

CERTIFICATE FOR
ORDER AMENDING CONSOLIDATED RATE ORDER

THE STATE OF TEXAS	§
COUNTY OF HARRIS	§
HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 109	§

We, the undersigned officers of the Board of Directors (the "Board") of Harris County Municipal Utility District No. 109 (the "District") hereby certify as follows:

1. The Board convened in regular session, open to the public, at the Atascocita Fire Department, 18425 Timber Forest Drive, Humble, Texas, 77346, at 6:00 p.m. on September 17, 2019, whereupon the roll was called of the members of the Board, to-wit:

Owen H. Parker, President
Chris Green, Vice President
Cheryl Moore, Secretary
Robin Sulpizio, Assistant Secretary
Nancy Frank, Assistant Secretary

All members of the Board were present, except Director Frank, thus constituting a quorum. Whereupon among other business, the following was transacted at such Meeting:

ORDER AMENDING CONSOLIDATED RATE ORDER

was duly introduced for the consideration of the Board and read in full. It was then duly moved and seconded that such Order be adopted; and, after due discussion, such motion, carrying with it the adoption of such Order, prevailed and carried by the following votes:

AYES: 4 NOES: 0

2. A true, full, and correct copy of the aforesaid Order adopted at the Meeting described in the above and foregoing paragraph is attached to and follows this Certificate; such Order has been duly recorded in the Board's minutes of such Meeting; the above and foregoing paragraph is a true, full, and correct excerpt from the Board's minutes of such Meeting pertaining to the adoption of such Order; the persons named in the above and foregoing paragraph are the duly chosen, qualified, and acting officers and members of the Board as indicated therein; each of the officers and members of the Board was duly and sufficiently notified officially and personally, in advance, of the time, place, and purpose of such Meeting, and that such Order would be introduced and considered for adoption at such Meeting and each of such officers and members consented, in advance, to the holding of such Meeting for such purpose; and such Meeting was open to the public, and public notice of the time, place, and purpose of such Meeting was given, all as required by Chapter 551, Texas Government Code, as amended, and Section 49.063, Texas Water Code, as amended.

SIGNED AND SEALED September 17, 2019

HARRIS COUNTY MUNICIPAL
UTILITY DISTRICT NO. 109



President, Board of Directors

ATTEST



Secretary, Board of Directors

(DISTRICT SEAL)



ORDER AMENDING CONSOLIDATED RATE ORDER

THE STATE OF TEXAS
COUNTY OF HARRIS
HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 109

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WHEREAS, the Board of Directors (the "Board") of Harris County Municipal Utility District No. 109 (the "District") has previously adopted rates, fees, rules, regulations, and policies with respect to the District's waterworks and sanitary sewer collection system; and

WHEREAS, from time to time the Board has amended such rates, fees, rules, regulations and policies; and

WHEREAS, the Board deems it appropriate and necessary to amend the rate order, and to restate such order as so amended;

IT IS, THEREFORE, ORDERED BY THE BOARD OF DIRECTORS OF HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 109 THAT:

I. CONNECTIONS AND FEES.

A. Connections Made and Inspected by District Operator; Plans Reviewed by District's Engineer.

1. Waterworks. All connections to the waterworks of the District shall be made by the District's operator and shall be metered (except fire line connections). All fireline connections shall be made by the District's operator and (a) shall be metered or (b) shall have a flow detector (of the type specified by the District's engineer), or (c) the owner shall install a sprinkler system with a pressure sensitive and activated alarm system. The unmetered fireline shall include a backflow preventer (of the type specified by the District's engineer) immediately downstream of the fireline tap.

2. Temporary Meters. All temporary connections to the waterworks of the District shall be made by the District's operator and shall be metered.

3. Sanitary Sewer. All connections to the sanitary sewer system of the District (including the sanitary sewer lines up to the building slab) shall be inspected by the District's operator. The sanitary sewer line inspection shall be performed prior to back filling. Any line not inspected and not approved must be uncovered to permit such inspection or shall pass such alternate method of inspection as approved by the Board.

4. Storm Sewer. All connections to the storm sewer system of the District shall be made as specified by the District's engineer and shall be inspected for compliance by the District's operator.

5. Inspections of unmetered facilities. All underground piping downstream from the water connection for unmetered firelines shall be inspected by the District's operator prior to back filling and shall be pressure tested under the supervision of the District's operator.

6. Engineer's review of plans and specifications. Before any connection, other than a single family residential connection, is made to the District's water, sewer, or drainage system, the person requesting such connection shall submit, at least 14 days prior to applying for a tap into the lines of the District, to the District's engineer for review and approval the water, sanitary sewer, and drainage plans and specifications for the property for which the connection is sought. Such plans shall clearly show the estimated volumes of water or effluent and the proposed points of connection to the District's system. A copy of such approved plans, with the engineer's approval indicated thereon, shall be submitted to the District's operator. Any modification of such plans shall require re-approval by the District's engineer. The District reserves the right to require removal of any connection made in violation of this Section.

7. Plat Requirement. Notwithstanding anything herein to the contrary, the operator shall make no connection to the District's water or sanitary sewer collection system unless either

(a) the tract, parcel, or lot of land to be served by such connection is part of an area covered by a development plat duly approved pursuant to article 974a-3, Texas Revised Civil Statutes, as amended, or pursuant to an ordinance, rule, or regulation relating to such a development plat,

(b) the operator has been presented with or otherwise holds a certificate applicable to such tract, parcel, or lot of land issued by or on behalf of the Planning Commission or City Council of the City of Houston, Texas, under section 4A, article 974a, Texas Revised Civil Statutes, as amended, stating that either a plan, plat, or re-plat of such tract, parcel, or lot either is not required or has been revised and approved by such Commission or Council, or

(c) such tract, parcel, or lot was first connected to such system prior to September 1, 1987.

B. Payment of Fees and Deposit. Any party desiring a connection to the District's waterworks or sanitary sewer or storm sewer system shall complete and file with the District's operator an application therefor in the form attached hereto as Exhibit "A", or such other form as such operator may prescribe from time to time, and shall pay the water tap fee, sanitary sewer inspection fee, storm sewer inspection fee, and fee for engineer's review of plans and specifications, as the case may be, described in Paragraph I.C. hereof and the deposit described in Paragraph I.D. hereof prior to receiving such connection. No connection shall be made until such fees and deposit are paid.

