



## Rental Treatment Systems For Remediation & Emergency Response

Offering and maintaining a fleet of rental equipment to respond to short or long term rental needs throughout North America.



**newterra**<sup>®</sup>  
clean water. modular solutions. *simple.*

[newterra.com](http://newterra.com)



# A Rental Fleet of 100+ Process Systems

## A Robust Rental Fleet

At Newterra, we continue to expand our 100+ rental fleet of process systems and components to accommodate remediation equipment needs that are short term, require a rapid response, or are not within current capital budgets. Our fully warranted rental systems can include an optional services contract, and are also available for purchase.

In addition to full scale rental systems, our fleet includes a wide selection of large and small systems optimized for pilot studies, either at our facility or in the field. Short term pilot studies are the best method for determining site requirements and specifications of full scale, long term solutions.

This brochure highlights some of the equipment available in our rental fleet but if you don't see what you need, please give us a call so we can help you to find the right solution for your site challenge.

## Environmental Compliance Approval (ECA)

Newterra has the ability to help our clients navigate the technical and bureaucratic process of obtaining their Environmental Compliance Approval (ECA) for a sewage water treatment systems.

The MECP (Ministry of the Environment Conservation & Parks) issue ECA's. The MECP mandate is to safeguard our environment by working toward cleaner air, water and land, and healthier ecosystems for the people of Ontario. The ECA process is provincially regulated and while similar to approval processes in other provinces/states, it is recognized that Ontario has very strict requirements and can be a challenging market to penetrate. For this reason, Newterra has secured mobile ECA's which can be used in Ontario in conjunction with our rental equipment so our customers can get their sites up and running quickly, avoiding up to 12-month wait times for approved ECA's.

## Modular Construction Dewatering & Treatment Equipment

Newterra offers pre-built, fully assembled dewatering equipment that's packaged for easy shipping and fast set-up at your construction site. Our modular systems provide cost-effective, automated water treatment and filtration to address TSS removal, pH adjustment and sludge monitoring/removal for **volumes up to 300 GPM**. We can also engineer and manufacture specialized systems to treat more complex compounds.







# Water Treatment Systems

## A Sampling of Water Treatment Systems in Newterra's Fleet

System Number	System Description	Power Requirements
RTS004	WTS, 10 GPM, Trailer	230V 1ph, Class 1 Div 2
RTS033	WTS, 10 GPM, Trailer	230V 1ph, General Purpose
RTS060	WTS, 10 GPM, Trailer	230V 1ph, Class 1 Div 2
RTS062	WTS, 10 GPM, Trailer	230V 3ph, Class 1 Div 2
RTS068	WTS, 10 GPM, Trailer	230V 1ph, Class 1 Div 2
RTS113	WTS, 40 GPM, Trailer	208V 3ph, Class 1 Div 2
RTS242	WTS, 30 GPM, Pump-Filter, Skid	208V 3ph, General Purpose
RTS114	WTS, 10 GPM, Trailer	230V 1ph, General Purpose
RTS045	WTS, 40 GPM, Pump-Filter, Skid	208V 3ph, General Purpose
RTS025	WTS, 50 GPM, 20' Container	240V 3ph, 70FLA
RTS180	WTS, 50 GPM, 6.6SS Stripper, Skid	208V 3ph, Class 1 Div 2
RTS154	WTS, 150 GPM, 40' Container	208/120V 3ph, Class 1 Div 2
RTS185	WTS, 150 GPM, Skid	No Pump, No Panel
RTS186	WTS, 150 GPM, Skid	208V 3ph, Class 1 Div. 2
RTS244	WTS, 150 GPM, 40' Container	208/120V 3ph, Class 1 Div 2
RTS252	WTS, 150 GPM, 40' Container	208/120V 3ph, Class 1 Div 2
RTS257a	WTS, 150 GPM, 40' Container (Bottom)	208V 3ph, General Purpose
RTS257b	WTS, 150 GPM, 40' Container (Top)	208V 3ph, General Purpose
RTS260	WTS, 150 GPM, 40' Container	208/120V 3ph, Class 1 Div 2
RTS261	WTS, 150 GPM, 40' Container	208/120V 3ph, Class 1 Div 2
RTS262	WTS, 150 GPM, 40' Container	208/120V 3ph, Class 1 Div 2
RTS263	WTS, 150 GPM, 40' Container	208/120V 3ph, Class 1 Div 2
RTS075	WTS, 250 GPM, Trailer, Air Stripper	208V 3ph, General Purpose
	WTS, 250 GPM, 24.6SS Air Stripper, Container	208V 3ph, Class 1 Div 2



# LongBox® Clarifier Series

## Newterra's LongBox® Clarifier Series

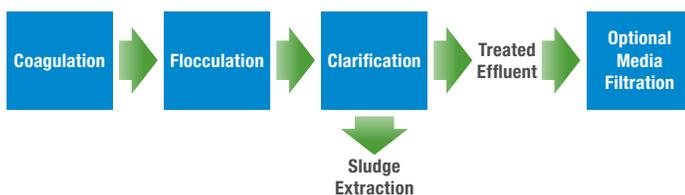
Our fleet includes Newterra's LongBox® high-flow Clarifiers, designed specifically for efficient sediment and suspended solids removal on groundwater treatment and dewatering projects. They are built for easy transport on flat-bed trucks to sites and remote areas. Once on location, installation, setup and operation is fast and simple – even on uneven ground. Newterra's LongBox® Clarifiers provide excellent removal efficiencies compared to traditional weir tanks and settling or frac tanks commonly used for sediment treatment or construction sites.

