



**BUREAU OF PUBLIC WORKS
SPECIAL MEETING
MONDAY, NOVEMBER 22, 2021
4:00 PM**

Location

Board Room
District Headquarters
555 Main Street, Hartford

Dial in #: (415)-655-0001;
Access Code: 43808661#
[Meeting Video Link](#)

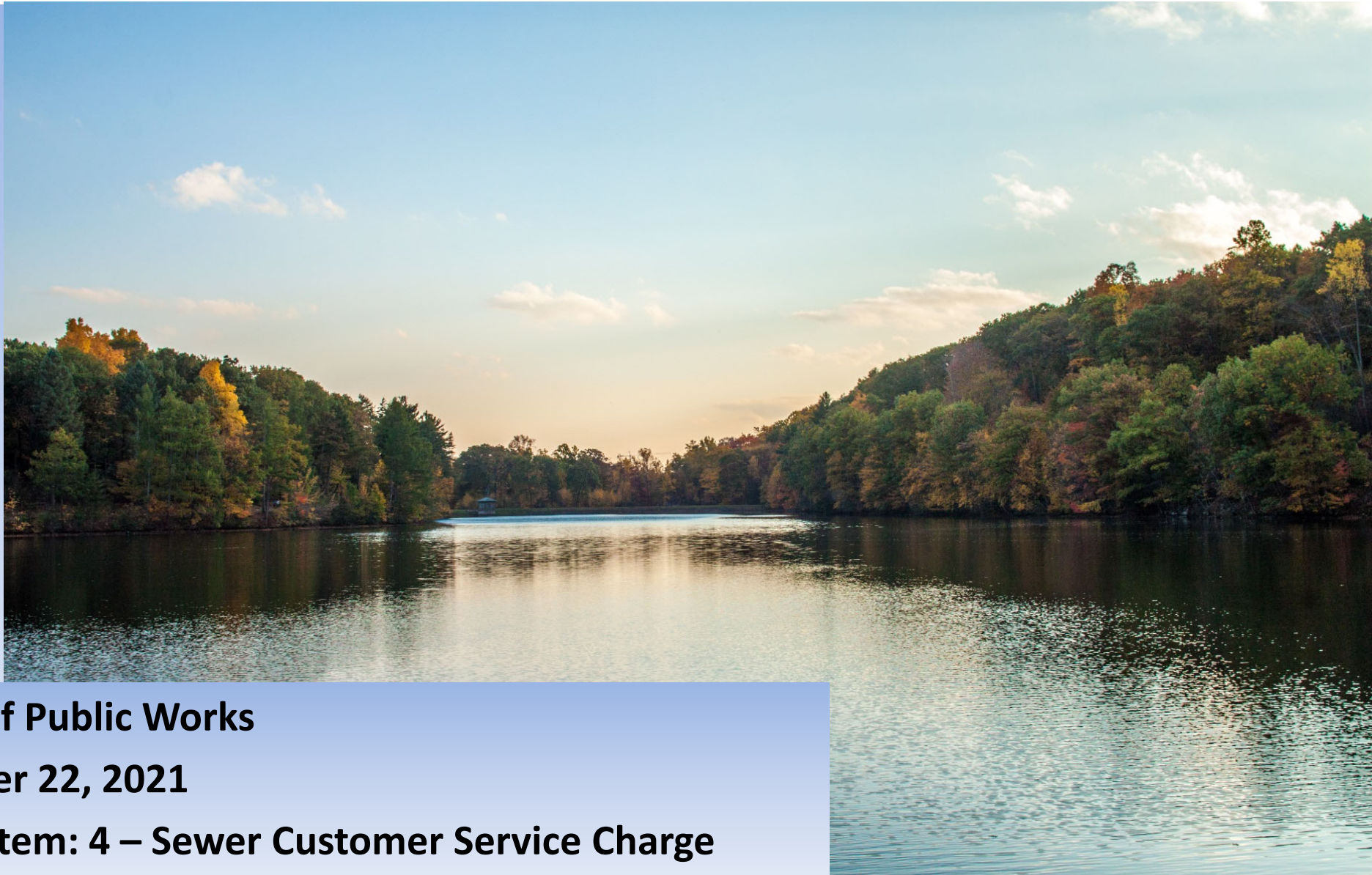
Commissioners

Adil	Magnan
Avedisian	Marotta
Bush	Pane
Currey	Patel
DiBella (Ex-Officio)	Sweezy
Drake	Taylor
Healy	Torres
Hoffman (VC)	Vicino (C)
Lester	Woulfe

Quorum: 9

1. CALL TO ORDER
2. PUBLIC COMMENTS RELATIVE TO AGENDA ITEMS
3. APPROVAL OF MEETING MINUTES OF SEPTEMBER 22, 2021
4. DISCUSSION RE: SEWER CUSTOMER SERVICE CHARGE
5. DISCUSSION RE: LETTER TO CT DEEP REGARDING MS4
6. REFERRAL TO COMMITTEE ON MDC GOVERNMENT OF NEW SEWER ORDINANCE RE: CONNECTIONS TO COMBINED SEWERS & STORM SEWERS
7. CONSIDERATION AND POTENTIAL ACTION RE: 2022 DISTRICT SEWER USER CHARGE RATES AND OTHER SEWER CHARGES
8. CONSIDERATION AND POTENTIAL ACTION RE: ACCEPTANCE OF SEWERS BUILT BY DPA
9. DISCUSSION RE: CONTRACT 3 TUNNEL PUMP STATION
10. OPPORTUNITY FOR GENERAL PUBLIC COMMENTS
11. COMMISSIONER COMMENTS & QUESTIONS
12. ADJOURNMENT

MDC



Bureau of Public Works
November 22, 2021
Agenda Item: 4 – Sewer Customer Service Charge

Intention of SCSC

- Sewer Customer Service Charge (SCSC) should reflect costs associated with providing customer, or customer-aligned, services.
- Typical customer service and administration related tasks as well as the following explicit activities:
 - Backwater Valve Program
 - Up to \$1,890 per property
 - Private Property Inflow Disconnect Program
 - Up to \$3,780 per property
 - Sewer lateral inspections
 - \$300 Each
 - Sewer lateral failure dye tests
 - Right to Know Act related activities, such as reporting and investigating private property backups
 - Call-Before-You-Dig
 - Responding to customer impacts related to street flooding & climate change