Any party desiring a temporary connection to the District's waterworks system shall file an application with the District's operator and shall pay the installation fee prescribed in

Paragraph I.C. hereof and the deposit prescribed in Paragraph I.D hereof prior to receiving such temporary meter and a flushing valve wrench.

C. Tap and Inspection and Installation Fees. The following tap fees are based on ultimate and full utilization of a given user's tract. The water tap fees shall be assessed based on the plans and specifications as approved by the District's engineers and shall be calculated as follows:

Single-family Residential:

1 inch	x	1 inch meter	\$1,100.00 (153 - \$1,200; 151 - \$1,000; 132 - \$1,050, includes meter and box)
3/4 inch	x	5/8 inch meter	\$ 670.00 (132 - \$600.00)
3/4 inch	x	3/4 inch meter	\$ 850.00 (153 - \$1,000)

Fireline tap fees:	Cost to the District of installing the tap.(
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Sprinkler meter:	Two times the cost to the District of installing the tap.
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All other meters, up to and including two inches:	Three times the cost to the District of installing the tap.
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Other:	Fees for meters other than those described above shall be determined by the Board on an individual basis, but in no event more than three times the cost to the District.
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The sanitary sewer inspection fee shall be \$175 per inspection for residential connections and cost plus 15% per inspection for commercial connections. For each inspection that results in a rejection of the line inspected, an additional fee of \$25 will be assessed.

The commercial sewer line inspection fee shall be cost to the District times two.

The storm sewer inspection fee shall be cost to the District of all necessary inspections plus \$250.

Each builder shall be charged \$30.00 for a pre-construction lot inspection and \$30.00 for each post-construction lot inspection or re-inspection. Builders shall also be charged \$150.00 for customer service inspections in accordance with Section III (B).

The fee charged for the engineer's review of plans and specifications shall be \$500 plus \$50 per acre or any part thereof in the parcel served.

The installation fee for a temporary connection shall be \$50.00.

D. Deposit. Each person, other than a home builder who complies with the provisions of paragraph E below, requesting a water or sanitary sewer or storm sewer connection or a temporary connection shall establish with the District a deposit conditioned upon compliance with this Order and the District's Rules and Regulations adopted by this Order and payment in full of any damage to the District's waterworks, sanitary sewer, and storm sewer system caused by and water and sewer service charges assessed against such person. For permanent connections, such deposit shall be returned after the sanitary sewer and/or storm sewer service lines have been inspected and connected to the District's sanitary sewer and/or storm sewer system. For temporary connections, such deposit shall be returned (less amounts owed the District) after the operator has removed the meter, on request of the owner. The amount of each such deposit shall be computed in accordance with the following schedule:

<u>Meter Size (Inches)</u>	<u>Deposit</u>
Temporary Meters	\$ 750.00
2 and smaller	\$ 1,000.00
3	\$ 1,600.00
4	\$ 2,500.00
6	\$ 3,500.00
8 and over	\$ 4,000.00

II. REQUIREMENTS OF HOMEBUILDERS

A. Builder Deposit. Each builder of homes within the District shall establish a deposit of \$500 with the District, which deposit shall be refunded without interest to each builder at the completion of the builder's homebuilding program within the District except to the extent such deposit has been applied as provided in Paragraph II.B. hereof; provided that, if such home builder violates any part of this Order, the amount of such builder's deposit shall be immediately doubled for each violation.

B. Use of Deposit. The cost of any repairs to waterworks or sanitary or storm sewer lines necessitated by builder negligence shall be billed by the District's operator to the builder responsible therefor at the rate of cost plus 25% (representing the District's service handling charge). A \$25.00 administrative fee shall be added to the invoice to any builder delinquent in paying such bills for 30 days or more. At any time that a builder is delinquent in paying such bills for 60 days or more or responsible for outstanding bills in the amount of \$500 or more, the District shall transfer the \$500 deposit or any part thereof to its operating fund to pay such bills and require that such deposit be replenished by such amount transferred or require that an additional \$500 or greater deposit be made by the builder before allowing the installation of additional water taps for such builder.

C. Adjustments of Manholes, Fire Hydrants, Meter Boxes, and Clean Out Valves. Builders of homes within the District must contact the District's operator requesting the

adjustment of manholes, fire hydrants, valve boxes, or clean out valves within thirty days following the closing of the purchase of the lot on which such manhole, fire hydrant, meter box, or clean out valve is located. Following such thirty-day period, the home builder will be responsible for the cost of such adjustment.

D. Damaged Meters and Meter Boxes; Obstructions. Each customer shall be responsible for protecting any and all District meters and meter boxes located on property of such customer and shall be assessed the cost to the District of repairing or replacing such meters or meter boxes when damaged by any cause whatsoever, except by act of the District or its operator.

After a water meter has been set, each Customer shall at all times keep the area in, around and upon the meter and box and District easements and property under customer's control free from rubbish or obstructions of any kind. Failure to keep the meter and box and District easements and property under customer's control free from rubbish or obstructions may result in disconnection of water services and/or the assessment of charges necessary to remove said obstructions. Customers are further prohibited from introducing material into the District's waterworks, sanitary sewer, and storm sewer system which would cause obstruction of said system. In the event that an inspection by the District's engineer or District's operator reveals any such obstructions, the District reserves the right to immediately and without notice remove the obstruction. Any District cost for removal of obstructions, plus a District administration fee of fifty percent (50%) of said costs, shall be assessed to Customer. The District's operator shall have rights of ingress and egress to Customer's property in order to carry out the provisions of this Section.

E. Builder Damage Procedure. When a builder improves a lot, reserve or other property, the builder may damage District facilities on the property. The builder may avoid responsibility for damages existing at the time the builder obtains control of the property by contacting the District, through the operator prior to the clearing of any lot, to do a survey of District facilities on the property. The fee for such inspection shall be \$30.00, to be paid by the builder at the time the inspection is requested. Any damages noted at this time will be repaired at no expense to the builder.

