

# Hauraton CleanFix Sport Trench Drain

Chris Huntress <chris@huntressassociates.com>

Thu 4/15/2021 5:28 PM

To: Alex Elvin <elvin@mvcommission.org>; Sullivan, Joseph <JSullivan@chacompanies.com>;

Cc: Richie Smith <rsmith@mvyps.org>; Kimberly Kirk <kimberly.kirk@mvyps.org>; Kris O'Brien <vineyardkris@comcast.net>; Mike Taus <mtaus@mvyps.org>;

 5 attachments

catch basin section.jpg; catch basin transpajet.jpg; catch basin.jpg; CB Basket\_3.jpg; cleanway-brochure-2009.pdf;

Alex, Since October of 2020 I have been attempting to contact the representatives of Hauraton who manufacture the trench drain product called "CleanFix Sport" as recommended by Horsely Witten in their September 2020 peer review. I did hear from Hauraton once in October of 2020, but they have failed to respond to any request for information regarding their product since that date. In October of 2020, the Hauraton rep that did return my call told me that the products are manufactured in Germany, and that they did not have any installation in the US. To date I am still not aware of any installation of the "CleanFix Sport Trench Drain" in the US. The lack of response for information is concerning.

To locate a similar product manufactured in the US I have reached out to ACO, who manufactures trench drains for industrial, commercial, and recreational projects. ACO is based in the US and has manufacturing facilities in Ohio & South Carolina. Earlier this year I made a request for technical assistance from ACO to address the issue of capturing infill, debris and microplastics that may come off the turf field. Since that time, I have been working with Ben Aulick, one ACO's R&D Technical Engineers. Ben recently provided information on a new catch basin system for ACO's track and field trench drain products which includes a series of stainless-steel screens inserted into ACO's standard catch basin baskets with successively smaller openings. These screens filter down the stormwater to catch any fibers, infill or other small particles as runoff exits the trench drain. Although this will eliminate most contaminants from the stormwater, Ben and I further discussed a product manufactured by CleanWay out of Portland Oregon which includes a rigid strainer and geotextile element filtration system (filter bag). The CleanWay filter could be inserted into four (4) catch basins located under the field and would further remove any possible microplastics, or other contaminants, coming off the track & field before the stormwater enters the subsurface drainage system. The other advantage to the ACO/CleanWay system is that the maintenance and cleaning procedures are much easier than the maintenance of the Hauraton "CleanFix Sport", and can be handled by the current staff at MVRHS.

I have attached information on both the ACO and CleanWay products and would request that we be allowed to review this system to determine if it could be considered equal to the Hauraton CleanFix Sport system originally recommended by Horsely Witten. I would hate to see us condition the use of a product (Hauraton) that may not be available to us during construction. I am happy to have a further discussion with you and/or Horsely Witten Group to review the details of the proposed filtration system.

Thanks for your help.

Chris  
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-----Original Message-----

From: Aulick, Ben <Ben.Aulick@aco.com>  
Sent: Thursday, April 15, 2021 9:53 AM  
To: Chris Huntress <chris@huntressassociates.com>  
Subject: Sports Catch Basin Renders

Chris,

Attached are the renders for the SportBasin.

This is designed to catch synthetic turf infill. While the infill is not categorized as a micro-plastic it will eventually will be once in our waterways so it is important to capture at the source. The basin will allow the maintenance crew to capture, rinse, and add the infill back into the field of play. As you can see the filter system pulls out of the basin and has stainless mesh filters that slide in and out for easy access and cleaning.

We are working on more technical documents. By the time this projects is ready to go we will have all the information together.

I'm asking for an estimated cost and they are working on that but I do not have it at this time.

Hopefully, this is enough to present to the board.

Regards,

Ben Aulick

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## What Our Clients Say...

*"As an environmental water quality chemist I have spent my career removing toxic metals from industrial wastewater and stormwater so it intrigued me when I was asked to recover soluble precious metals in the mining industry. By trial and error I happened upon the CleanWay MetalZorb product which I included in bench-scale treatability studies in an attempt to recover soluble gold III. I recorded 90%+ gold recovery in under a minute of contact time which substantially exceeded the performance of all other absorptive media included in the trials."*

*— John W. Macpherson, Water Quality Chemist  
Dungeness Environmental*

*"Oregon Wire Products had excessively high concentrations of zinc in our stormwater discharge samples. This persistent problem continued until we found CleanWay Environmental Partners. With their expertise, company resources, and diligent follow up, we were finally able to identify the source of the contamination. Along with the CleanWay filtering system we were able to meet benchmark levels and with the final test we were able to achieve a 'none detectable' test result."*

*"I highly recommend this group of experienced professionals to help you solve any of your stormwater contamination problems."*

*— Ken Krebs, President  
Oregon Wire Products*

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## Stormwater Process Water Industrial Wastewater

