



WATER CARE SERVICES PAKISTAN (WCSP)

A Total Water Environmental Management Company



Water Care Services Pakistan is a **Total Water & Environmental Management Company**. Water is our passion and we take it as a noble cause. We offer the efficient and effective water treatment technologies, products & services. WCSP qualified staff (engineers, chemist, environmentalist & fabrication team) provide an energy efficient, economical, green and eco-friendly and viable solution. We always strive to develop innovative and indigenous technologies.



Water Care Services Pakistan Organization

Established in 2007, WCSP is an innovative consultancy company. We specialized in integrated, sustainable and environmental management of wastewater treatment form different commercial, domestic and industrial sectors.

Our role is to guide and assist the industries and institutions to develop their capacity to manage the resources. Our staff is highly qualified and deliver high quality of work, professional approach and ability to response the need of the clients and deliver the environmental sustainable solutions.

WCSP is recognized for innovative, sustainable and flexible approaches which focus on working in close relation with international organizations and other stakeholders to build capacity and manage water resources in an integrated manner.

SUSTAINABLE WATER MANAGEMENT MODEL






- 💧 Water Conservation and Recycling
- 💧 Curiosity of innovation and new challenges
- 💧 Technological applications
- 💧 Waste to Revenue
- 💧 Environmental Compliance

OUR CLIENTS







MEMBERSHIPS

-  Pakistan Engineering Council (PEC)
-  WQA USA
-  ISO 9001-2015
-  ISO 14001-2015
-  LCCI

SCOPE OF CONSULTANCY

WCSP is delivering the wide range of in-house experience to provide the state of the art, cost effective and environmental solutions. Its integrated and multi-disciplinary consultancy brief includes:

-  Wastewater Treatment Plant (ETP &STP)
-  Drinking Water Treatment Plant
-  Reverse Osmosis (RO) Plant
-  Ultra-filtration (UF) Plant
-  Packed Type Effluent Treatment Plant
-  Sewerage Treatment Plant
-  Water Filtration Plant
-  De-mineralization system
-  Distillation Plant
-  Water Metering and logging
-  Water Credits
-  Water Audits
-  Water Testing Kits
-  Chemical Free Treatment
-  Water Softening Plant
-  Water Disinfection System
-  Quality Control and Quality Assurance System



WATER TREATMENT

Following technologies implementing by WCSP for treatment of drinking water:

- 🔵 Reverse Osmosis Plants
- 🔵 Ultra Filtration Plants
- 🔵 Simple Filtration Plants
- 🔵 Softener based Plants
- 🔵 Arsenic Treatment Plants
- 🔵 Ultra Violet & Ozone based Treatment

Reverse Osmosis (RO) Plant

Reverse Osmosis is a membrane technology to eliminate or reduce all dissolved salts (ions) from water. This produces water, soft and salt free. Water Care Services, RO plants are compact, skid mounted, and long life. Furthermore, we do SLA with customer for their system trouble free op-

Ultra-Filtration (UF) Plant

Ultra-filtration (UF) does not allow finer particles, colloidal particles, virus, spores and bacteria to pass from the membranes.

Ozone Generation System

Ozone Generators in stainless steel and Polymer Body. Ozone a unique key to disinfection and sterilization. Very Effective against Germs, reduces turbidity & bacterial load. WCSP can make from 100 mg to 2000 GPH Ozone systems. We do provide Warranty and after sales services.



WASTEWATER TREATMENT

Following waste water treatment technologies:

- Sludge Free Effluent Treatment Plant
- Electrocoagulation
- Membrane Bioreactor
- Containerized/Packaged Type Systems
- Zero Liquid Discharge
- MBBR

Sludge Free Effluent Treatment Plant

BioCleaner is a wastewater treatment system which is processed by natural bacteria to treat the wastewater. The treatment unit can treat all types of wastewater i.e. residential, commercial, industrial, and municipal waste water. It is a low footprint and Green Patent rating "A" technology.