To be released from or to limit the amount of any claim for damage to District facilities due to a builder's activities, the builder must contact the District, through the operator, to make a final inspection to determine any damages to facilities while under the control of the builder. This inspection will not be made until all work, including fences, landscaping and resodding, is completed. This inspection can be made even if the property has not been sold if the builder has completed all work. The fee for this inspection shall be \$30.00, to be paid by the builder at the time the inspection is requested. A representative of the builder will be asked to sign the inspection, authorizing the repairs at his expense. The cost of any repairs to facilities damaged due to builder activities may be deducted from the builder's deposit with the District. If, at the time of the final inspection, the builder has not completed all work the inspection will be rejected and an additional inspection will be performed at an additional fee of \$30.00. A final inspection will not be made unless an approved sewer inspection is on file with the District.

All repairs, except for positioning or replacement of meter boxes, will be performed by the operator, regardless of with whom the financial responsibility for the repair resides. Positioning or replacement of meter boxes may be performed by the builder only before the final survey is made.

Damages are not limited to structural damages, but also may include problems arising from burying, covering up, restricting access to, or fencing over the top of the facilities, causing land elevations adjacent to facilities to change, making facilities nonfunctional, and similar actions. Hidden damages not apparent at the time of a survey but discovered later will be back charged to those responsible if there is sufficient evidence to support a claim.

Regardless of the status of the lot or reserve or any property as indicated in the above procedure, the District is the owner of its assets and will take those actions it deems necessary to prevent damage to its property or injury to persons, with or without notice to others, and will also take those actions it deems necessary to recover the expense of those repairs from any party responsible for causing them.

III. INSPECTIONS AND REPAIRS.

A. Inspection of Backflow Devices.

1. All backflow prevention assemblies shall be tested by a recognized backflow prevention assembly tester upon installation and certified to be operating within specifications. This inspection shall be conducted prior to the time the operator makes a permanent water connection to the District's system and the District's operator shall be provided with a test report in the form of Exhibit "B". At the option of the customer, the District's operator may perform the test, and the cost will be charged to the customer.

2. Backflow prevention assemblies which are installed to provide protection against high health hazards must also be tested and certified to be operating within specifications at least annually. A high health hazard is defined as a cross-connection, potential cross-connection, or other situation involving any substance that could cause death, illness, spread of disease, or has a high probability of causing such effects if introduced into the potable drinking water supply. A customer at an establishment which presents high health hazards must provide the District with a test report annually. In the event any establishment fails to provide such a report within thirty days after written notification by the District that such a report is required, the District's operator shall inspect the backflow prevention device and the cost will automatically be charged to the customer's account.

3. Any backflow prevention device required by these rules must be located on each potable or irrigation service between the meter and the building foundation or prior to the first branch in the service line and designed and constructed to facilitate maintenance of the installation and inspection. Before beginning construction of a backflow preventer, a commercial user shall submit plans to the District for review and approval to insure compliance with this section.

4. To be a recognized backflow prevention assembly tester, a person shall meet the standards promulgated by the Texas Commission on Environmental Quality (the "Commission").

5. Gauges used in the testing of backflow prevention assemblies shall be tested for accuracy annually in accordance with the University of Southern California's Foundation of Cross Connection Control and Hydraulic Research and/or the American Water Works Association Manual of Cross Connection Control (Manual M-14). Testers shall include test gauge serial numbers on "Test and Maintenance" report forms.

6. A test report must be completed by the recognized backflow prevention assembly tester for each assembly tested. The signed and dated original must be submitted to the District for record keeping purposes. Should the tester choose to use a report format which differs from that attached hereto as Exhibit "B", it must minimally contain all information required by the report form.

7. The use of a backflow prevention device at the service connection shall be considered as additional backflow protection and shall not negate the use of backflow protection on internal hazards as outlined and enforced by local plumbing codes.

B. Customer Service Inspections.

1. A customer service inspection certification in the form attached hereto as Exhibit "C" must be completed and delivered to the District: (1) prior to the time the District's operator provides sanitary sewer service or permanent water service to a new connection in the District, (2) within 5 days after an existing customer receives notice from the District that it has reason to believe that cross-connections or other unacceptable plumbing practices exist at his establishment, or (3) within 30 days after any material improvement, correction or addition is made to the private plumbing facilities of any connection.

2. Individuals with the following credentials shall be recognized as capable of conducting a customer service inspection certification.

(a) Plumbing Inspectors and Water Supply Protection Specialists holding license endorsement issued by the Texas State Board of Plumbing Examiners.

(b) Certified Waterworks Operators and members of other water related professional groups who have completed a training course, passed an examination administered by the Commission or its designated agent, and hold an endorsement granted by the Commission or its designated agent.

3. It is the responsibility of the customer to obtain the certification. The customer may ask the District's operator to complete sections 1-3 of the certification. The District's operator, at its discretion, may complete sections 1-3 of the certification if it can make such certification in connection with its normal inspections and at no additional cost to the District.

4. The existence of private plumbing facilities in violation of the District's rules is an undesirable plumbing practice. Upon discovery of any such condition, the District may immediately terminate water service to the connection to protect the integrity of its public water system. Service will be restored only when the source of potential contamination no longer exists or when sufficient additional safeguards have been taken.

C. Firelines. The District, from time to time as it deems necessary, may have its designated representative inspect any firelines, which inspection however shall be during the normal business hours of the establishment being inspected.

D. Customer Requests. Whenever a customer asks the District to inspect its lines and facilities and the inspection shows that the customer's problem arises from his private sewer or water lines, and not the District's, the District shall charge the customer the cost of such inspection, and the customer shall promptly remit the charge to the District.

E. Grease and Lint Trap. For each grease and lint trap installed pursuant to the requirements contained in Exhibit "G" attached hereto, there shall be charged the monthly inspection fee specified in Schedule "A" hereto. Whenever the District is required to reinspect a grease and lint trap because the first inspection showed a violation of the District's rules and regulations, the District shall charge the customer the cost of such inspection, and the customer shall promptly remit the charge to the District, in addition to any other penalty or cost which may be assessed against such customer hereunder.

F. Repair Responsibility. The District shall maintain and repair all District facilities, which shall include the manholes, water and sewer main lines, laterals, sewer stacks, and end of line cleanouts. Customers are responsible for all plumbing installed by builders during construction up to and including the saddle and tap connection.

