

A Comprehensive Approach to

Industrial Stormwater Treatment



from
Source
to
Solution
newterra

The collage features several images: a large blue rectangular filtration tank with 'dynbo' and 'newterra' branding; a row of white cylindrical filtration units; a construction site with a large blue tank and various pipes; a close-up of grey cylindrical media; a row of white storage tanks with 'newterra' logos; and a white industrial container unit. The central text is surrounded by a circular ring with segments labeled: INDUSTRIAL WATER, STORMWATER, REMEDIATION, INDUSTRIAL WASTEWATER, DOMESTIC WASTEWATER, POTABLE WATER, and MEDIA SERVICES.

► Effective stormwater management reduces the risk of environmental incidents while maintaining your compliance goals



Newterra empowers industry to apply effective stormwater management practices to manage industrial stormwater and pollution control, that benefits both you and the world.

As a point source of pollution, industrial stormwater differs from non-point sources such as agricultural and urban runoff. The runoff, which may include chemicals, heavy metals, oils, and sediments, poses risks of spills and contamination, impacting aquatic life and river habitats.

With climate change intensifying storm events, resilience strategies are paramount. Environmental education and ecological restoration efforts are also vital for raising awareness and mitigating industrial stormwater effects on river ecosystems, highlighting the importance of balancing industrial activities with environmental preservation.



Newterra Clara is a passive retrofittable stormwater oil/water separator that can serve as a standalone treatment or as a pretreatment best management practice (BMP)

Get Stormwater-Smarter!

Understanding Newterra Stormwater Compliance and Technology

Industrial stormwater, regulated by the Clean Water Act, poses a severe threat to river quality, requiring industries to obtain permits and control runoff pollution. Originating from specific locations, it carries hazardous materials, substantially impacting aquatic life and causing habitat degradation. Regulatory compliance involves the development of Stormwater Pollution Prevention Plans (SWPPPs) and risk assessments.

Innovative solutions like green infrastructure are increasingly adopted for pre-river treatment. Collaboration among regulatory agencies, industries, and environmental groups is crucial for effective stormwater management. Newterra specializes in industrial stormwater pollutant removal, leveraging expertise for rapid results. Understanding industrial needs, we offer tailored equipment integration advice at minimal cost.

A Committed to Quality and Innovation

We never stop innovating. We're continually enhancing our existing stormwater treatments products, developing new technologies and applications, and subjecting them to ongoing, rigorous field and third-party testing.

“For the lifespan of our systems, we offer inspection, operation and maintenance support contributing to the efficiency of your treatment system.”

Aquip® Stormwater Filtration System

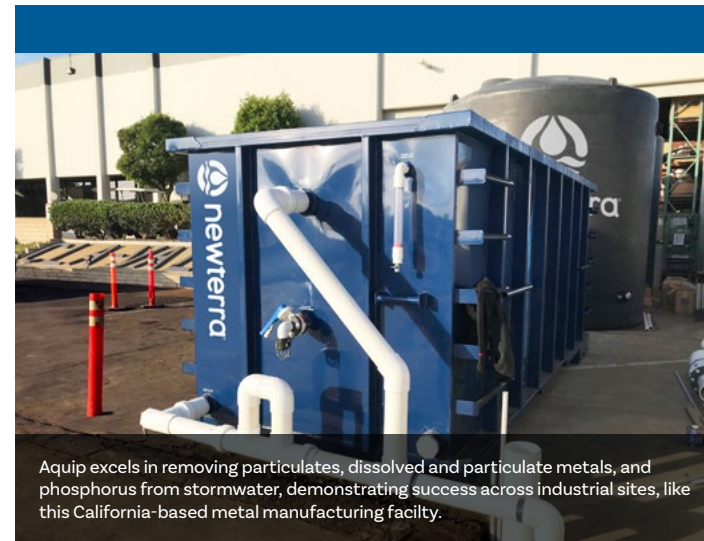
Practice (BMP). Operating autonomously, it produces high-quality stormwater without operator intervention. Using passive adsorptive filtration, Aquip effectively mitigates pollutants like suspended solids, turbidity, heavy metals, and organics, ensuring simple and safe operation. Its chemical-free, motionless design, with a pre-treatment chamber, efficiently traps pollutants, emphasizing flexibility and reliability. Aquip excels in removing particulates, dissolved and particulate metals, and phosphorus from stormwater, demonstrating success across industrial sites.