Determination of SCSC

- Required Cost recovery for 2021 = \$19.2M
- Actual Cost recovery for 2021 = \$8.4M
 - Deficit of \$10.8M
- Calculated SCSC Required:
 - Flat Rate:
 - \$15.93/Month
 - Based on Water Meter Size:
 - \$11.62/Mo to \$3,078.85/Month
- Interim Increase to \$9/Month for 2022
- Future Board Discussion on Rate Structure Following Lateral Inventory Project

Example Rate Structure

Table 1 – FY 2021 – Example CSC Calculation by Meter Size

Meter Size	# of Accounts	Existing	Calculated	\$ Change	% Change	Calculated Revenue
5/8"	90,294	\$7.00	\$11.62	\$4.62	66%	\$12,588,774
3/4"	2,501	\$7.00	\$17.43	\$10.43	149%	\$523,033
1"	4,188	\$7.00	\$29.05	\$22.05	315%	\$1,459,726
1 1/2"	1,702	\$7.00	\$58.09	\$51.09	730%	\$1,186,463
2"	1,247	\$7.00	\$92.95	\$85.95	1,228%	\$1,390,852
3"	327	\$7.00	\$174.27	\$167.27	2,390%	\$683,854
4"	218	\$7.00	\$290.46	\$283.46	4,049%	\$759,838
6"	63	\$7.00	\$580.92	\$573.92	8,199%	\$439,172
8"	12	\$7.00	\$929.47	\$922.47	13,178%	\$133,843
10"	1	\$7.00	\$1,336.11	\$1,329.11	18,987%	\$16,033
12"	1	\$7.00	\$3,078.85	\$3,071.85	43,884%	\$36,946
						\$19,218,536

Other Considerations:

- Revenue collected from high flow users
- Cost of service analysis for typical user
- Lateral Inventory will govern calculated rates

MDC



Bureau of Public Works
November 22, 2021
Agenda Item: 5 – Letter to CTDEEP Regarding MS4

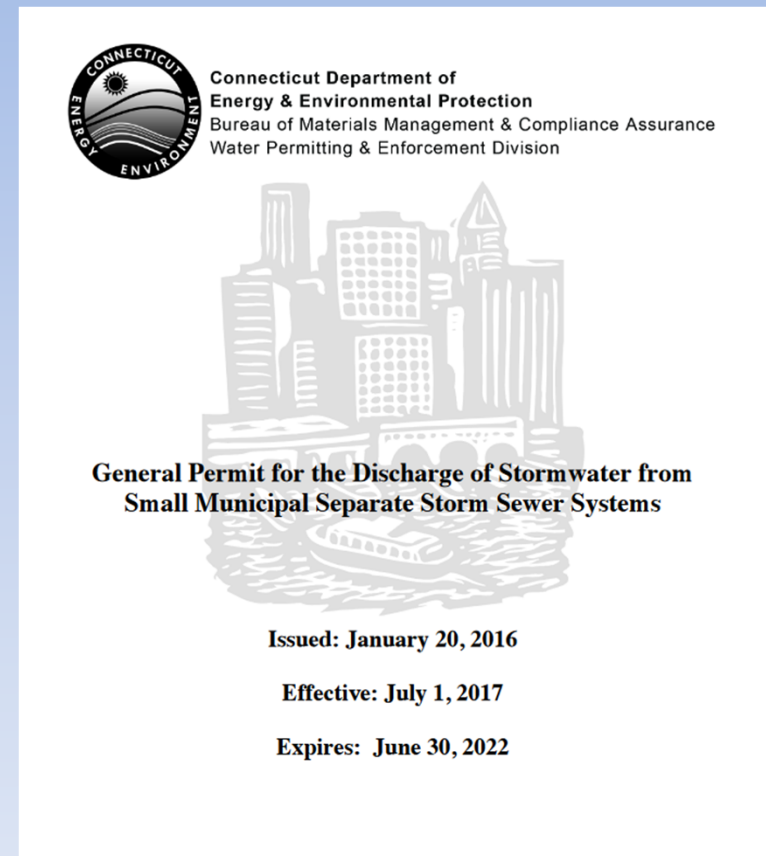
Purpose of MS4

– Mission Statement from CT DEEP Website:

This general permit requires each municipality to take steps to keep the stormwater entering its storm sewer systems clean before that stormwater enters water bodies. One important element of this permit is the requirement that towns implement public education programs to make residents aware that stormwater pollutants emanate from many of their everyday living activities, and to inform them of steps they can take to reduce pollutants in stormwater runoff.

2017 MS4 Requirements for MDC Member Towns

- All CT municipalities within an ["urbanized area"](#) are required to comply with the MS4 General Permit to discharge stormwater into CT's water bodies. The basic requirements of the permit are to:
 - 1) Submit a **Stormwater Management Plan** identifying 6 minimum control measures that a municipality will undertake to prevent and/or treat polluted runoff;
 - 2) Submit **Annual Reports** to DEEP indicating the progress with implementing that plan; and
 - 3) **Monitor the quality** of water bodies.



COH/MDC MS4 History

- Initial MOU Prepared in 2004 in response to 2004 USEPA MS4 Permit (Unsigned)
 - MDC cleans catch basins with disposal of debris at COH Landfill, at no cost to MDC
 - COH Landfill closes in 2013 & MDC begins disposal of debris at Manchester Landfill
 - MDC begins charging COH for CB cleaning debris disposal in 2015
- Revised MOU Prepared in 2017/2018 in response to 2015 CT DEEP MS4 Permit (Unsigned)
- COH is MS4 Permittee under 2016 CT DEEP MS4 Permit

