



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

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Bureau of Nonpoint Pollution Control  
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JON S. CORZINE  
Governor

MARK N. MAURIELLO  
Acting Commissioner

CONTECH  
Construction Products

APR 06 2009

Received

March 30, 2009

Derek Berg, Regional Regulatory Manager - Northeast  
Contech Stormwater Solutions  
200 Enterprise Drive  
Scarborough, ME

Re: Conditional Interim Certification  
Media Filtration Systems by Contech Stormwater Solutions

**Issuance Date: March 30, 2009**  
**Expiration Date: March 30, 2010**

Dear Mr. Berg:

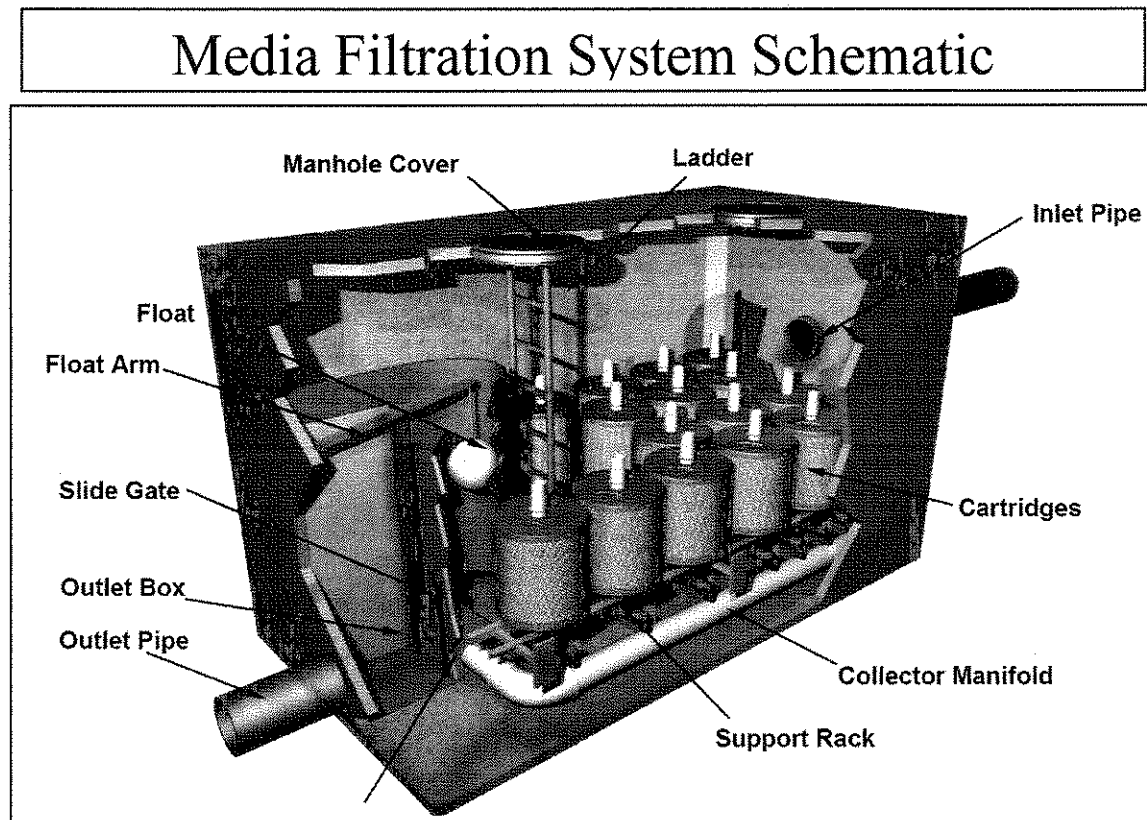
The Stormwater Management rules under N.J.A.C. 7:8-5.5(b) and 5.7(c) allow the use of manufactured treatment devices (MTDs) for compliance with the design and performance standards at N.J.A.C. 7:8-5 if the pollutant removal rates have been verified by New Jersey Corporation for Advanced Technology (NJCAT) and have been certified by the New Jersey Department of Environmental Protection (NJDEP). Contech Stormwater Solutions has requested a Conditional Interim Certification for the Media Filtration Systems.