IV. CUSTOMER RATES, DEPOSITS, AND SERVICE AGREEMENTS.

A. Rates for In-District Customers. The District's water and sewer rates as set forth in this Rate Order include the regulatory assessment the District is required to charge each customer and to pay the Texas Commission on Environmental Quality. The rates and charges specified on Schedule "A" hereto for the sale of water and the collection and disposal of sewage shall be in effect for customers located within the District from the effective date of this Order.

Each residential unit occupied by a separate family, including separate apartments located within a single building, and each business unit occupied by a separate business, including separate establishments within a single building, shall be deemed to be a separate connection for the purpose of this Order.

B. Rates for Out of District Customers. The rates and charges for the sale of water and collection and disposal of sewage for customers who are not located within the District's boundaries shall be 150% of the rates for customers located inside the District, as such rates may be amended from time to time.

C. Sprinkler System Connections. Each sprinkler system connection shall be deemed to be a water supply service connection only, and shall not be charged for sanitary sewer service.

D. Deposits. A security deposit shall be collected and maintained on all connections or reconnections in the District made after the effective date of this Order in the amounts specified in Schedule "A".

All deposits collected shall be accounted for on the District's books. At any time that a customer is delinquent in paying its bills for 30 days or more, the District may transfer the deposit or any part thereof to its operating fund to pay such bill. The deposit or balance of such deposit remaining after payment of delinquent bills shall be refunded when the customer moves from the District. If a homeowner who does not have a deposit on account with the District moves to a new home within the District, a new deposit shall be required for such customer in the amount specified in Schedule "A". The District shall not be required to pay interest on any deposit.

E. Returned Check Charge. In the event that a customer's check is returned unpaid by customer's bank for any cause other than negligence on the part of the District, a charge as specified in Schedule "A" shall be added to such customer's bill to cover the District's cost of handling plus all current and delinquent charges. If such customer's account is also more than thirty (30) days delinquent, the account shall be scheduled for termination and notice therefor shall be given as provided herein. In such event, payment for the amount due on such account must be in the form of cashier's check or money order.

F. Adjustment to Extraordinary Bills. In the event of an unusually high water bill, the District may, upon customer request and review of the circumstances resulting in such unusually high water bill, adjust such customer's bill to 50% of the dollar amount above the average monthly bill for the previous six months plus such average monthly bill. In the alternative or in addition to such adjustment, upon written request of a customer to the District's billing office, a customer may be authorized to pay any bill that is at least five times the amount of such customer's previous month's bill in up to six monthly installments. A one percent (1%) penalty per month shall be added to each month's beginning balance less the amount of the current bill during the installment period.

G. Meter Testing Charge. In the event that a customer requests that the accuracy of a meter be tested, the customer will be charged the District's cost for conducting such a test when the meter tests between 95 and 105 percent accurate. The District will be responsible for the cost of conducting such a test when the test results are outside the specified accuracy range of between 95 and 105 percent.

H. Service Agreements with Customers. Prior to receiving permanent water service (upon initial completion of an improvement in the District, upon reinstatement of water service after a turn-off, or upon transfer of water service to a new customer), the customer must execute and deliver to the District's operator a service agreement in the form attached hereto as Exhibit "D".

V. DELINQUENT ACCOUNTS.

The District shall bill each customer monthly and all bills shall become delinquent if not paid by the due date. A late payment charge of 10% of the unpaid balance will be added to all bills outstanding after the due date.

VI. DISCONTINUATION OF SERVICE.

A. Termination for Delinquent Accounts. The District reserves the right to terminate service to any customer whose account is delinquent. In such event, service shall be disconnected only after sending written notice by first class United States mail to the customer at the address of the connection and providing the customer with an opportunity to contest, explain, or correct the charges, services, or disconnection. The written notice shall inform the customer of the amount of the delinquent payment, the date service will be disconnected if payment is not made, the name and telephone number of the billing company, and of the opportunity to contest, explain, or correct the charges, services, or disconnection by presenting in person or in writing such matter to the Board of Directors by contacting the billing company. The notice shall be deposited, postpaid, in a post office or official depository under the care and custody of the United States Postal Service at least ten (10) days prior to the date of the scheduled disconnect date. A written statement by the District's operator that the notice was so mailed and a certificate of mailing by the United States Postal Service shall be prima facie evidence of delivery of same. Service shall be discontinued to any accounts, except those accounts with outstanding balances of less than \$10.00, that remain delinquent after the scheduled disconnect date and for which arrangements for payment satisfactory to the Board of Directors of the District have not been made. If the customer appears before the Board of Directors or in writing, the Board shall hear and consider the matter and inform the customer of the Board's determination by sending written notice by first class United States mail to the customer at the address of the connection.

Prior to termination of service, the District's operator will also place a door hanger notification of termination on the front door to the residence at least two (2) days prior to the date of scheduled disconnection.

B. Termination for Rate Order Violations. Any customer who violates any provision of this Rate Order, in addition to being subject to the penalties described herein, shall be subject to having water and sewer service terminated to prevent an abuse of the District's facilities; provided, however, that prior to disconnecting service for such violation, the District shall give written notice, by first class United States mail or otherwise, to such customer of the pending disconnection and shall give such customer the opportunity to contest, explain, or correct the violation of the Rate Order at a meeting of the Board of Directors of the District.

C. Delinquent Letter Charges. A customer who is sent a notice of delinquency or a door hanger as described in Paragraph VI.A. of this Order shall be charged the amount specified in Schedule "A" hereto for each such notice required, in addition to all other fees and charges provided for in this Order. The fee shall be assessed regardless of whether service is actually terminated to the customer.

D. Charges for Disconnection and Reconnection. In the event of any discontinuation of service either at the request of a customer or because of a customer's delinquency in the payment of bills or violation of this Rate Order, the District shall charge the amounts specified in Schedule "A" hereto. The entire outstanding balance, including the aforementioned fees, must be collected before service is reconnected.

In addition, if such customer does not currently have a security deposit with the District pursuant to Paragraph IV.D. of this Order, a security deposit in the amount specified in Schedule "A" shall be collected before service is reconnected.

E. Charges for Removal and Reinstallation of Water Meter. In the event the District is required to remove a water meter in order to enforce its rules and regulations regarding District facilities, including payment of all amounts due hereunder, the District shall charge the amount specified in Schedule "A" hereto to remove and reinstall such meter.