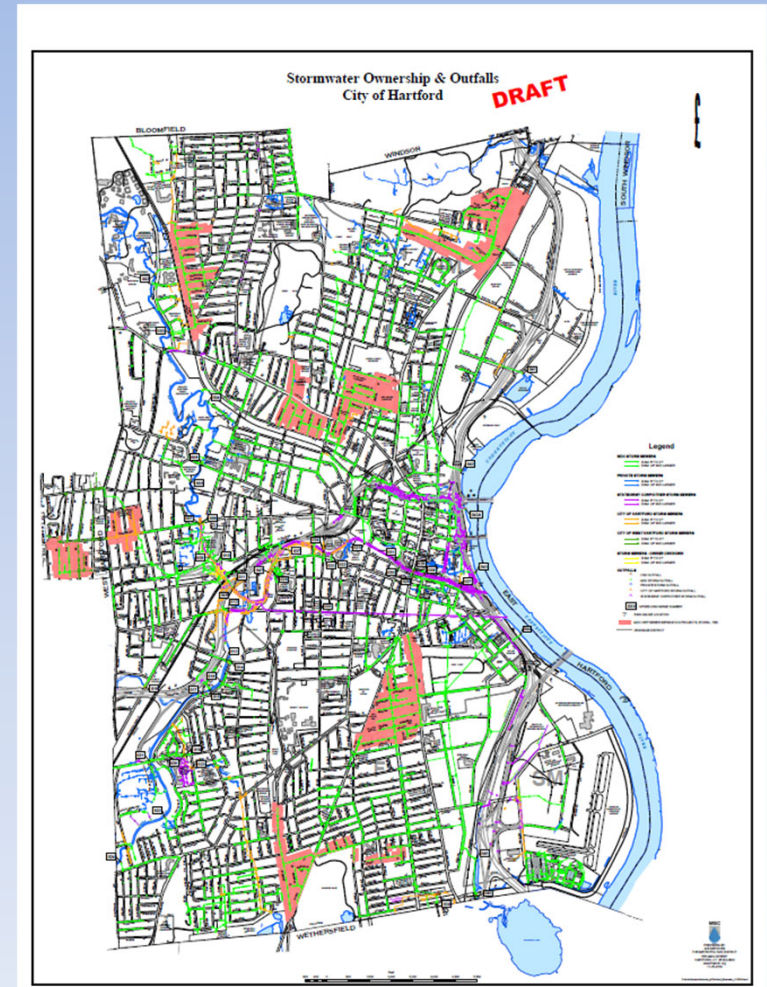
Communication with Hartford and CT DEEP

City of Hartford

- MDC submitted all required data to the City prior to the City's required annual submittal of its MS4 plan to CT DEEP
 - Based on MDC's responsibilities in Draft MOU
- MDC provided a DRAFT MOU to the City on August 6, 2018
- MDC provided the City in 2020 with a Draft Map of all stormwater pipes and determined ownership
- MDC Requests COH to remove sediment and debris from NBPR (see video)

CT DEEP

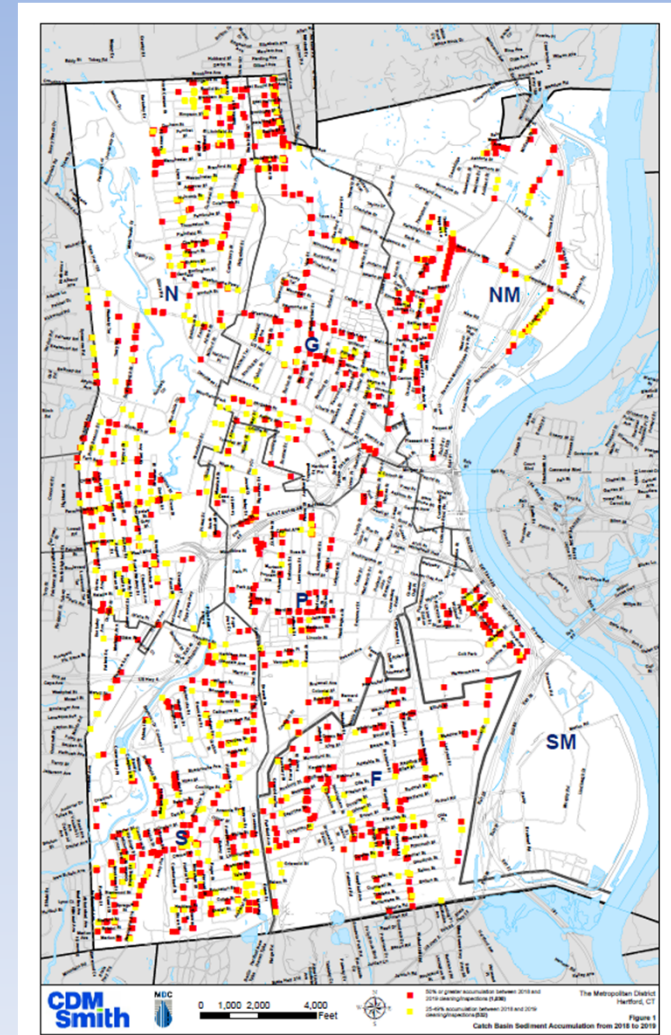
- MDC provided letters in 2017/18/19 to CT DEEP requesting support and direction to address the deficiencies identified in the City's MS4 Plan and intermunicipal coordination.



Major BMP Contribution from MDC

BMP#	Description	Activity
3-2	Develop list and maps of all MS4 stormwater outfalls in urbanized and priority areas	MDC provided a list and map of all MDC Outfalls and known COH Outfalls in 2018
3-3	Develop a program for citizen reporting of illicit discharges	MDC utilized existing notification system and process through MDC's Command Center
6-3	Implement coordination with interconnected MS4s	MDC provided a list and map of storm sewer and known and unknown ownership to the COH for review in 2020
6-10	Develop / Implement catch basin cleaning program	Completed in 2016 prior to start of MS4. Prior to cleaning of catch basins, the Maintainer records depth of debris in Sump. Results of catch basins with % full is reported to the COH for adjustment to street cleaning program (annually)
7-1	Screen all outfalls that discharge to impaired waters: beginning screening	MDC has completed the required initial screening of 43 outfalls in 2018/19/20. Analysis results were provided to COH for annual reports.

- 2018:
 - 2,362 CBs Cleaned
 - 1,466 CBs Inspected
- 2019:
 - 2,920 CBs Cleaned
 - 1,727 CBs Inspected
 - 1,030 CBs over 50% Full (Compared to 2018)
- 2020:
 - 2,436 CBs Cleaned
 - 2,265 CBs Inspected
 - 763 CBs over 50% Full (Compared to 2019)



Major BMP Deficiencies by COH

- BMP 4-4: Construction Site Runoff Control - Conduct Site Inspections:
 - The COH is responsible for the inspection and enforcement of construction site runoff control.
- BMP 6-2a: Minimize the discharge of pollutants to MS4 from parks and open space management:
 - The COH is responsible for the maintenance of its properties, parks, or other facilities that it owns or operates so as to minimize the discharge of pollutants to its storm system.
- BMP 6-9: Develop / Implement Street Sweeping Program:
 - The COH is responsible for developing a SOP for street sweeping and meeting its annual goal of all residential streets of twice/year.