Clara® Gravity Separator

Clara is a below-ground stormwater treatment with a patented grit-trash-oil-water separator. Operating below the surface, the high-flow bypass is for bypassing peak flows, and keeping the system in an offline configuration. It does not help with pollutant capture during runoff events. Those are the treatment chambers. With a large capacity and an optional integrated pump package, it efficiently transports treated water downstream. Overall, Clara combines advanced technology with customizable features for optimal performance.

Purus® Polishing System

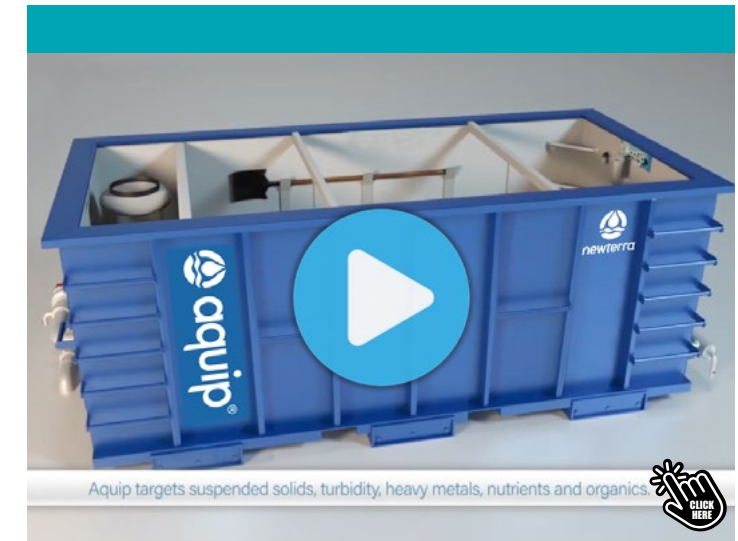
Purus is a set of advanced stormwater polishing technologies designed to achieve the highest level of treatment in challenging water quality conditions. Ideal for industries with higher concentrations of specific pollutants or stricter water quality standards, the Purus system facilitates effective stormwater pollutant removal. The Purus polishing line includes a large vessel for polishing dissolved metals, nitrate, and/or organics, with Purus Bacteria completing the system. Typically installed after Aquip stormwater filtration technology, Purus operates in a “treatment train” configuration, ensuring comprehensive stormwater treatment.



Aquip excels in removing particulates, dissolved and particulate metals, and phosphorus from stormwater, demonstrating success across industrial sites, like this California-based metal manufacturing facility.

Consider Newterra Your Stormwater Compliance Partner for Life

For the lifespan of our systems, we offer inspection, operation and maintenance support contributing to the efficiency of your treatment system. Whether you want turn-key support or do-it-yourself consumables supply, our team will provide you with efficient and effective service so your treatment technology or system provides the best possible results. By choosing Newterra, you gain access to a wealth of knowledge, ensuring innovative and effective solutions supported by decades of research, development, and market-leading products.



Aquip targets suspended solids, turbidity, heavy metals, nutrients and organics.

Comprehensive Solutions from One Provider

With technologies and services to meet just about any water-related need, Newterra can help you refine your strategies, streamline operations, and optimize operational costs.

Championing Environmental Responsibility

Align with a partner that doesn't just talk about sustainability but embeds it in every action. Choosing Newterra means choosing a future where business and environmental responsibility coexist.

[CLICK HERE](#) to learn more about **Newterra's Core values** and initiatives reflecting our commitment to sustainability.

[CLICK HERE](#) to learn more about **Newterra's commitment to Environmental, Social, and Governance (ESG) principles**.

