoring and 4 Stage Clearance
Asbestos Bulk Sampling and Analysis
Fire Risk Assessment
CDM
Principle Designer
Construction Site Safety Audits
Contractor Assessment

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For a full list of our accreditations please visit: www.wcs-group.co.uk/accreditations-respository