VII. RULES AND REGULATIONS.

A. Rules and Regulations Governing Waterworks and Sanitary Sewer System. The Board hereby adopts the Rules and Regulations governing Waterworks and Sanitary Sewer System, which are described in Exhibit "E" attached hereto and incorporated herein for all purposes.

B. Rules and Regulations Governing Commercial and Industrial Waste. The Board hereby adopts the Rules and Regulations Governing Commercial and Industrial Wastes, which are described in Exhibit "F" attached hereto and incorporated herein for all purposes.

C. Rules and Regulations Governing Grease and Lint Trap. The District hereby adopts the Rules and Regulations Governing Grease and Lint Trap which are described in Exhibit "G" attached hereto and incorporated herein for all purposes.

D. Penalties. The Board hereby sets the following civil penalties for breach of any rule of the District: Unless the Board determines that there are extenuating circumstances warranting a lesser penalty, the violator shall pay the District twice the costs that the District has sustained due to the violation, up to \$5,000, but in no event will the penalty be less than \$1,000. A penalty under this section is in addition to any other penalty provided by the law of this state and may be enforced by complaints filed in the appropriate court of jurisdiction in the county in which the District's principal office or meeting place is located. If the District prevails in any suit to enforce its rules, it may, in the same action, recover reasonable fees for attorneys, expert witnesses, and other costs incurred by the District before the court. The amount of the attorney's fees shall be fixed by the court. For purposes hereof, each day's violation shall be considered a separate violation.

VIII. REIMBURSEMENT OF NON-SCHEDULED COSTS.

Whenever the District incurs any non-scheduled out-of-pocket cost (including any such cost billed to the District by its operator, attorneys, or engineers) arising out of (1) the failure of a customer to comply with the District's rules and regulations, as stated in this Rate Order or as otherwise announced, or (2) the request of a customer for an inspection or other service call

which is the result of the customer's improper maintenance, or (3) efforts to collect amounts due and owing to the District and not paid to the District on a timely basis, or (4) any other negligent or improper action on the part of the customer, the District may bill the customer, and the customer shall promptly reimburse the District for such cost.

IX. GENERAL POLICIES.

A. Definitions.

1. “*Residential Connection*” shall mean any user of the District's water and sewer system that consists of one residence designed for use and occupancy by a single family unit.

2. “*Commercial Connection*” shall mean any user of the District's water and sewer system that is not a Residential Connection including, but not limited to, commercial establishments, churches, and schools; provided, however, that for purposes of Section IV.A. of this Rate Order, Humble ISD schools shall not be treated as commercial connections.

B. All Services Charged. At no time shall the District render water and/or sewer services without charge to any person, firm, corporation or organization. Service will not begin until the appropriate deposit and fees have been paid by MONEY ORDER OR CASHIERS CHECK.

C. Other Utilities. Prior to installing underground cables in the area of District water supply and sanitary sewer collection lines, representatives of utility companies shall contact the District's operator to file such companies' construction plan and schedule and to review the engineering plans illustrating the location of District lines.

D. Future Adjustments. The District reserves the right to increase rates and fees from time to time when, in the opinion of the Board of Directors, such increases are required to cover the costs of administration, efficient operation, and adequate maintenance of the District's facilities.

E. NO CASH PAYMENTS ACCEPTED. For the safety of the District and its employees, no banking services will be provided at the office. The District will only accept MONEY ORDERS OR CASHIERS CHECKS in the exact amounts due for payment of services, required deposits, and fees.

F. Medical Considerations. In cases of medical conditions as reason for delayed or non-payment of services, the resident must provide from the attending physician, a written statement documenting a bona fide medical condition exists and how such condition led to delayed or non-payment.

G. Payment Plans. Payment plans can be arranged in hardship cases with the approval of the Board. If a plan is approved by the Board, the plan must be followed as per agreed arrangement. If the approved plan is not complied with or interrupted, the plan will be terminated and the resident must then pay the outstanding balance, including all fees, to be

reconnected. No door tags or disconnect fees will be assessed if the resident follows the approved payment plan.

H. Request for Termination of Service. The person who signed for activation of service is the only acceptable person who can terminate. Exceptions are estate executors and others with legal power of attorney for such person.

I. Meter Tampering. In case of meter tampering, which means that someone other than the District Operator, lays their hands on the water meter in order to alter the lawful use of that meter, a tampering fee of \$200 will be assessed, in addition to any other criminal and civil penalties and any other costs associated with returning that meter to its original state. Such fee must be paid before resuming service.

J. Implementation of Order. This Order clarifies the Board's previous order and takes effect immediately. The President and Vice President of the Board of Directors of the District, or either of them, and the Secretary or Assistant Secretary of the Board, or either of them, are authorized to evidence adoption of this Order on behalf of the Board and to do all things proper and necessary to carry out the intent hereof.

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EXHIBIT A

HARRIS COUNTY MUNICIPAL
UTILITY DISTRICT NO. 109

Mail to: _____

APPLICATION FOR SANITARY SEWER SERVICE

(Please print or type)

MAKE CHECK PAYABLE TO: Harris County Municipal Utility District No. 109

(Name of Applicant) (Lot) (Block) (Section)

(Sewer Service Address) (Phone) (City) (State) (Zip)

Date: _____ Requested by: _____
(Signature)

Date Applicant requests service initiated: _____

Address to which Bills are to be mailed: _____

MAIL REFUND TO: _____
(Name) (Address)

Applicant must attach sketch of building layout and proposed location of water service line.

FOR DISTRICT USE ONLY

Date Application Received: _____

Date Construction Authorized: _____

Connection Information:

WYE Location _____

Stack Location _____

Manhole Location _____

Date Sanitary Sewer Tap Made: _____

Date of Inspection: 1st _____ 2nd _____ 3rd _____

Date Permit Granted: _____

Certified as properly made by _____
(District Operator)

EXHIBIT B

Sample Backflow Prevention Assembly Test and Maintenance Report

The following form must be completed for each assembly tested. A signed and dated original must be submitted to the District for recordkeeping purposes:

BACKFLOW PREVENTION ASSEMBLY TEST AND MAINTENANCE REPORT

Name of PWS: _____
 PWS I.D. #: _____
 Location of Service: _____

The backflow prevention assembly detailed below has been tested and maintained as required by Commission regulations and is certified to be operating within acceptable parameters.