Customer Success Comes First

Every challenge is unique, and Newterra has the expertise and resources to support you. Any vessel, any media-type, any application, our team collaborates with you to tailor your solution. Our goal is to ensure the optimal performance of your operation.

Engage with Ease

Initiating a partnership with Newterra is seamless. From a straightforward engagement form to prompt follow-ups, we prioritize your experience from start to finish.

[CLICK HERE](#) to get started by an expert team that **IS** committed to providing top-tier support and services for optimal operational efficiency.

We Deliver Exceptional Results

Our Commitment to Excellence is Reflected in Our Water Treatment Projects

Our installation projects exemplify our dedication to helping municipalities and industry achieve their own treatment and environmental initiatives with cutting-edge solutions for more clean and sustainable water. These initiatives are vital in addressing water scarcity and contamination challenges. By ensuring access to high-quality water, we contribute to a sustainable and water-secure future. We see each installation as being more than just a system, but a step towards healthier communities and a greener planet. (See list below some Industrial Stormwater projects.)



Truck Service Center

Jubitz Corporation, renowned nationwide for its Portland, Oregon travel center catering to truckers and tourists, has been a Pacific Northwest sustainability leader. Offering ultra-low sulfur bio diesel, recycling facilities, and no-idle truck parking, they now introduce a state-of-the-art stormwater filtration system.



Marine Freight Terminal

Alaska Marine Lines and Northland Services offer marine freight transportation between Seattle, Washington, Alaska, Prince William Sound, Hawaii, and the Yukon Territory. Terminal 115 in Seattle, spanning 70 acres, manages 750,000 tons of goods yearly, ranking among the West Coast's largest barge terminals.



Power & Energy Supplier

This utility sources power from 31 federal hydro projects in the Columbia River Basin, alongside a non-federal nuclear plant and other small plants, supplying wholesale power to the Pacific Northwest across a vast area spanning Idaho, Oregon, Washington, western Montana, and parts of eastern Montana, California, Nevada, Utah, and Wyoming.



Waste Management Facility

A national waste management company sought Newterra's expertise to address stormwater pollution issues at a truck and waste bin storage site. Newterra successfully demonstrated compliance with numeric action levels (NALs) through a pilot project using Aquip enhanced filtration and Purus™ polishing systems.



Biomass-fired Power Plant

A California biomass power plant needed stormwater treatment for two main outfalls. These plants use organic materials for combustion, offering renewable, carbon-neutral electricity. The plant processes around 240,000 tons annually of biomass waste, including urban wood waste, in-forest brush, agricultural byproducts, and other wood-related products.



Metals Recycling Facility

Calbag Metals Co. is a 4-acre metal recycling facility in Portland, Oregon. Previously, they used catch basin inserts, an oil/water separator, and a cartridge filter with compost media to treat stormwater. However, the filter fell short in removing enough copper and zinc to meet permit requirements.

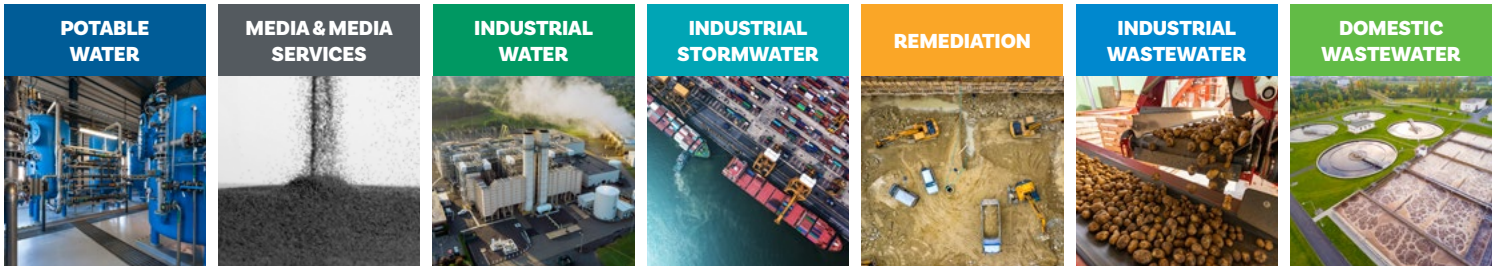
Hundreds of Installations Worldwide

A Robust Installation Base Effectively Servicing

Look to our experience in **Industrial Stormwater** and look to us as an invaluable partner for to make your job easier. Newterra's vast experience and large installation base and industry experience have historically cultivated essential relationships with our clients and suppliers, forming a relationship of collaboration and trust in new projects or partnerships.