Advantages

- No Odor
- No Sludge
- Treating Wastewater to desired level
- Low Cost of Capital Acquisition, maintenance and operational cost
- Lower Foot Prints and environmental Friendly Technology

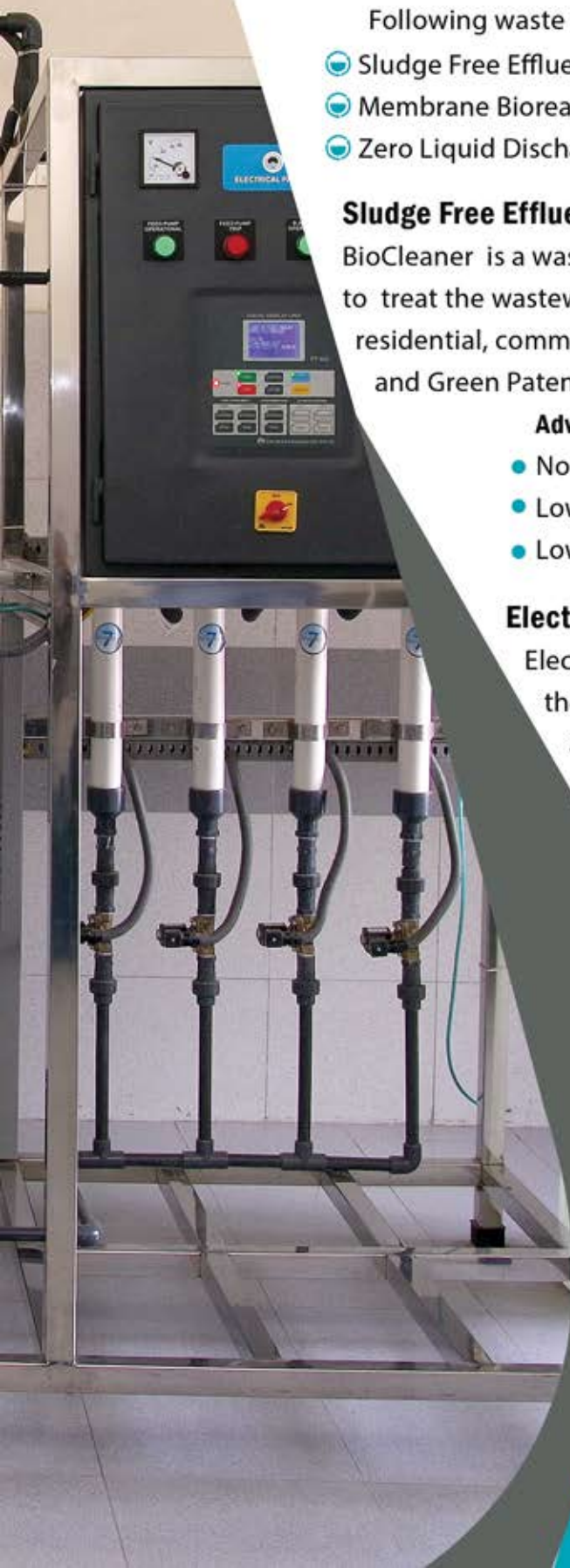
Electrocoagulation

Electrocoagulation has been the focus of environmental sector for the last few years for the treatment of different types of wastewater as it combines the benefits of electrochemistry, coagulation and flotation. It has become a potential technique for the treatment of industrial effluents due to its environmental compatibility, low cost, versatility and treatment efficiency.

Zero Liquid Discharge (ZLD)

Zero liquid discharge is a closed-loop cycle with no discharge. Methods usually involved in this system include thermal process (evaporation), membrane processes (reverse osmosis), electro-dialysis, forward osmosis, and membrane distillation.

- Physiochemical and biological pretreatment.
- Membrane processes such as Reverse Osmosis



Membrane Bioreactor

Membrane bioreactor (MBR) is a compact wastewater treatment technology for municipal and industrial wastewaters. MBR is an efficient biological treatment technology that combines biological treatment and membrane separation processes of microfiltration and ultrafiltration. The membranes act as filters that remove the solids formed during biological processes giving a pathogen free and clear product.



PACKAGE TYPE WASTEWATER TREATMENT

Our packaged type ETP are with following key features:

- One of our chief mechanisms includes the recycling and reuse of the "car wash stations water".
- Best Carwash wastewater recycling system
- Compact system, occupy low space
- Portable System

ENVIRONMENTAL MONITORING

WCSP experienced monitoring team conduct environmental monitoring by taking environmental significance into consideration. Basic environmental monitoring involves following sectors:



Air
quality
monitoring



Soil
quality
monitoring



Water
quality
monitoring



Biological
quality
monitoring

REAL-TIME MONITORING

WCSP emphasizes the adoption of advanced technology for real time monitoring of different water quality parameters. Water quality is a very vital and most critical subject to its utilization and disposal for a better compliance level.