COH BMP Compliance:

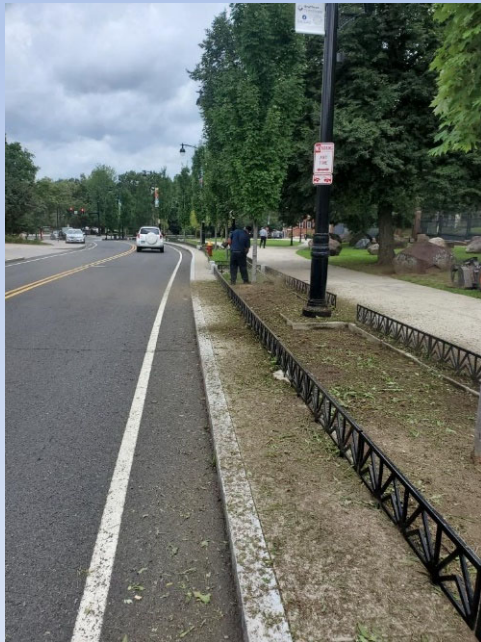
- BMP 4-4: Construction Site Runoff Control - Conduct Site Inspections



Photos taken from Westbrook Village Development (7/9/21 & 7/20/21)

COH BMP Compliance:

- BMP 6-2a: Minimize the discharge of pollutants to MS4 from parks and open space management:



Photos taken from Bushnell Park along Gold Street (7/29/21)

COH BMP Compliance:

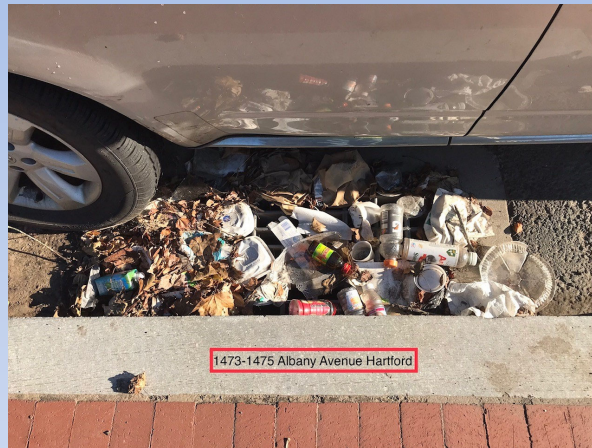
- BMP 6-9: Develop / Implement Street Sweeping Program:



Photos taken from Blue Hills Neighborhood (July 2020)

COH BMP Compliance:

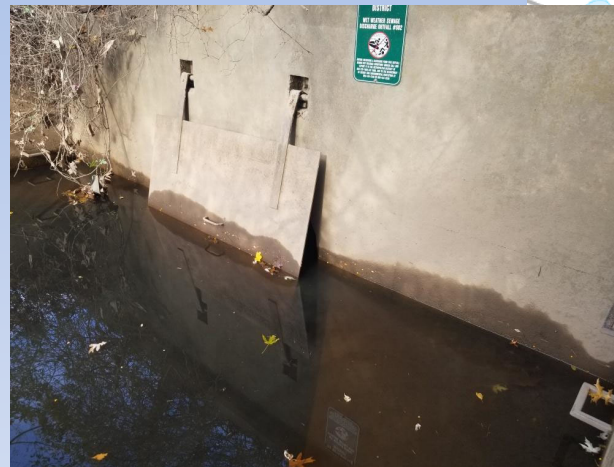
- BMP 6-9: Develop / Implement Street Sweeping Program:



Photos taken from Albany Avenue (10/7/21)

North Branch Park River

- Debris & Sediment in River impact current CSO & Stormwater Outfalls
 - Cleaning of River = COH Responsibility
- IP separation of approximately 410 Acres
- Phase 1 includes:
 - Separation of yellow
 - Design of blue & orange
 - Upsizing Homestead Ave. Interceptor (green pipe)
- Future Phases includes:
 - Separation of blue, orange and gray
 - Drainage sized to 10-year storm
 - City's Blue Hills Drainage Study
- Separation requires new stormwater outfalls
 - Effectiveness relies on NBPR Capacity



North Branch Park River Photos – April 13-16, 2018

CSO outfall N-2 before flooding (left) and during flooding (right)



CSO outfall N-4 before flooding (left) and during flooding (right)



Impacts to MDC

– Financial:

- COH owes MDC for CB Debris Disposal:
 - \$385,000 (approx.) dating back to 2015
- Additional Cleanings of CB's:
 - 763 Basins = \$101,000 in 2020
- Additional Cleaning of Combined Sewers (CS):
 - Columbus Blvd Siphon = \$1,069,400 in last 7 years
- Additional Staff (2) - \$200,000
- New Vac-Truck - \$500,000

– Regulatory:

- Debris in CS system leads to increased CSO volumes/events
- Additional CS cleaning per CMOM Program
- NBPR capacity impacts separation effectiveness





The Metropolitan District
water supply · environmental services · geographic information

November XX, 2021

Department of Energy & Environmental Protection
Attn: Jennifer Perry
Bureau of Materials Management & Compliance Assurance
Water Permitting & Enforcement Division
79 Elm Street
Hartford, CT 06106-5127

RE: General Permit for the Discharge of Stormwater from Small Municipal Separate Stormwater Sewer Systems (MS4 General Permit) – The Metropolitan District and the City of Hartford

Dear Ms. Perry:

For several years, The Metropolitan District (MDC) has assisted the City of Hartford (COH) with its efforts to comply with the MS4 General Permit issued to the COH by DEEP. As you are aware, the sewers in Hartford are, for the most part, a combined system. As such, it is in the best interest of both the MDC and the COH to work cooperatively to comply with the City's new MS4 General Permit and to memorialize this coordinated effort in a formal submission to DEEP. **On August 6, 2018, MDC provided the COH with a draft Memorandum of Understanding (MOU) to address the respective responsibilities of both parties and assign specific responsibilities in accordance with Best Management Practices (BMPs).** A copy of this draft MOU is enclosed for your reference. Of particular importance to the MDC is the division of responsibilities for cleaning of streets, ensuring that storm water can enter street side catch basins, and removal of debris from those same catch basins. Generally, the COH accepted the responsibility for the street and catch basin cover cleaning, and the MDC assumed the obligation to clean the catch basins of debris. The MOU memorializes this practice. Unfortunately, the frequency of and resultant costs associated with catch basin cleaning by the MDC is a direct function of whether the COH satisfies its responsibilities.

