Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

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REVISION OFAPPROVAL FOR REMEDIAL USE
Pursuant to Title 5, 310 CMR 15.00

Name and Address of Applicant:

Wastewater Alternatives, Inc.
2 Whitney Road, Suite 10
Concord, NH 03301

Trade name of technology and models: The Clean Solution alternative treatment system- models: 250ST-R3, 250ST-R4, 250-RX, 250PT-RX, C-SAN600, C-SAN100, C-SAN2500, C-SAN3000, C-SAN400 and C-SAN8000 (hereinafter called the "System"). Schematic Drawings illustrating each System, a design and installation manual, an owner's manual, an operation and maintenance manual, and an inspection checklist are part of this Approval.

Transmittal Number:	X250634
Date of Issuance:	June 15, 2012
Revision date:	November 05, 2012

Authority for Issuance

Pursuant to Title 5 of the State Environmental Code, 310 CMR 15.000, the Department of Environmental, Protection hereby issues this Approval for Remedial Use to: Wastewater Alternatives, Inc., 2 Whitney Road, Suite 10, Concord, NH 03301 (hereinafter "the Company"), approving the System described herein for Remedial Use in the Commonwealth of Massachusetts. The sale, design, installation, and use of the System are conditioned on compliance by the Company, the Designer, the Installer, the Service Contractor, and the System Owner with the terms and conditions set forth below. Any noncompliance with the terms or conditions of this Approval constitutes a violation of 310 CMR 15.000.

November 05, 2012

David Ferris, Director
Wastewater Management Program
Bureau of Resource Protection

Date

Technology Description

The System is a Secondary Treatment Unit (STU. The System is a submerged media attached growth biological treatment unit designed to treat sanitary wastewater. The effluent from a Title 5 septic tank or from the System's integral septic tank, flows into the BioCon unit. The BioCon unit contains plastic media providing the surface contact area for bacterial growth and wastewater treatment. The wastewater is continuously recirculated over the plastic media. A compressor provides the air for continuous mixing of the contents in the BioCon unit and to prevent clogging. Effluent from the BioCon unit flows by gravity into the settling compartment, and pump tank if applicable. Sludge is settled, and the treated effluent is then pumped to the soil absorption field (SAS) for final disposal. Sludge settled in the System requires periodic removal.

Conditions of Approval

The term "System" refers to the STU in combination with the other components of an on-site treatment and disposal system that may be required to serve a facility in accordance with 310 CMR 15.000.

The term "Approval" refers to the technology-specific Special Conditions, the conditions applicable to all STU's with Remedial Use Approval, the General Conditions of 310 CMR 15.287, and any Attachments.

For Secondary Treatment Units that have been issued Remedial Use Approval for the upgrade or replacement of an existing failed or nonconforming system., the Department authorizes reductions in the effective leaching area (310 CMR 15.242), the depth to groundwater (310 CMR 15.212), and/or the depth of naturally occurring pervious material (310 CMR 15.240(1)) subject to the conditions that apply to all Secondary Treatment Units Approved for Remedial Use and subject to the Special Conditions applicable to the Technology.

Special Conditions

1. The System is Secondary Treatment Unit Approved for Remedial Use. In addition to the Special Conditions contained in this Approval, the System shall comply with all the "Standard Conditions for Secondary Treatment Units Approved for Remedial Use", except where stated otherwise in these Special Conditions.

2. The System is approved for facilities where the local approving authority finds that:
   a) there is no increase in the actual or proposed design flow;
   b) the System is for the upgrade of a failed, failing or nonconforming system; and
   c) a conventional system with a reserve area, designed in accordance with the standards of 310 CMR 15.100 through 15.255, cannot feasibly be built on-site.

3. Models 250ST-R3 and 250ST-R4 include an integral septic tank. A separate septic tank meeting the requirements of Title 5 is not required. The system shall be installed in series between the building sewer and the soil absorption system, subject to the provisions of this Approval.

   The record drawings, on file with the local approving authority, shall clearly indicate an area for a septic tank meeting the requirements of Title 5 and the drawings shall indicate that the area is for the sole purpose of installing a Title 5 septic tank in the future, if necessary. The System Owner shall not construct any permanent buildings or structures or disturb the site in any manner that would prevent the installation of a Title 5 septic tank in the future

4. Models 250-RX, 250PT-RX, C-SAN600, C-SAN100, C-SAN2500, C-SAN3000, C-SAN400 and C-SAN8000 shall be installed between a septic tank meeting the requirements of Title 5 and the soil absorption system, subject to the provisions of this Approval.

5. Access shall be provided to all tanks in the System in accordance with 310 CMR 15.228 (2). Septic tanks and Systems with integrated septic tanks, BioCon tanks, and settling compartments shall have at least three manholes with readily removable impermeable covers of durable material provided at finished grade. Multi-compartment tanks shall have a manhole over each compartment with a minimum opening of 20 inches. Access ports, manhole covers and cleanouts shall be installed and maintained at finished grade to allow for maintenance of the System.