The Media Filtration Systems is a sub-surface structure with media-filled cartridges designed to filter stormwater runoff. The flow of filtered runoff is controlled by an orifice at the outlet structure that limits the flow across the filter media.

**The NJDEP certifies the use of the Contech Stormwater Solutions Media Filtration System (MFS) with perlite filter media at a TSS removal rate of 80%, subject to the following conditions:**

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1. The Media Filtration System is designed according to the NJ Water Quality Design Storm in N.J.A.C. 7:8-5.5. The outlet structure from the MFS system must be sized to the peak flow of the NJ Water Quality Design Storm entering the system.
2. The peak inflow of the water quality design storm is limited to 0.04 cfs per cartridge and the maximum inflow area per cartridge is limited to 0.13 acres of impervious area.
3. The bottom of the Media Filtration System cartridges must be a minimum of 18 inches above the bottom of the vault.
4. The Media Filtration System is certified as an off-line system only.
5. The use of the Media Filtration System cannot be used in series with a settling chamber (such as a hydrodynamic separator) or a media filter (such as a sand filter), to achieve an enhanced removal rate for total suspended solids (TSS) removal under N.J.A.C. 7:8-5.5.



6. The maintenance plan for sites using this device shall incorporate, at a minimum, the maintenance requirements for the MFS shown in Appendix A below.

This letter issues an interim certification for one year from the date of issuance to allow for the submission of a final field test report consistent with the TARP Tier II protocol.

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Additional information regarding the implementation of the Stormwater Management rules N.J.A.C. 7:8 are available at [www.njstormwater.org](http://www.njstormwater.org). If you have any questions regarding the above information, please contact Ms. Sandra Blick of my office at (609) 633-7021.

Sincerely,

A handwritten signature in black ink, appearing to read "B. Chalofsky".