The following parameters are checked by our systems:

- Total Organic Compounds
- Chemical Oxygen Demand
- pH, Heavy metals, Nitrate
- Total Dissolved Solids
- Biological Oxygen Demand
- Total Suspended Solids
- Electrical Conductivity

QUALITY CONTROL & ASSURANCE

Curium 247 Lab is WCSP lab for testing physical and chemical parameters of water and wastewater. Our experienced staff has expertise in Environmental, Chemical and Microbial testing. Quality of the results is a reality of our services by continuous improvement.

Contact Us (www.curium247lab.com).

In a time, WCSP has established itself as a center of excellence in water quality management, by upgrading its infrastructure and improving the expertise of its professionals. It has the capacity to analyze more various water quality parameters (drinking, irrigation and wastewater) and is fully capable to support industry, research institutes and universities in this area.

- Regular monitoring of water quality of surface, sub-surface water, sewerage and industrial effluents
- Establishment of regional water quality testing laboratories
- Development of low cost water testing and treatment/filtration technologies
- Development of national water quality database
- Capacity building of Professionals/Staff from water supply agencies

The WCSP has three main sections: *Microbiological Analysis Section; Chemical Analysis Section; and Wastewater Analysis Section*. It has the capability to analyze the various physical, chemical, microbiological parameters and trace elements.

INDUSTRIAL CHEMICALS

We provide industrial chemicals, in following fields.

- Industrial Raw material
- Water treatment Chemicals with Specific formulations & consultancy
- Minerals & salts.
- Products for low, medium and high pressure boilers
- Products for open reticulation cooling water system
- Products for closed cooling water systems
- Chemicals for microbiological control Organic and inorganic de-scalers and cleaners
- Anionic and cationic flocculants
- Chemicals for waste water treatment systems
- Drinking Water treatment chemicals (Food Grade)

WATER TESTING KITS

In field working & quick estimation, the best available options are Curium series water testing kits. It checks total hardness in water. It helps to understand water bivalent ions, and tendency for scaling. Our further kits available are;

Bicarbonates, Chloride, Free Chlorine
Nitrate, Nitrite, Ozone
Sulphate, Sulphite
Phosphate and Bacteria



20 ml

LIST OF COMPLETED PROJECTS (Wastewater Treatment Plant)

Client Name	Industry	Compliance
Combined Fabrics (LEVIs)	Textile	<p>Compliance with NEQS</p> <p><i>BOD < 80mg/l</i> <i>COD < 150mg/l</i></p>
Pharmagen Limited (GSK Vendor)	Pharmaceutical	
Shafi Reso Chemicals (SRC) Pvt. Ltd.	Chemical	
Mezan Beverages (Next Cola)	Food & Beverages	
McDonalds (F9 Islamabad)	Food industry	
Interloop Pvt. Ltd.	Textile	
Packages BSP	Pulp & Paper (Black Liquor)	
Qarshi Pvt. Ltd.	Food & Beverages	
Monnoo Textile	Textile	
Levis Cloth	Clothing brand	
Waste to Agriculture	Municipal and commercial	
Colgate Palmolive Pvt. Ltd.	Toothpaste, Detergents manufacturing	
CAMCE	Utiliy Water, STD	
Diamond Paints Pvt. Ltd.	Paints manufacturing	
Sukkur Beverages (Pepsi) Pvt. Ltd. Nothern Bottling Company Pvt. Ltd. (Pepsi) Haidri Beverages (Pepsi) Pvt. Ltd.	Food & Beverages	

CERTIFICATES

ALL CERT SYSTEMS

CERTIFICATE SERIES M N° 02190, rev. 0

is hereby certified that the Environment Management System established, implemented and maintained by

WATER CARE SERVICES PAKISTAN
 Legal office: 145B-2, Johar Town, Lahore, Pakistan
 with the following operational units
 145B-2, Johar Town, Lahore, Pakistan

complies with the requirements of

SR EN ISO 14001: 2015 (ISO 14001:2015)

for the following activity

provision of environmental management consultancy service, including water and wastewater treatment

Issue date: 09.08.2019 Valid up to: 08.08.2022

Issued by
 Monica Pescaru
 General Manager
 All Cert Systems

This document is valid & followed by Annex and only if the surveillance audit is finished, and the certificate presents the actual use.

COO: F.B.2.51, Rev. 3

ALL CERT SYSTEMS

CERTIFICATE SERIES C N° 03349, rev. 0

is hereby certified that the Quality Management System established, implemented and maintained by

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**ANNEX AT CERTIFICATE
 SERIES C NUMBER 03349, rev. 0**

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GET IN TOUCH



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