
Thousands of existing odor control systems are designed to operate at a fixed flow rate, or require operator input to vary flow-rate. The ON DEMAND Odor Control System (ODOCS™) is an adaptive odor control system with automated control, which is programmed to consume the least amount of electricity, while maintaining effective odor control.

The adaptive and automated control is based on preloaded algorithms. These algorithms direct odor control system subcomponents to operate ON DEMAND. The subcomponents are directed to operate at the lowest energy state possible, while maintaining effective control of the odors, and increasing media life.

ODOCS™ consists of the following 2 primary components:

1. The first component is the Low Energy Odor sensing column - (LEO). The LEO sensing column will be mounted/installled at or near the source of odors. It contains multiple sensors which collect data for transfer to a central control panel.

2. The second component is the LEO Control Panel. The LEO sensing columns feed information to the central LEO Control Panel. The LEO control panel is programmed with algorithms to provide automatic control to various components of the odor control equipment.
FEATURES & BENEFITS

● **SIGNIFICANT LIFE CYCLE ENERGY SAVINGS** - ODOCS™ provides energy cost reduction through automatic operation. The life-cycle of a typical odor control system can be 25 years or greater. The reduced annual energy cost of operation will result in significant money saved over the life-cycle of the equipment. This can result in a partial or full Return On Investment during the life-cycle of the Odor Control System, and positive cash-flow thereafter.

● **Increased EBRT and removal efficiency** - The ON DEMAND feature throttles the system automatically, increasing Empty Bed Residence Time and odor abatement.

● **Reduced Carbon Changeouts** - Increased media life by a reduction in non-odor related vapors adsorbed into the media of an odor control vessel.

APPLICATIONS

● Lift Station Odor Control
● Industrial Odor Control
● Hydrogen Sulfide / VOCs

● Treatment Plant Odor Control
● Intermittent Off-Gas Odors

INTEGRATION WITH KCH’S PROVEN ODOR CONTROL EQUIPMENT

The ODOCS™ is a versatile system that can be incorporated into KCH’s line of Carbon Absorbers, Biotrickling Filters, and even Chemical scrubbers.

The ODOCS™ system is best adapted to KCH’s LO-KEY™ Odor Control Vessels in order to achieve maximum odor removal and increased media life.