Barry Chalofsky  
Bureau Chief

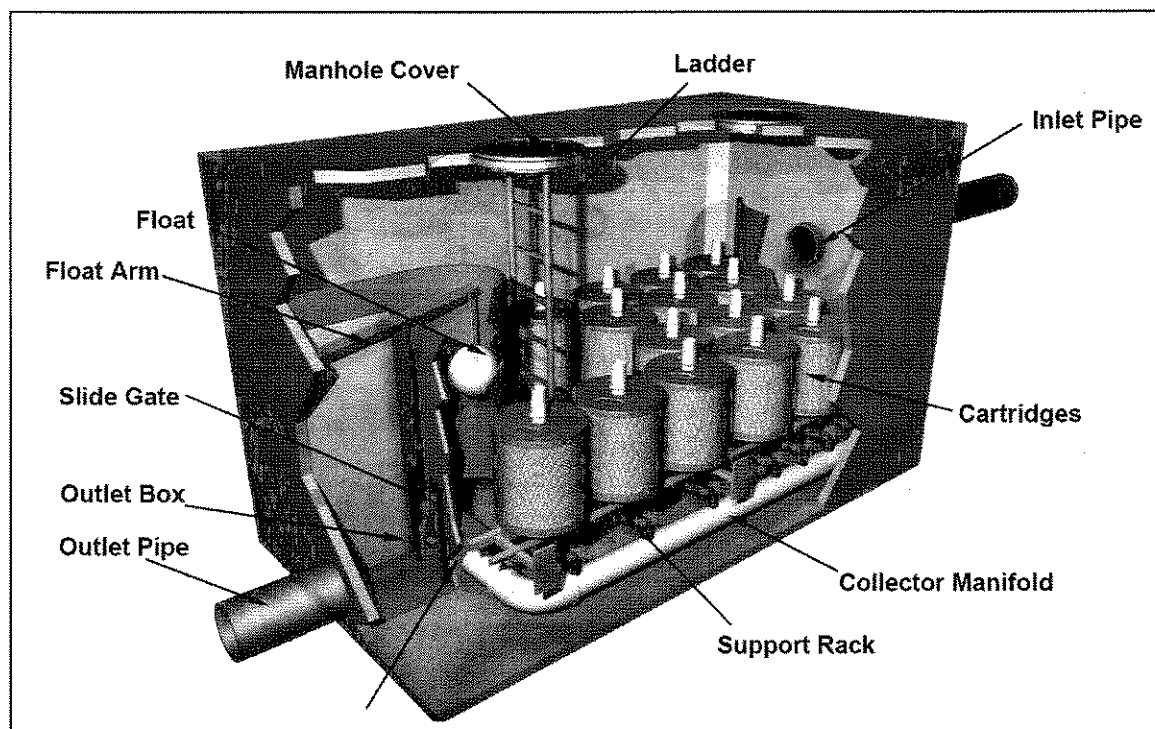
Enclosure

c: Rhea Weinberg Brekke, NJCAT  
Tom Micai, NJDEP  
Mary Beth Brenner, NJDEP

## Appendix A: Maintenance Requirements for Contech Stormwater Solutions Media Filtration System

Effective performance of stormwater management best management practices requires regular and proper maintenance. Chapter 8 of the New Jersey Stormwater Best Management Practices Manual and N.J.A.C. 7:8-5.8 of the Stormwater Management rules provides additional information and requirements for preparing a maintenance plan for stormwater management facilities. Specific maintenance requirements for the Media Filtration System by Contech Stormwater Solutions are presented below. These requirements must be included in the stormwater management system's maintenance plan in order to achieve the TSS removal rate associated with this manufactured treatment device.

### Media Filtration System Schematic



#### A. General Maintenance

The person responsible for maintenance must evaluate the effectiveness of the maintenance plan at least once a year. Any changes to the maintenance plan must be sent to the review agency with associated justification and revised in the deed.

Any and all stormwater management system components expected to receive and/or trap debris and sediment must be inspected for clogging and excessive debris, sediment, and oil accumulation at least four times annually as well as after every storm exceeding 1 inch of

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rainfall. Such components may include, but is not limited to, bottom of chamber, filters, pipes, trash racks, and cleanouts.

Inspections are performed from the ground surface through access ports are located in the top of the manhole to facilitate inspection and maintenance. Equipment for the inspection (such as a flashlight, gloves, manhole hook, safety cones and probes to measure the depths of oil and sediment) and for the removal of sediment must be specified by the design engineer in the maintenance plan.

The Media Filtration is a confined space. Enter only when necessary and with the proper equipment, following OSHA confined space entry regulations.

The sediment and debris must be removed at or before the average depth of sediment and/or trash reaches nine (9) inches above the bottom of the system. Disposal of debris, trash, sediment, and other waste material must be done at suitable disposal/recycling sites and in compliance with all applicable local, state, and federal waste regulations.

All filter cartridges must be replaced at a minimum of once every year.

#### **B. Minimum Equipment Requirements**

At a minimum, a vacuum truck is necessary for the maintenance of these units.

#### **C. Structural Components**

All structural components must be inspected for cracking, subsidence, spalling, erosion, and deterioration at least annually.

#### **D. Replacement Parts**

Certain components of this device are only available through the manufacturer in order to achieve the TSS removal certified by the Department. These components include the MFS filter cartridges and float arms, and can be ordered by contacting:

Contech Stormwater Solutions  
(800) 925-2540  
[www.contechstormwater.com](http://www.contechstormwater.com)

*In addition to the above, the detailed maintenance plan must include all of the items identified in Chapter 8: Maintenance of the New Jersey Stormwater Best Management Manual. Such items include, but are not limited to, the list of inspection and maintenance equipment and tools, specific corrective and preventative maintenance tasks, indication of problems in the system, and training of maintenance personnel. Additional operation and maintenance information associated with this manufactured treatment device is available from the vendor to assist in the development of a complete maintenance plan.*