



THE STATE
of **ALASKA**
GOVERNOR SEAN PARNELL

Department of Environmental
Conservation

DIVISION OF ENVIRONMENTAL HEALTH
Drinking Water Program

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File Number: 900.07.056

March 29, 2013

Ms. Cyndi Benson
Harmsco Filtration Products
P.O. Box 14066
North Palm Beach, FL 33408

**Re: Harmsco® HC/170-LT2 Cartridge Filter
HUR 1X170FL and MUNI-1-2FL-304 Housings
Alternate Filtration Technology Approval**

Dear Ms. Benson:

The State of Alaska Division of Environmental Health, Drinking Water Program has approved the HC/170-LT2 cartridge filter contained in a HUR 1X170FL housing (also known as MUNI-1-2-FL-304) as an alternate filtration technology. The system is assigned the treatment credits specified in Table 1 and is subject to the maximum operating parameters specified in Table 2. This approval is based on the testing reported by PACE Analytical Services and IBR Laboratories (August 30, 2011). The challenge testing was conducted in accordance with the requirements of the Surface Water Treatment Rule (SWTR), following the ANSI/NSF Standard 53 protocol, and in conformance with the Long Term 2 SWTR. This approval also considered the Texas Commission on Environmental Quality approval issued on August 25, 2012 and information provided by the State of Washington Office of Drinking Water (WSDOH) on their technology review.

It is our understanding that since the challenge testing was conducted, Harmsco® developed a separate municipal products division. The HUR 1X170FL housing was modified to include ANSI/NSF Standard 61 listed ball valves and pressure gauges and as such is now known as MUNI-1-2-FL-304.

APPROVAL CONDITIONS

This approval is subject to the following conditions:

- Approval of engineering plans in accordance with State of Alaska drinking water regulations 18 AAC 80.205 is required to install this filtration technology in a public water system.
- Approval is valid for the HC/170-LT2 cartridge in the single element HUR 1X170FL or MUNI-1-2-FL-304 housing only.

- Approval is only valid for the cartridges and housings manufactured in the West Palm Beach, Florida facility.
- Approval is only valid as long as the cartridge filter and housing continue to be certified under ANSI/NSF Standard 61.

FILTRATION CREDITS AND OPERATING PARAMETERS SUMMARY

Table 1

Pathogen	Filtration Credit
<i>Giardia</i>	2.5-log
<i>Cryptosporidium</i>	2.0-log
Viruses	0.0-log

Table 2

Maximum Operating Parameters	
Flow Rate	100 gpm
Differential Pressure	30 psi
Influent Turbidity	1 NTU

DISCLAIMERS AND ADMINISTRATIVE APPEALS PROCESS

The Department reserves the right to void this approval if changes are made to the filter housing, cartridge filter element, or manufacturing process that could affect the filtration effectiveness. Any of these changes may require the filtration system to be challenge tested before approval reinstatement.

Any person who disagrees with this decision may request an adjudicatory hearing in accordance with 18 AAC 15.195 - 18 AAC 15.340 or an informal review by the Division Director in accordance with 18 AAC 15.185. Informal review requests must be delivered to the acting Division Director, Elaine Busse Floyd, 555 Cordova St., Anchorage, AK 99501, within 15 days of receipt of this decision. Adjudicatory hearing requests must be delivered to the Commissioner of the Department of Environmental Conservation, Larry Hartig, 410 Willoughby Ave., Suite 303, Juneau, AK 99801, within 30 days of this decision. If a hearing is not requested within 30 days, the right to appeal is waived. More information on the Department's administrative appeals process can be found at <http://www.dec.state.ak.us/commish/ReviewGuidance.htm>.

If you have any questions, you may contact me at lee.johnson@alaska.gov or 907-451-2179.

Sincerely,



Lee Johnson, P.E.
Engineer II