In response to several street flooding complaints, the MDC has been investigating the locations of these flooding complaints and identified the following deficiencies in the COH's MS4 BMP's.

BMP 4-4: Construction Site Runoff Control - Conduct Site Inspections – The COH is responsible for the enforcement of construction site runoff control measures. Based on MDC's general observation of various construction sites the results of our catch basin cleaning program, it is apparent that inspections and subsequent enforcement is not occurring. On the next page there are a number of photos from the Westbrook Village Housing Development on Mark Twain Drive during the July 9, 2021 rain event and on July 20, 2021 (dry day) detailing the lack of inspection and enforcement. Grit and debris are entering MDC's catch basin and ultimately its

combined sewer, resulting in the need for more frequent cleanings and capacity loss in the collection system.



BMP 6-2a: Minimize the discharge of pollutants to MS4 from parks and open space management – The COH acknowledges its responsibility for the maintenance of its properties, parks, or other facilities that it owns or operates so as to minimize the discharge of pollutants to its storm system. Specifically, the COH is to establish practices for the proper disposal of grass clippings and leaves at City-owned lands. Clippings shall be composted or otherwise appropriately disposed, so that clippings do not enter the storm system or waters of the State. Based on MDC’s general observation of maintenance in and around Bushnell Park, the COH is not properly collecting or disposing of grass clippings. Grass clippings are being left on the curb line and gutter line of the road. The result of this will be that these grass clippings will enter the storm system and eventually be discharged to the Connecticut River via the Park River Conduit. On the next page there are a number of photos from the Bushnell Park Area along Gold Street taken on July 29, 2021 showing the lack of grass clipping collection and disposal. The third photo

shows a maintenance worker blowing grass clippings into the road which will eventually be deposited in the catch basin at the intersection of Main and Gold Streets. The direct effect of this situation on the MDC is an increase in the nitrogen levels of the effluent treated at our waste treatment facility, at the same time that we are under a consent order with the State to reduce our nitrogen discharges into the Connecticut river.

BMP 6-9: Develop / Implement Street Sweeping Program – The COH acknowledges its responsibility for developing a standard operating procedure for street sweeping and cleaning generally and meeting its annual goal of all residential streets of twice/year specifically. In its 2020 MS4 Annual Report, the COH states that all residential roadways are swept once weekly. As shown in the photos below, this appears not to be the case. While we understand that, like all municipalities, there is a significant financial commitment associated with MS4 compliance, the lack of street sweeping at necessary intervals not only increases MDC’s efforts and costs to meet our responsibilities of BMP 6-10 (see below) and results in debris entering our sewers that could cause blockages and bypasses, but also effects COH residents plagued with otherwise preventable street flooding.



BMP 6-10: Develop / Implement catch basin cleaning program – The MDC, at its cost, cleans approximately one-third to one-half of the catch basins in Hartford each year, and also incurs the associated costs of disposal of the extracted material to the Manchester landfill. Based on the MS4 General Permit requirements, and, at least in part, the failure of the COH to fully comply with its MS4 responsibilities, the catch basin cleaning frequency has increased, resulting in a significant increase in the operational and disposal costs to the MDC and its ratepayers. Although the COH states in the annual report that the street sweeping program exceeds the minimum requirements, it is clear that the COH program needs to be evaluated to improve its effectiveness, and should be coordinated with the MDC to reduce debris from entering the catch basins.

For example, the MDC has identified 763 catch basins that are 50% full or greater in a one-year period, between 2019 and 2020. At the rate of 30 catch basin cleanings per day, this represents

an additional 5-6 weeks of catch basin cleanings, as annual catch basin cleanings that should not be anticipated. **Based on the increased frequency for cleaning these catch basins, MDC incurred additional costs of approximately \$101,000 for the cleaning these 763 catch basins.** The MS4 General Permit specifically requires the COH to reduce the sediment and debris entering the catch basins, clearly accomplished by more frequent street cleaning as required by BMP 6-9 and implementation of other pollution prevention measures identified in its permit.

Further exacerbating the issue is that for several years prior to the closure of the Hartford Landfill, the MDC and the COH had been functioning pursuant to an informal agreement whereby debris and materials from catch basin cleaning activities were disposed of at the landfill at no charge to the MDC. In exchange, the MDC was not invoicing the COH for the labor and equipment associated with these activities, regardless of how often the catch basins had to be, and were in fact, cleaned. Since late 2014/early 2015 when the landfill was closed, the MDC has been incurring costs for disposal of catch basin materials and debris. Because the COH can no longer provide the MDC with "in-kind" Consistent with prior practices, where the COH had been "paying" for disposal costs, the MDC began invoicing the COH for disposal costs in 2015, and to date the unpaid invoices total approximately \$385,000.00, which is an indication of the scope of the problem. Additionally, in this year's budget, MDC staff has proposed adding two sewer maintainer positions and purchasing another vacuum truck.

As part of our ongoing coordination efforts and discussions with the COH, the MDC has provided, and will continue to provide, the COH with the documentation of catch basin sump accumulation data. It is the MDC's expectation that the COH will use this condition monitoring data to target neighborhoods that require additional cleaning to reduce the grit accumulation rate in the catch basin sumps across the City. Additionally, MDC will be modifying the billing method for catch basin cleaning services to reflect our joint commitment to identifying problem locations, addressing the root causes and to provide an improvement to the performance of the system.

Overall, as you may be aware, the proper cleaning of these catch basins is critical to maintaining the capacity needed in the MDC's combined sewer system in the City. As part of our recent Combined Sewer Overflow (CSO) Long Term Control Plan (LTCP) Update/Integrated Planning submission, the MDC has determined that maintaining the combined sewer system at a capacity of at least 90% coupled with significant system rehabilitation will result in a 26% reduction in CSO volumes in a typical year. This reduction will be more difficult to attain if the COH fails to comply with the necessary pollution prevention measures stated in the MS4 General Permit.