TYPE OF ASSEMBLY

☐ Reduced Pressure Principle
☐ Double Check Valve

☐ Pressure Vacuum Breaker
☐ Atmosphere Vacuum Breaker

Manufacturer _____
 Model Number _____
 Serial Number _____

Size _____
 Located at _____

	Reduced Pressure Principle Assembly			Pressure Vacuum Breaker	
	Double Check Valve Assembly		Relief Valve	Air Inlet	Check Valve
	1st Check	2nd Check		Opened at _____ psid	_____ psid
Initial Test	DC-Closed Tight ☐ RP _____ psid Leaked ☐	Closed Tight ☐ Leaked ☐	Opened at _____ psid	Did not Open ☐	Leaked ☐
Repairs and Materials Used					
Test After Repair	DC-Closed Tight ☐ RP _____ psid	Closed Tight ☐	Opened at _____ psid	Opened at _____ psid	_____ psid

The above is certified to be true.

Firm Name: _____
 Firm Address: _____

Certified Tester: _____
 Cert. Tester No.: _____
 Date: _____
 Test Gauge Serial No.: _____

Sample Service Inspection Certification

Name of PWS: _____
 PWS I.D. #: _____
 Location of Service: _____

I _____, upon inspection of the private plumbing facilities connected to the
 aforementioned public water supply do hereby certify that, to the best of my knowledge:

	Compliance	Non- Compliance	Certificate of Compliance on File
(1) No direct connection between the public drinking water supply and a potential source of contamination exists. Potential sources of contamination are isolated from the public water system by an air gap or an appropriate backflow prevention assembly in accordance with state plumbing regulations. Additionally, all pressure relief valves and thermal expansion devices are in compliance with state plumbing codes.	☐	☐	☐
(2) No cross-connection between the public drinking water supply and a private water system exists. Where an actual air gap is not maintained between the public water supply and a private water supply, an approved reduced pressure-zone backflow prevention assembly is properly installed and a service agreement exists for annual inspection and testing by a certified backflow prevention device tester.	☐	☐	☐
(3) No connection exists which would allow the return of water used for condensing, cooling or industrial processes back to the public water supply.	☐	☐	☐
(4) No pipe or pipe fitting which contains more than 8.0% lead exists in private plumbing facilities installed on or after July 1, 1988.	☐	☐	☐
(5) No solder or flux which contains more than 0.2% lead exists in private plumbing facilities installed on or after July 1, 1988.	☐	☐	☐

Water service shall not be provided or restored to the private plumbing facilities until the above conditions are determined to be in compliance.

I further certify that the following materials were used in the installation of the plumbing facilities:

Service Lines	Lead	☐	Copper	☐	PVC	☐	Other	☐
Solder	Lead	☐	Lead Free	☐	Solvent Weld	☐	Other	☐

I recognize that this document shall become a permanent record of the aforementioned Public Water System and that I am legally responsible for the validity of the information I have provided.

 Signature of Inspector

 Registration Number

 Title

 Type of Registration

 Date

Sample Service Agreement

- I. **Purpose.** The Name of Water System is responsible for protecting the drinking water supply from contamination or pollution which could result from improper plumbing practices. The purpose of this service agreement is to notify each customer of the plumbing restrictions which are in place to provide this protection. The utility enforces these restrictions to ensure the public health and welfare. Each customer must sign this agreement before the Name of Water System will begin service. In addition, when service to an existing connection has been suspended or terminated, the water system will not re-establish service unless it has a signed copy of this agreement.
- II. **PLUMBING RESTRICTIONS.** The following undesirable plumbing practices are prohibited by State regulations.
- A. No direct connection between the public drinking water supply and a potential source of contamination is permitted. Potential sources of contamination shall be isolated from the public water system by an air-gap or an appropriate backflow prevention device.
 - B. No cross-connection between the public drinking water supply and a private water system is permitted. These potential threats to the public drinking water supply shall be eliminated at the service connection by the installation of an air-gap or a reduced pressure-zone backflow prevention device.
 - C. No connection which allows water to be returned to the public drinking water supply is permitted.
 - D. No pipe or pipe fitting which contains more than 8.0% lead may be used for the installation or repair of plumbing at any connection which provides water for human use.
 - E. No solder or flux which contains more than 0.2% lead can be used for the installation or repair of plumbing at any connection which provides water for human use.
- III. **SERVICE AGREEMENT.** The following are the terms of the service agreement between the Name of Water System (the "Water System") and Name of Customer (the "Customer").
- A. The Water System will maintain a copy of this agreement as long as the Customer and/or the premises is connected to the Water System.

- B. The Customer shall allow his property to be inspected for possible cross-connections and other undesirable plumbing practices. These inspections shall be conducted by the Water System or its designated agent prior to initiating new water service; when there is reason to believe that cross-connections or other unacceptable plumbing practices exist; or after any major changes to the private plumbing facilities. The inspections shall be conducted during the Water System's normal business hours.
- C. The Water System shall notify the Customer in writing of any cross-connection or other undesirable plumbing practice which has been identified during the initial inspection or the periodic reinspection.
- D. The Customer shall immediately correct any undesirable plumbing practice on his premises.
- E. The Customer shall, at his expense, properly install, test, and maintain any backflow prevention device required by the Water System. Copies of all testing and maintenance records shall be provided to the Water System.

IV. **ENFORCEMENT.** If the Customer fails to comply with the terms of the Service Agreement, the Water System shall, at its option, either terminate service or properly install, test, and maintain an appropriate backflow prevention device at the service connection. Any expenses associated with the enforcement of this agreement shall be billed to the Customer.

Customer's Signature: _____ Date: _____

Address: _____

HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 109
RULES AND REGULATIONS GOVERNING
WATERWORKS AND SANITARY SEWER SYSTEM

The following Rules and Regulations (the “Rules and Regulations”) shall govern the installation of connections or taps to the District’s waterworks and sanitary sewer system, the limitations on flow of waste into the sanitary sewer system, protection of all facilities which are part of the District’s waterworks and sanitary sewer system, and prohibited plumbing practices:

I. INSTALLATION OF CONNECTIONS TO DISTRICT’S WATERWORKS SYSTEM

A. Water Service Lines and Water Taps

1. A “Water Service Line” is defined herein as the water line from the property line of the property to be served with water to the District’s waterworks system.
2. A “Residential Water Tap” is defined herein as the connection of either of the follow to a District water line: (a) a 1” Water Service Line to serve two (2) single-family residences, which is known as a “Double Tap”; or (b) a 3/4” Water Service Line to serve one (1) single-family residence, which is known as a “Single Tap.” All Residential Water will be installed by the standard City of Houston “long” or short” residential water service line connection, including a 3/4” x 5/8” meter and box complete in place.
3. A “Commercial Water Tap” is defined herein as the connection of a 3/4” or larger Water Service Line to a District water line to serve one (1) or more structures other than a single-family residence.

