

## Extended Aeration Treatment System Parkson Corporation

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### ENR success for Parkson - Filtration + Separation

An extended-aeration system includes capabilities for aeration & mixing, settling, return of activated sludge and solids removal, this last in the form of a biomass known as waste-activated sludge. An activated sludge process re-circulates part of the biomass as an integral part of the process.

### Parkson's Biolac® System

As part of the the Biolac rebuild and retrofit project at this plant, Parkson replaced all the in-basin aeration components. The older float and hose aeration chains were replaced with the new BioFlex floating HDPE pipe which has a longer life and better articulation.

### Biolac® - Parkson Corporation - PDF Catalogs | Technical ...

Parkson's Biolac ® extended aeration activated sludge treatment system will be used to treat stormwater from the airport's deicing runoff, which contains glycol and potassium acetate.

### Extended Aeration Treatment System

Parkson provides a very easy to use system to control both the process and aeration. Additional controls required for denitrification, phosphorus removal, dissolved oxygen control and SCADA communications are also easily implemented. Aeration System Components The ability to mix large basin volumes using minimal energy is

### Biolac® - Long Sludge Age Treatment Process | Parkson ...

Extended Aeration Treatment System. Biolac. - Low loaded activated sludge technology - High oxygen transfer efficiency delivery system - Exceptional mixing energy from controlled aeration chain movement - Simple system construction. BioFuser ne bubble, air diffuser assembly BioFlex air delivery piping Air. The-Biolac®-system-is-an-innovative-activated-sludge-process-using-extended-retention-of-biological-solids-to-create-an-extremely-stable ...

### What are the parameters of an extended aeration activated ...

Source: Parkson Corporation The Biolac® system is an innovative activated sludge process using extended retention of biological solids to create an extremely stable, easily operated system. The capabilities of this unique technology far exceed ordinary extended aeration treatment.

### Low Cost Biological System Meets ... - Parkson Corporation

Parkson's Biolac® System September 19, 2014 by Of the many types of treatment available to municipal and privately owned utilities providing treatment for domestic waste, extended aeration of modified treatment ponds is sweeping across California to fulfill many new regulatory requirements.

### Biological | Parkson Corporation

The Parkson Biolac® WaveOx system is an extended aeration process (SRT 30-50 days) which includes an anaerobic fermentation BioP zone for biological phosphorus removal. Raw influent and return activated sludge are combined in this zone under anaerobic conditions prior to discharge into a single extended aeration basin.

### Innovation in activated sludge treatment | Parkson Corporation

The control and operation of the process is similar to that of conventional extended aeration. Parkson provides a very easy to use system to control both the process and aeration. Additional controls required for denitrification, phosphorus removal, dissolved oxygen control and SCADA communications are also easily implemented.

### Biolac Rebuild - Columbiana, AL | Parkson Corporation

The second option was to install a Parkson solution to handle the total wastewater capacity, which would combine a Biolac® wastewater treatment and the SuperScraper® sludge removal systems. The Biolac system is an innovative activated sludge process using extended retention of biological solids to create an extremely stable, easily operated system.

### Extended Aeration Treatment System - Parkson Corporation

Biolac® is an innovative activated sludge process using extended retention of biological solids to create an extremely stable, easily operated system. The capabilities of this unique technology far exceed ordinary extended aeration treatment. The Biolac® - a leader in biological wastewater treatment - maximizes the stability of the operating environment and provides high-efficiency treatment.

### Extended Aeration Treatment System Parkson

Biolac® - Long Sludge Age Treatment Process | Parkson Corporation. Biolac ®, an extended aeration, activated sludge treatment system, is a well-accepted biological wastewater treatment process with hundreds of successful installations treating municipal and industrial wastewater. Using an innovative long sludge age, activated sludge process, our complete system provides an extremely simple and cost-effective solution for many treatment applications.

### Bioloac® Extended Aeration Treatment System

The extended aeration process is one of the modifications of the ASP. It is a complete mix system and provides biological treatment for the removal of biodegradable organic wastes under aerobic conditions.

### Extended Aeration Treatment System - Aqueous Solutions

The treatment system utilizes the Parkson DynaSand® continuous backwash filter along with Parkson's patented ENR control and instrumentation system. The Parkson ENR control system consists of a multi-parameter, on-line analyzer, a PLC control system and a sampling manifold with instrumentation to support the process.

### Biological Waste Treatment Using the BIOLAC System : A ...

ENR success for Parkson 18 July 2012 According to the results from an 18-month trial of the new DynaSand EcoWash filtration system combined with

the Biolac extended aeration activated sludge, the Parkson system performs effectively and at approximately half the capital cost of competing designs.

**Deicing Fluid Run-off Treatment System | Parkson Corporation**

Biological Solutions With hundreds of installations and years of experience, Parkson is an industry leader in providing treatment solutions for municipal and industrial clients. From basic activated sludge systems to complete biological nutrient removal processes, Parkson has a solution. Combined with Parkson's DynaSand filtration, systems are available to meet the most stringent effluent ...

**Extended Aeration System | Water Treatment | Waste Water ...**

Biolac® Long Sludge Age Process. Source: Parkson Corporation. The Biolac® System is a well-accepted biological wastewater treatment process with over 30 years of experience and hundreds of successful installations treating municipal and industrial wastewater. Using an innovative long sludge age, activated sludge process, the Biolac® System provides an extremely simple and cost-effective solution for many treatment applications.

**Airport chooses Parkson for innovative solution to control ...**

designed to be an extended aeration system with 20 to 30 days of solids retention time. Also/ while BIOLAC-L is intended for treatment of domestic wastewaters with relatively low organic loading/ BIOLAC-R is intended for domestic or industrial waste-

**DynaSand® EcoWash™ Enhanced ... - Parkson Corporation**

Extended Aeration Treatment System -- Low-loaded activated sludge technology -- High oxygen transfer efficiency delivery system -- Exceptional mixing energy from controlled aeration chain movement -- Simple system construction -- Low bio. Extended sludge age biological technology The Biolac® system is an innovative activated sludge process using extended retention of biological solids to create an extremely stable, easily operated system.