Without cleaning these basins, much of this debris ends up in the MDC's combined sewer system. An example of this is the Columbus Boulevard Siphon. This siphon is a double-barreled siphon, with both a 36" and a 72" siphon crossing below the Whitehead Highway. The District has expended \$1,069,361 in the past 7 years cleaning and inspecting this siphon. Without these cleanings, the siphon capacity is reduced, which then can increase Combined Sewer Overflow (CSO) discharges at CSO regulators upstream. The below pictures show the debris that is typically found in this siphon.



Based on the issues identified with the BMPs above, the MDC is requesting DEEP's assistance with the COH addressing issues with the MS4 General Permit. .

The MDC would also like to discuss the ownership and responsibility for operation and maintenance of the all existing and future separated stormwater systems in Hartford based on the changes included in the MS4 General Permit, the Integrated Plan and NPDES permit requirements. We understand that the proper operation and maintenance of these systems is a critical infrastructure issue upon which the citizens of Hartford rely upon for public health and safety. Per the terms of the permit the COH should be abating sediment loading sources to the "maximum extent practical".

The MDC submitted its CSO Long-Term Control Plan/Integrated Plan (LTCP/IP) to DEEP in December 2018. Since then, in response to CT DEEP comments, the MDC has been working with DEEP staff on revisions and clarifications. Unlike the 2012 CSO LTCP, the 2018 CSO LTCP/IP includes a significant amount of sewer separation work as a means for CSO elimination/control and Consent Order Compliance. It is the MDC's understanding that, upon completion, these areas of Hartford will be considered separated, and therefore would be under EPA regulations for Clean Water Act related violations.

Additionally, the MDC is concerned that while sewer separation efforts will improve street drainage in certain areas, new drainage systems in the Granby and Blue Hills neighborhoods will be constrained by the capacity of the North Branch Park River (NBPR). In the opinion of the MDC, the COH is required to maintain this water course, and this includes the removal of trees and sediment where capacities are reduced. The maintenance of this watercourse is required for both maintaining adequate drainage capacity for these new drainage systems to a 10-year storm (per CT DOT standards), and to mitigate private property flooding from the NBPR.

Finally, as per the MDC's NPDES Permit (CT0100251) for the Hartford Water Pollution Control Facility (HWPCF), the MDC staff will be presenting a new ordinance to the District Board which may include one or more of the following:

- Prohibition of the construction of new combined sewers;
- Prohibition of the connection of new inflow sources to the existing combined sewer system, or to separated sewers in Hartford upstream of the combined sewer system; and

- Compliance with the City of Hartford's Planning and Zoning regulations with regards to stormwater management. This includes, but is not limited to, a zero-net increase in stormwater discharge (peak flow rates) from newly developed parcels in 2, 10, 25, and 100-year storms.

Once DEEP has reviewed the issues identified above and the COH annual report, we request a meeting with you and your staff and the COH at the earliest convenience to discuss them in more detail. If you have any questions please call me at (860) 278-7850 ext.3200.

Sincerely,
The Metropolitan District

Scott Jellison, P.E.
Chief Executive Officer

Cc: Sally Keating, MDC
Chris Levesque, MDC
Jason Waterbury, MDC
Frank Dellaripa, COH
Michael Looney, COH
Susan Negrelli, MDC
Craig Scott, MDC

DRAFT



Bureau of Public Works

November 22, 2021

Agenda Item: 6 – Proposed Sewer Ordinance S3w

Proposed New Ordinance (S3w)

- Ordinance: Connections to Combined Sewers and Storm Sewers
 - In alignment with CSO Long-Term Control Plan/Integrated Plan
- Drivers:
 - NDPES Permit (2015)
 - Section 9, Requirement 12 (a) and (b)-prepare ordinance that prohibits extension of the combined sewer system and introduction of new inflow sources.
 - City of Hartford Zoning Regulation
 - 2-100 Year Peak Discharge (Pre/Post development)
 - Water Quality-capture 1” of rain and control peak discharges
 - Alternative Compliance to Regulation-sewer separation or allow for payment to City for non-conformance
 - » Payment to City for usage of MDC infrastructure
 - MDC’s No-Net Flow Rate Increase Design Criteria-control flooding in sewer system (surcharging).

ADDITION TO DISTRICT SEWER ORDINANCES

To: Bureau of Public Works for consideration November 22, 2021

The Chief Executive Officers recommends that the Bureau of Public Works refer the following addition to the District's Sewer Ordinances to the Committee on MDC Government for review and consideration under the District's new ordinance process.

It is therefore **RECOMMENDED** that it be:

Voted: That the Bureau of Public Works approves the following resolution:

Resolved: That the Bureau of Public Works hereby refers the following addition to the District's Sewer Ordinances to the Committee on MDC Government for review and consideration under the District's new ordinance process.

S3w STORMWATER AND GROUNDWATER CONNECTIONS TO SEWERS

As mandated within and prohibited by the District's Municipal National Pollutant Discharge Elimination System (NPDES) Permit, as may be modified or amended (the "Permit"), no new stormwater or groundwater connections or discharges, either by way of a separated sewer or combined sewer, shall be allowed to connect to any new or existing combined sewer or any District-owned storm sewer tributary to a combined sewer. Any such connection is deemed illegal and accordingly, shall be reported to the Connecticut Department of Energy and Environmental Protection (CT DEEP).

As further mandated within and prohibited by the Permit, the construction of new combined sewers, except in cases where repair or replacement of the existing system is approved in writing by the Commissioner of DEEP, is prohibited.

In the event any municipality or other governmental authority seeks to discharge or permit others to discharge storm or ground water to any portion of a separated storm sewer or drainage system owned by the District, , said municipality, governmental authority or other entity, as a condition to the District allowing said discharge, must comply with the District's "No Net Increase" Policy and any applicable state, municipal or other local laws, regulations, permits, orders or standards.

Discharge of storm and ground water into an existing separated storm sewer or drainage system owned by the District which is not tributary or otherwise connected to a combined sewer of the District is not permitted **unless** the party, municipality, governmental authority or other entity seeking to discharge to the separated storm sewer or drainage system submits a detailed hydraulic analysis for review by District staff through the MDC's Availability and Capacity Analysis (AC) process, which submittal shall demonstrate compliance with MDC's "No Net Increase" design criteria (for existing developments or redevelopments) and by controlling peak discharge rates to the District separated storm sewer or drainage system for the 2-, 10-, 25-, and 100-year storm events with respect to

pre-and post-development site conditions and any other applicable municipal, local or state regulations. For all new developments (previously not connected to the MDC separated storm sewer or drainage system) proposed discharge peak rates to the existing separated storm sewer or drainage system shall not be allowed to exceed the 10-year storm. All submittals shall be prepared and certified by a Professional Engineer licensed in the State of Connecticut.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "S. Jellison", written in a cursive style.