B. Water Tap Materials — Only the following types of pipe and fitting materials shall be approved for the installation of Water Taps, including Residential Water Taps and Commercial Water Taps:

1. Rockwell meters/Commercial turbo meters or other meters approved by the District’s engineer
2. Brass curb stops, corp stops, and U-branch and related fittings manufactured by Ford, Hays or Muller
3. Polyethylene water service pipe, 3/4” to 2”
4. Cast iron or vinyl iron (C-900) water service pipe, larger than 2”

5. Water main pipe of the type originally installed
6. Plastic meter box up to 2" meter
7. Concrete meter box up to 2" meter
8. Concrete meter box, where traffic use is specified
9. Concrete meter vault per City of Houston Specifications for 3" and larger meter.

II. INSTALLATION OF CONNECTIONS TO DISTRICT'S SANITARY SEWER SYSTEM

A. Sewer Service Lines and Sewer Taps

1. A "Sewer Service Line" is defined herein as the sewer line from the foundation of a building, including houses and commercial structures, to the District's sanitary sewer system.
2. A "Sewer Tap" is defined herein as the physical connection of a Sewer Service Line to the District's sanitary sewer system. Without the written consent of the District's Board of Directors, only one Sewer Tap shall be permitted for each building.
3. The following types of pipe and fitting materials shall be approved for the construction of Sewer Service Lines. Pipe and fittings in each individual Sewer Service Line must consist of the following material or other material approved by the District's engineer:
 - a. Vitrified clay pipe conforming to ASTM Specification C700 with joint coupling conforming to ASTM Specifications C425 or C594 and installed according to ASTM C12.
 - b. Cast iron soil pipe, standard wright, conforming to ASTM Specification A74 with rubber gasket joint coupling conforming to ASTM Specification C564.
 - c. Poly-vinyl-chloride ("PVC") pipe conforming to ASTM Specification D3034 or ASTM Specification F789 (with UL Listing) and installed according to ASTM D2321.
 - d. Ductile-iron Pipe conforming to ANSI A21.51 with rubber gasket joints conforming to ANSI A21.11, and installed according to manufacturer's recommendations.
4. The minimum sizes of Sewer Service Lines shall be as follows:

Residential - 4-inches in diameter
Commercial - 6-inches in diameter

A 4-inch sewer service line shall serve no more than one single family residential lot and a 6-inch sewer service line shall serve no more than two single family residential lots.

5. The minimum grades for Sewer Service Lines shall be as follows:
 - a. 4-inch pipe - one-foot drop per hundred feet (1%)
 - b. 6-inch pipe - 0.70 foot drop per hundred feet (0.70%)
 - c. 8-inch pipe - 0.70 foot drop per hundred feet (0.70%)
6. The maximum grades for Sewer Service Lines shall be as follows:
 - a. 4-inch pipe - two and one-half feet drop per hundred feet (2.5%)
 - b. 6-inch pipe - one and one-half feet drop per hundred feet (1.5%)
 - c. 8-inch pipe - one foot drop per hundred feet (1%)
7. All Sewer Service lines shall be constructed to true alignment and grade. Warped and sagging Sewer Service Lines will not be permitted.

B. Connections of Building Sewer Outlets to Service Lines

1. On all building waste outlets, the building tie-on connections shall be made directly to the stub-out from the building plumbing at the foundation.
2. Water-tight adapters of a type compatible with the materials being joined shall be used at the point of connection of a Sewer Service Line to the building plumbing. No cement grout materials shall be permitted.
3. Unless an exception is permitted by the District's Operator, existing "wye" and stack connections must be utilized for connection of a Sewer Service Line to the District's sanitary sewer system.

C. Fittings and Cleanouts

1. No bends or turns at any point will be greater than 45 degrees.

2. Each horizontal Sewer Service Line will be provided with a cleanout at its upper terminal, and each such run of piping which is more than 90 feet in length will be provided with a cleanout for each 90 feet, or fraction thereof, in the length of such piping.
3. Each cleanout will be installed so that it opens in a direction opposite to the flow of the waste and, except in the case of “wye” branch and end-of-the-line cleanouts, cleanouts will be installed vertically above the flow line of the pipe.
4. Cleanout will be fitted with an airtight mechanical plug.

III. INSTALLATION AND REPAIR OF WATER TAPS

- A. An “Application for Water Tap” must be filed with the District’s operator prior to the installation of a Water Tap. All tap and inspection fees and deposits, as described in the Rate Order should accompany such Application.
- B. Water Taps to the District’s waterworks system shall be installed only by the District’s Operator.
- C. The District’s Operator shall install Water Taps and set meters at a location on adjoining property lines, whenever possible, and as designated by the District’s Operator, with the meter box being located in the easement adjacent to the property line and with two (2) meters per box, where necessary.
- D. The District’s Operator shall be responsible for all repairs to the maintenance of all Water Taps, pursuant to the terms and provisions of the Contract between the District and the District’s Operator.

IV. INSTALLATION OF SEWER TAPS AND PERMITS

- A. Application for Sanitary Sewer Service. An “Application for Sanitary Sewer Service,” must be filed with the District’s Operator prior to construction of a Sewer Service Line. All inspection fees and deposits, as described in the Rate Order, should accompany such application. Construction of any Sewer Service Line must not begin until authorized by the District’s Operator.
- B. Sewer Service Line
 1. When a Sewer Service Line and Tap is complete, and prior to backfilling such Sewer Service Line trench, the applicant for sewer service shall request an inspection of the installation of the Sewer Service Line and Tap. Requests for Sewer inspections shall be

made to the District's Operator at least 24 hours in advance of the connections and inspections.