See a sample project list below, showcasing our expansive offerings of Industrial Stormwater solutions across many industries.)

Year Supplied	Project Location	Market Served	Contaminants Treated
2024	Washington (USA)	Shipping Terminal	Aquip 300 SBE
2024	Washington (USA)	Transportation Port	Purus Polishing System
2024	Oregon (USA)	Manufacturing Facility	Aquip 400 SBE
2023	California (USA)	Food & Beverage	Aquip 300 & (2) Zinc B Gone Pro 50s
2023	California (USA)	Metals Manufacturing	(2) Aquip 300 SBE
2023	California (USA)	Metals Foundry	Aquip 400 and 50 SBE with Detention
2022	Ohio (USA)	Ship/Boatyards	Aquip Media Filtration System
2022	California (USA)	Aircraft Supplier	Aquip Media Filtration System
2022	Washington (USA)	Oil & Gas	Aquip Media Filtration System
2021	Oregon (USA)	Pulp & Paper	Zinc-B-Gone Roof Runoff Filter
2021	Oregon (USA)	Power & Energy	Aquip Media Filtration System
2020	Oregon (USA)	Recycling Facility	Zinc-B-Gone Roof Runoff Filter
2018	Washington (USA)	Municipality	Aquip Media Filtration System & Clara Passive Media Filter
2017	Kentucky (USA)	Chemicals	Zinc-B-Gone Roof Runoff Filter
2017	California (USA)	Transportation	Aquip Media Filtration System & Purus Polishing System
2016	Oregon (USA)	Metal Fabrication	Zinc-B-Gone Roof Runoff Filter
2016	Washington (USA)	Construction Materials	Aquip Media Filtration System
2012	Oregon (USA)	Power & Energy	Aquip Media Filtration System
2012	Washington (USA)	Food & Beverage	Aquip Media Filtration System
2012	Oregon (USA)	Timber/Wood Products	Zinc-B-Gone Roof Runoff Filter
2012	California (USA)	Aircraft Supplier	Zinc-B-Gone Roof Runoff Filter
2011	Washington (USA)	Food & Beverage	Aquip Media Filtration System & Purus Polishing System
2010	West Virginia (USA)	Power & Energy	Aquip Media Filtration System, Purus Polishing System & Clara Passive Media Filter
2009	Oregon (USA)	Timber/Wood Products	Clara Passive Media Filter
2009	Washington (USA)	Chemicals	Aquip Media Filtration System
2008	Oregon (USA)	Energy Transmission	Clara Passive Media Filter
2008	Washington (USA)	Marine Shipyard	Aquip Media Filtration System
2008	Oregon (USA)	Metal Recycling	Clara Passive Media Filter
2008	California (USA)	Metal Fabrication	Aquip Media Filtration System
2008	Washington (USA)	Transportation	Aquip Media Filtration System
2008	California (USA)	Solid Waste Management	Aquip Media Filtration System & Clara Passive Media Filter



From Source to Solution – Choose Newterra

Your trusted partner for comprehensive environmental solutions

With technology brands whose histories expand back for more than 150 years, Newterra has steadily grown from its roots to become a global solutions provider in water and wastewater treatment. Our journey is a testament to our deep understanding of the multifaceted challenges across various markets and applications.

Our “One Newterra” ethos a commitment to providing a comprehensive array of technical solutions, ensuring we address the full spectrum of our clients’ needs. This dedication extends beyond technology, as we nurture enduring partnerships with our clients, standing by them throughout every phase of their challenges. At the heart of Newterra is our unwavering commitment to sustainability.

Our people, our technologies and our practices contribute meaningfully to a sustainable and brighter future.



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