Scott W. Jellison
Chief Executive Officer

BUREAU OF PUBLIC WORKS
FISCAL YEAR 2022 - REVISIONS TO DISTRICT SEWER USER CHARGE RATES AND OTHER SEWER CHARGES

To: Bureau of Public Works for consideration on November 22, 2021

In accordance with Section S12j of the District's Ordinances, sewer use unit charge rates shall be determined annually in conjunction with adoption of the District Budget. The 2022 budget in support of sewer operations calls for a sewer user charge rate increase from \$5.31 to \$5.90 or 11.1% effective January 1, 2022.

Additionally, in support of the 2022 budget and in accordance with Section S12l of the District's Ordinances, the monthly sewer customer service charge per connection will increase from \$7.00 to \$9.00 or 29.0% effective January 1, 2022.

There will be an Administrative Review Fee for work performed by the Utility Services department, Engineering, Real Estate, Environment, Health & Safety, and others related to customer requests. The Administrative Review Fee includes, but is not limited to, the following individual services: availability and capacity analysis, assessment calculation, permit applications for non-domestic sewage wastewater discharges (including, but not limited to, individual permits, Significant Industrial Users, Categorical Industrial User Wastewater to a POTW, Food Service Establishment Wastewater, Groundwater Remediation Wastewater, Miscellaneous Discharges of Sewer Compatible (MISC) Wastewater, Vehicle Maintenance Wastewater), encroachment permits, abandonment of infrastructure, Engineering/Environmental surveys and documentation requests.

There will be an Annual Wastewater Discharge Compliance Fee for all permitted wastewater discharges categorized as non-domestic sewage discharges, including but limited to, individual permits, Significant Industrial Users, Categorical Industrial User Wastewater to a POTW, Food Service Establishment Wastewater, Groundwater Remediation Wastewater, Miscellaneous Discharges of Sewer Compatible (MISC) Wastewater, Vehicle Maintenance Wastewater. The charge is related costs associated with annual administration and review of discharge monitoring reports, verification of discharges and inventorying and management of customer data.

Following the cost trend for the sewer user charge rate, it is recommended the BOD and COD rates be increased from \$0.63 to \$0.70 per pound or 11.1% effective January 1, 2022. In addition, the suspended solids strength charge will increase from \$0.52 to \$0.58 per pound or 11.1% effective January 1, 2022. These unit charges, which apply to high flow users, low flow/high strength users and non-municipal tax-exempt users, are for the following:

1. Liquid flow charge rate based on sewer flow in hundreds of cubic feet (CCF).
2. BOD (biochemical oxygen demand) strength charge rate based on pounds of BOD for the concentration of BOD exceeding 300 milligrams per liter (mg/l); AND/OR COD (chemical oxygen demand) strength charge rate based on pounds of COD for that concentration of COD exceeding 700 mg/l.
3. Suspended solids strength charge rate based on pounds of suspended solids for that concentration exceeding 300 mg/l.

In accordance with Section S12p of the District's Ordinances, sewer user charge Late Filing/Sewage Evaluation Fees will remain at \$250.00 for the 2022 budget.

Additionally, Section S12x of the District’s Ordinances provides for the Clean Water Project Charge, primarily for payment of principal and interest on certain bonds and loans which proceeds are used to finance the costs associated with the Clean Water Project. The clean water project charge is set annually in conjunction with adoption of the District Budget. Effective January 1, 2022, said charge shall be \$4.10 per hundred cubic feet (ccf) to be uniformly applied and to be proportional to the quantity of water used by District customers who utilize the District sewer system and are furnished water directly by the Metropolitan District. The clean Water Project charge shall appear separately on the water bills of the District.

Liquid Waste Discharge Fee (other than Acceptable Septage): A fee is required as part of the approval from MDC for its acceptance, by whatever means, of the discharge of liquid waste other than Acceptable Septage, as provided by §S13b of the District’s Sewer Ordinances. For example, but without limiting the forms of liquid waste subject to this fee, this fee shall apply to the following without limitation: groundwater; remediated groundwater; contaminated stormwater; contaminated groundwater permitted through a CT DEEP Groundwater Remediation General Permit or other CT DEEP Miscellaneous General or Individual Permit; landfill leachate; process equipment condensate; groundwater used for process water including cooling water; discharges granted temporary authorization to discharge by CT DEEP; and stormwater discharged into a separated sanitary sewer system.

Liquid Waste Discharge Fee (other than Acceptable Septage)

Tier 1--	0-500,000 gallons per month	\$0.13/gal
Tier 2--	500,001 to 700,000 gallons per month	\$0.07/gal
Tier 3--	700,000+ gallons per month	\$0.05/gal

FOG Charges: Fees are charged to Class III and IV and FDA class 2, 3, and 4 Food Service Establishments FSE or any other facility that is likely to discharge fats, oils and grease above the effluent limit of 100 mg/l to offset the costs of managing the Fats, Oils and Grease (FOG) program. This program is required by the CT Department of Energy and Environmental Protection General Permit for the Discharge of Wastewater Associated with Food Service Establishments.

It is **RECOMMENDED** that it be

Voted: That the District Board approve the following resolution:

Resolved: That, in accordance with Section S12j of the District Ordinances, Unit Charges For Computing The Sewer User Charge, a sewer user charge rate of five dollars and ninety cents (\$5.90) per hundred cubic feet of sewer flow be effective for meter readings on and after January 1, 2022 and that, effective January 1, 2022, a sewer user customer service charge per connection of nine dollars (\$9.00) per month, a BOD strength charge of seventy cents (\$0.70) per pound be billed on sewer flow for that concentration of BOD exceeding 300 milligrams per liter; a COD strength charge of seventy cents (\$0.70) per pound be billed on sewer flow for that concentration of COD exceeding 700 milligrams per liter; and a suspended solids strength charge of fifty eight cents (\$0.58) per pound be billed on sewer flow for that concentration of suspended solids exceeding 300 milligrams per liter.

