

Hampton Roads Regional Technical Standards for the Sizing of Grease Control Devices (*HRRTSSGCD*)

August 9, 2017



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Why Update the Regional GCD Sizing Standards?

- Last updated in 2009 with HR FOG Technical Committee
- Plumbing & NAICS code changes/outdated information
- Opportunity to explore other/better sizing methods
- Regional sizing standards are referenced in local FOG ordinances

Analysis of GCD Sizing Methods

- EPA Seats Calculation
- EPA Meals Calculation
- Grease Production Sizing Method
- HRPDC Gravity Interceptor Sizing Method (*with current DFU listings*)
- HRPDC Gravity Interceptor Sizing Method (*with updated IPC DFU listings*)
- PDI Method for Hydromechanical Interceptors with 1 min drain time

Analysis of GCD Sizing Methods

- Collected data from over 50 FSEs in Newport News, Virginia Beach, Norfolk & Hampton to compare sizing methods
- Considered current GCD size, cleaning frequency, and type of grease production for each
- Compared calculated GCD sizes using each method

Results of GCD Sizing Analysis

- Each sizing method had pros and cons
- No clear “winner”
- Consensus to update existing sizing standards as follows:
 - Update DFU values to match current plumbing code listings & include additional fixtures
 - Change facility multiplier table from NAICS designations to “low, medium & high” grease production classifications
 - Update language as necessary for consistency/to reflect industry changes

Next Steps

- Reconvene HRFOG technical committee on August 15 to sign off on final revisions
- Final version of HRRTSSGCD to be submitted for approval at September 9 Directors of Utilities Committee meeting

