



# INTRODUCTION

## It's all about water quality!

technology, experience & know-how to clarify water

**Interface h2o™, LLC is an emerging service provider specializing in the removal of suspended and dissolved contaminants from water.**

Formed in 2010, the staff of Interface h2o brings together over 50 years of experience, uniquely suited to address the increasingly recognized concern that suspended and dissolved contaminants are adversely affecting the safety, environmental quality and aesthetics of surface waters. This practical, problem-solving experience comes from three complementary careers – a contractor specializing in the installation and maintenance of erosion and sedimentation control BMPs; a former regulator in the soil erosion and sedimentation control field, with over 14 years of storm water management experience, and a consulting hydrogeologist with 30 years experience in environmental stabilization and remediation projects ... a solid team to solve difficult water quality problems.

**Interface h2o's** current offerings include **WaterMatrix™** units - portable treatment equipment that uses environmentally safe flocculation/chelation agents to capture and remove a broad spectrum of contaminants from water. Whether fed by pump discharges or gravity flow, with either continuous or batch treatment requirements, **WaterMatrix** units use gravity flow-through processes that enable floc/chelate formation and then the separation of the coalesced contaminants from the water by settlement and tertiary capture, if needed. Typically, influent contamination concentrations at percent levels can be reduced to 100 ppm or less given flow rates ranging from 100 to 700 gpm.

**WaterMatrix** units mobilize easily and rapidly configure to 'ready-to-serve' status



**WaterMatrix** units are compact - enabling application on limited-space sites



## WaterMatrix applications:

- Construction site stormwater runoff clarification prior to off-site discharge, allowing compliance with Effluent Limitation Guidelines (ELGs).
- Treatment of turbid water from dewatering operations within coffer dams and flooded foundation excavations. Since the units are spatially compact, WaterMatrix units are ideal for use near sensitive areas, e.g., bridge abutment and pier construction.
- Similarly, clarification of runoff from sites with excavation work below the groundwater table, e.g., pile cap or moderate to large areas where deep well or well-points are not economically viable or unsuited for local soil conditions.
- Treatment of turbid plumes resulting from drain and ditch cleanouts.
- Treatment of turbid water generated during dredging of ponds, storage lagoons, retention/detention basins.
- Treatment of turbid water collected during routine cleanouts of storm sewer catch basin sumps.
- Pre-treatment of industrial waste streams or runoff exposed to contaminated soils during remediation procedures before discharging to a publicly owned treatment facility.
- Use as a treatment train component where contaminant removal to strict standards require a series of methods, allowing more efficient and less costly operation of downstream components such as carbon filters.
- Treatment of lakes, ponds and other impoundments to reduce nutrient and harmful bacteriological loadings.

**WaterMatrix:** storage capacity regeneration while EGL compliant - a solution!



Having problems with dewatering contaminants?



Let **Interface h2o** technologies as well as its staff's experience & know-how be key components to your team's ability to solve water contaminant problems, improve water safety/aesthetics and meet compliance standards. Visit our website to learn more of our unique abilities to assist you.

Expect exceptional results with **InterfaceH2O** technologies and experience



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