Further

Resolved: In accordance with Section S12x of the District’s Ordinances, the rate for the Clean Water Project Charge (f/k/a Special Sewer Service Charge) shall be \$4.10 per ccf commencing January 1, 2022.

Also Voted: That the following fee schedule remains unchanged from 2021 and the District Board hereby approves the following fees effective January 1, 2022.

Installation, Repair or Replacement of Sewer Meters

Fees are charged to wastewater dischargers that require metering of discharges for billing purposes. The charge is for the initial District meter installation and required repair or replacement of District meter as needed during the permitted discharge period.

5/8” meter	\$360
3/4” meter	\$375
1” meter	\$445
1-1/2” meter	\$1,140
2” meter	\$1,250

Installation, Repair or Replacement of Sewer Meters (cont’d)

3” meter	\$2,630
4” meter	\$3,180
6” meter	\$4,960
8” meter	\$14,840
10” meter	\$17,110
12” meter	\$17,800
Meter Box (5/8” to 1”)	\$1,750
Meter Pit (1 ½” and larger)	Actual Cost* + Overhead
Open Channel Sewer	\$15,300
Meter Chamber for Open Channel	Actual Cost* + overhead
Radio transmitter unit	\$200

Liquid Waste Discharge Fee (other than Acceptable Septage)

Tier 1--	0-500,000 gallons per month	\$0.13/gal
Tier 2--	500,001 to 700,000 gallons per month	\$0.07
Tier 3--	700,000+ gallons per month	\$0.05

Sewer User Charge Late Filing/Sewage Evaluation Fees \$250

* The charge will be the District’s cost of material, labor and equipment used, plus overhead at prevailing rates. In circumstances where this procedure for charging a customer would significantly delay the final billing, the District will use an appropriate estimate of its cost.

Administrative Review for Sewer Services Fee \$540

Includes, but is not limited to, the following individual services: availability and capacity analysis, assessment calculation, permit applications for non-domestic sewage wastewater discharges (individual permits, Significant Industrial Users, Categorical Industrial User Wastewater to a POTW, Food Service Establishment Wastewater, Groundwater Remediation Wastewater, Miscellaneous Discharges of Sewer Compatible (MISC) Wastewater, Vehicle Maintenance Wastewater), encroachment permits, abandonment of infrastructure, Engineering/Environmental surveys and documentation requests

Annual Wastewater Discharge Compliance Fee \$150

For all permitted wastewater discharges categorized as non-domestic sewage discharges, including but limited to, individual permits, Significant Industrial Users, Categorical Industrial User Wastewater to a POTW, Food Service Establishment Wastewater, Groundwater Remediation Wastewater, Miscellaneous Discharges of Sewer Compatible (MISC) Wastewater, Vehicle Maintenance Wastewater. The charge is related costs associated with annual administration and review of discharge monitoring reports, verification of discharges and inventorying and management of customer data.

Wastewater Discharge Compliance Fees

Failure to submit Registration or Variance Applications	\$500
Disallow Inspection	\$225
Failure to maintain discharge records including analytical results and discharge volumes	\$200
No FOG management or pre-treatment equipment installed	\$200
Non-compliant FOG management or pre-treatment equipment installed	\$200
Failure to properly maintain/service FOG and pre-treatment equipment to maintain proper working order and provide inspection and maintenance records as required.	\$100
Failure to maintain FOG management equipment in proper working order	\$200
Failure to clean FOG management equipment quarterly or when 25% of the depth of the trap is filled with food solids and FOG, whichever comes first.	\$200
Failure to properly dispose of brown and/or yellow grease	\$200

Source of sewer blockage	\$1,000
Source of sanitary sewer overflow - Actual costs will be billed to the facility for time and materials related to the overflow	minimum \$1,000 or Actual Cost whichever is greater

Wastewater Discharge Violation Correction Schedule

Discharge and/or Equipment not registered	7 days
No FOG management or pre-treatment equipment installed	30 days
FOG management equipment in need of repair or cleaning	7 days
Failure to maintain written records of FOG management equipment cleaning and inspection	7 days
Disallow an inspection – Inspection must be scheduled within 7 days of initial inspection attempt	7 days
Failure to clean and maintain FOG management equipment as required	7 days
Source of sewer blockage	24 Hours
Source of sanitary sewer overflow (minimum)	24 Hours

Respectfully Submitted,



John S. Mirtle, Esq.
District Clerk

**ACCEPTANCE OF SEWERS BUILT BY DEVELOPER'S
PERMIT-AGREEMENT**

To: Bureau of Public Works for consideration on November 22, 2021

The sewers outlined in the following resolution have been constructed under Developer's Permit-Agreement in accordance with the plans, specifications and standards of the District, and the Director of Engineering has certified to all of the foregoing.

It is therefore **RECOMMENDED** that, pursuant to Section S8g of the Sewer Ordinances re: "Acceptance of Developer's Sewers," it be

Voted: That the Bureau of Public Works recommends to the District Board passage of the following resolution:

Resolved: That, in accordance with Section S8g of the District Ordinances, the following is incorporated into the sewer system of The Metropolitan District as of the date of passage of this resolution:

	Sewers In	Built By	Completion Date
1	Oleski Farms Stone Brook Crossing, Rocky Hill DVSRKH07	Developer: Rocky Hill Development Co Contractor: Earth Excavations	July 16, 2021

Respectfully submitted,



Scott W. Jellison
Chief Executive Officer

MDC



Bureau of Public Works
November 22, 2021
Agenda Item: 9 – Contract 3 Tunnel Pump Station

SHCST Contract 3 – Tunnel Pump Station

- Bids received October 14, 2021
- Three bids received
 - CH Nickerson \$114,980,305
 - Walsh \$126,598,828
 - Daniel O’Connell \$127,000,000
- Bid prices are in line with Engineer’s estimate
- Proceeding with award process
- DEEP indicates that grant money is available (48% Grant)
- Funding will include construction, engineering /construction management, and contingency
- Grant portion to be added to overall program authorization

SHCST Contract 3 – Tunnel Pump Station

- Upon completion and placement into service, the structural SSOs in West Hartford and Newington will be eliminated (Consent Decree Requirement) and South Branch CSOs will be controlled
- Continuing to evaluate options for connecting Franklin and Maple Area CSOs to tunnel (Contract 4)
- Grant money for Contract 3 is essential to fund Contract 4