### Typical Applications

- Flow Range: up to 200 GPM (depending on influent water characteristics)
- Sediment and Suspended Solids Removal for:
  - Groundwater
  - Construction Dewatering
  - Potable Water
  - Process Water
  - Mine Groundwater
  - Wastewater

### Process

- A coagulant is used to strip fine particulate of charges and collect them into larger coagulated particles
- A flocculent is added and mixed in the pipe flocculator before entering the clarifier
- A slow mixing flocculation zone in the clarifier settles the bulk of large solids
- Finer flocculated solids settle out in a tube settling section of the clarifier
- Supernatant from the clarifier is discharged by gravity
- Sludge accumulated in the bottom of the clarifier is automatically pumped to a settling pond or sludge drying bed





# LongBox® Clarifier Series

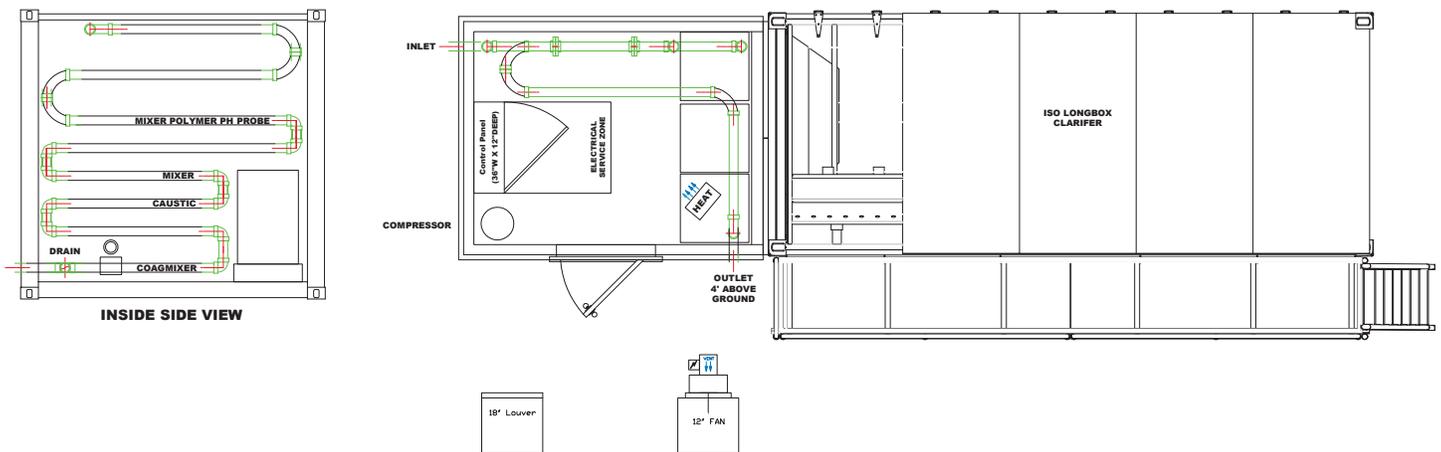
## Example LongBox® Clarifier System in Our Rental Fleet (RTS264, LB-16)

### Equipment Summary

- Automated sludge removal
- Chemical dosing including pH transmitter
- Flow meter: Endress, Promag
- Available remote telemetry
- Quick leveling onsite
- Operator access platform

### Construction

- Winterized enclosed system
- Heat trace on all piping
- Easy setup and connection at site





# LongBox® Clarifier Series

## A Sampling of LongBox® Clarifiers in Newterra's Fleet

System Number	System Description	Power Requirements
RTS216	Clarifier, Longbox Series, LB-16 (80-200 GPM)	208/120V 3ph, Class 1 Div 2
RTS264/RTS264A	Clarifier, LongBox Series, LB-16 (80-200 GPM) Clarifier, Complete with 20' enclosure for controls, chemical dosing and compressor equipment	208/120V 3ph, Class 1 Div 2
RTS266/266A	Chemical and Compressor Building 20', LB-17 (80-150 GPM)	208/120V 3ph, Class 1 Div 2
RTS267/RTS267A	Chemical and Compressor Building 20', LB-17 (80-150 GPM)	208/120V 3ph, Class 1 Div 2







# About Newterra

## A Global Water Technology Leader

Newterra® is recognized as a global leader in the development of modular treatment solutions for water, sewage, wastewater and groundwater remediation for industrial, municipal, land development, commercial & residential markets. Our heritage of innovation in providing clean water solutions dates back to 1863. Over that time, Newterra has grown to over 200+ people, and we've installed thousands of treatment systems – some of which operate in the most extreme conditions on the planet.

## Full Control from Start to Finish

At Newterra, we take full control of virtually every aspect of the treatment systems we build – from process design and engineering to manufacturing, installation, operations and ongoing parts & service support.

This award-winning approach ensures Newterra treatment systems meet our high standards for quality and on-time delivery.

**40+**

Professional  
Engineers

**200+**

Employees  
Worldwide

**THOUSANDS**

of Installations  
Worldwide

**newterra**

**COCHRANE**

**EPRO**

Qua-vac **Vacuflow**

**stormwaterRx**

Aeration Industries International

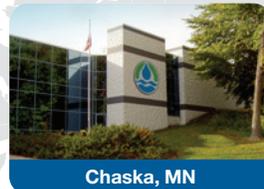
**TIGG**



Brockville, Canada



Trooper, PA



Chaska, MN



Portland, OR



Heber Springs, AR



Oakdale, PA



Venice, FL



**newterra**<sup>®</sup>  
clean water. modular solutions. *simple.*

1.800.420.4056 | 1.613.498.1876  
**newterra.com**