# CleanWay Easy to Install and Maintain, Rugged and Durable, Field Proven

## About Us

At CleanWay, our experience with environmental services goes back more than 20 years with our company growing out of the stormwater services industry and into stormwater products. Because of our roots CleanWay approaches product development with a focus on how products are serviced and maintained, ensuring an ease-of-use that is unmatched in the industry. CleanWay, originally founded in Portland, OR in 1995, has evolved from stormwater applications into a full range of products to meet the many needs of our expanding customer base around the world. Our deep expertise in water quality, innovative and proven product design and development, regulatory compliance, quality support programs, and best management practice applications ensure that whether you have stormwater, process water, or industrial wastewater quality goals to achieve; you can rely on CleanWay Environmental Partners to be your trusted partner for years to come.

## Stormwater

### Catch Basin

Stop trash and debris, sediment and TSS, oil and hydrocarbons, and dissolved metals at the source.



### Curb Inlet

A curb inlet filter that is easy to install, will not flood your parking lot or street and does not interfere with cleaning and jetting storm lines.



### Downspout

Not all pollutants originate on your site. Stop fugitive pollutants carried in atmospheric deposition from affecting your numbers.



### Vault / Wall-Mount

Give your vault a performance boost by adding a wall-mount filtration unit to handle a variety of pollutants such as dissolved metals.



### Adsorption Boom

Target existing infrastructure points of pollutant accumulation with an agile and effective deployment mechanism.



### Column Filter

Remove metals from stormwater detention and retention systems, or re-bed existing filter cartridges for improved performance.



See our products in action at <http://www.youtube.com/cleanwayusa>



With the CleanWay modular approach to product design you can easily customize the size of a catch basin, curb inlet, downspout or vault/wall-mount filter and adjust the filtration to target the pollutants present on your site. It is also a breeze to scale up your level of protection to meet changing regulatory requirements. Additionally the CleanWay Storm Clean™ line of products benefit from ease of installation and maintenance, rugged and durable construction (powder coated 10ga. steel), high flow bypass, easy to access and use sample port, low impedance to flow as well as a service and maintenance oriented design that CleanWay is known for.

	Trash and Debris	Sediment and TSS	Oil and Hydrocarbon	Dissolved Zinc Only	Multiple Dissolved Metals (Zinc, Copper, Lead, etc.)	Site Specific Pollutants (i.e., VOC's, Phosphorus, and Metals)
Rigid Strainer	X					
Geotextile Element	X	X				
Adsorb-it Element	X	X	X			
Vermiculite Media	X	X	X	X		
MetalZorb Media	X	X	X*	X	X	
Specialty Media Blend	X	X	X	X	X	X

\* To address oil and hydrocarbons when using MetalZorb Media, simply layer an Adsorb-it Element inside the MetalZorb Element

Request a quote online at: <http://www.cleanwayusa.com/quote-request.php>



MetalZorb® is a non-toxic, biodegradable, organic polymer that is ideal for reducing, removing and recovering dissolved heavy metals and metallic ions in applications where rapid capture is required. This includes but is not limited to stormwater runoff, industrial effluents, landfill leachates, precious metal recovery and land remediation.

MetalZorb consists of multiple highly adsorbent half in cubes, combined in various configurations to address your site needs. MetalZorb is a durable media that remains effective across a wide range of pH and can bond with dissolved metals in either anionic or cationic states. Once used the MetalZorb media may be easily disposed of as solid waste, or valuable metals can be recovered.

Generally, within contact times of 20 to 90 seconds, 85%+ removals are achievable. Species such as mercury, lead, cadmium, copper, zinc, chromium and nickel can be removed to concentrations below 1 ppb, even in the presence of chelating agents such as EDTA.

## Process Water

MetalZorb is an ideal solution for recovery of dissolved precious metals that you may currently be washing down the drain. MetalZorb efficiently and cost-effectively captures dissolved precious metals from solution, even when the metals are present in low concentrations. Our clients have achieved gold recovery in excess of 90%. Some applications include e-waste gold and silver recovery, and recovery from flooded mine shaft dewatering operations.

## Industrial Wastewater

With high ion adsorption capabilities and quick, aggressive kinetics, dissolved metals from industrial process water discharge are quickly captured and held in MetalZorb media.

Industrial applications include: Foundries, Iron & Steel Mfg., Mineral & Ore Processing, Battery Manufacturing, Steam Power Generation, Centralized Waste Treatment, Electronic Components, Electroplating, Timber Processing, Transportation Equipment Cleaning, and Landfills.



## Common Applications

- Industrial and commercial facilities
- Buildings with metal roofs
- Port facilities and boatyards
- Precious metal recovery
- Waste handling and transport
- Groundwater remediation
- Soil remediation
- Metal coating and plating
- Auto dismantling
- Municipal sewage
- Mining operations
- Bioreactor sediment
- Drilling mud



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