2. The Sewer Tap shall be made only by use of an adapter of a type compatible with materials being joined. The Sewer Tap shall be water-tight. No cement grout materials shall be permitted.
3. Backfilling of a Sewer Service Line trench must be accomplished within 24 hours of inspection and approval by the District's Operator. No debris shall be permitted in a Sewer Service Line trench.
4. After the Sewer Tap is made and the inspection performed, the District's Operator shall issue a Sewer Tap Permit to the applicant, confirming that all requirements of these Rules and Regulations have been met.

V. FEES AND CHARGES

The District's fees and charges shall be established by its Order Amending Consolidated Rate Order, and all amendments thereto.

VI. LIMITATIONS ON FLOW OF WASTE

- A. No waste material which is not biologically degradable will be permitted to be discharged into the District's sanitary sewer system, including mud and debris accumulated during Sewer Service Line installation.
- B. No downspouts, yard or street drains or gutters will be permitted to be connected into the District's sanitary sewer facilities.
- C. Swimming pool connections will not be made to the District's sanitary sewer system.

VII. PROTECTION OF DISTRICT'S WATERWORKS AND SANITARY SEWER SYSTEM.

- A. It shall be unlawful for any person, unless authorized in writing by the District's Operator, to tamper or interfere with, obstruct access to, or injure, deface, or destroy any facilities that are a part of the District's waterworks and sanitary sewer system, including, with respect to the waterworks system, water plants, flushing valves, valve boxes, and water lines up to the meter box and including meters; provided, however, that duly authorized members of the Atascocita Volunteer Fire Department shall have the right to use such flushing valve for fire protection purposes.
- B. It shall be unlawful for any person to connect any building to the waterworks system without a meter or to have a straight line connection to

a building without being metered. It shall also be unlawful to draw water from the waterworks system without being metered, including the unauthorized use of a flushing valve or unmetered water taps.

- C. It shall be unlawful for any person to deposit, throw, drain, discharge, or otherwise cause to be injected into any sewer, manhole, catch basin, flush tank, or other facility that is a part of the District's waterworks and sewer system any debris or foreign substance that would interfere with the proper and routine functioning thereof. Each such discharge shall constitute a separate violation, and in the event a discharge is continuous, each day such discharge continues shall constitute a separate violation.

VIII. PROHIBITION ON USE OF LEAD

- A. The use of pipes and pipe fittings that contain more than 8.0 percent lead or solders and flux that contain more than 0.2 percent lead is prohibited for installation or repair of the District's water system and for installation or repair of any plumbing in a residential or nonresidential facility providing water for human consumption and connected to the District's water system.
- B. This requirement may be waived for lead joints that are necessary for repairs to cast iron pipe.

IX. PROHIBITION ON DIRECT OR CROSS CONNECTIONS

- A. No establishment in the District shall contain an actual or potential contamination or system hazard without an air gap separation between the drinking water supply and the source of potential contamination. Where the containment air gap is impractical, reliance may be placed on individual "internal" air gaps or mechanical backflow prevention devices. Under these conditions, additional protection shall be required at the meter in the form of a correctly operating backflow prevention device (in accordance with AWWA Standards C510 and C511, and AWWA Manual M14) on those establishments handling substances deleterious or hazardous to the public health. Such backflow prevention devices must be tested and repaired as necessary, as specified in the Order.
- B. Water from a condensing, cooling or industrial process or any other system of nonpotable usage over which the District does not have sanitary control cannot be returned to the District's potable water supply.
- C. Overhead bulk water dispensing stations must be provided with an air gap between the filling outlet hose and the receiving tank to protect against back siphonage and cross-contamination.

REGULATIONS OF COMMERCIAL AND INDUSTRIAL WASTES

The Board of Directors of the District hereby establishes and promulgates the following policies, rules and regulations concerning domestic and industrial wastes:

I. Definitions. Unless the context requires otherwise, the terms and phrases used herein shall have meanings as follows:

(1) The term “B.O.D.” means the five-day, 20 degree Centigrade biochemical oxygen demand expressed in milligrams per liter as determined by the procedures specified in the latest edition of Standard Methods, or such other manual of operations as the District may adopt from time to time, or as determined in accordance with the latest rules of the Texas Commission on Environmental Quality.

(2) The term “C.O.D.” means the measure of the oxygen-consuming capacity of inorganic and organic matter present in water or waste, expressed in milligrams per liter as the amount of oxygen consumed from a chemical oxidant as determined by Standard Methods, or such other manual of operations as the District may adopt from time to time, or as determined in accordance with the latest rules of the Texas Commission on Environmental Quality.

(3) The term “customer” means any person who is served by the Waste Disposal System.

(4) The term “discharge” includes the terms deposit, conduct, drain, emit, throw, run, seep or otherwise release or dispose of, or to allow, permit, or suffer any of such acts or omissions.

(5) The term “grease” means fats, waxes, oils and other similar non-volatile material and waste which are extracted by hexane from a solidified sample using the Soxhlet method.

(6) The term “industrial waste” means the liquid and water-carried waste resulting from any process of industry, manufacturing, trade, business or commercial enterprise, other than normal domestic wastewater, including any mixture of industrial waste with water or normal domestic wastewater, and such other waste as the District deems appropriate.

(7) The term “industrial waste charge” means the charge made to those persons who discharge or are responsible for the discharge of industrial waste into the Waste Disposal System.

(8) The term “infiltration water” means water which leaks into the District’s Waste Disposal System or its customers’ sanitary sewer collection systems.

(9) The term “normal domestic wastewater” means waste, excluding industrial waste, discharged by a person into the Waste Disposal System or into a customer’s sanitary sewer collection system in which the average concentration of total suspended solids is not more than 250 mg/kg and B.O.D. is not more than 250 mg/kg.

(10) The term “overload” means the imposition of organic or hydraulic loading on the Waste Disposal System in excess of either its designed hydraulic capacity, its installed rated capacity or its organic loading capacity.

(11) The term “person” means any individual, public or private corporation, district, authority, political subdivision or other agency or entity of the State of Texas or of the United States of America; the State of Texas or the United States of America; any incorporated city, town or village, whether operating under general law or under its home rule charter; and any copartnership, association, firm, trust, estate or any other entity whatsoever.

(12) The term “pH” means the common logarithm of the reciprocal of the hydrogen ion concentration expressed in grams per liter of solution.

(13) The term “properly shredded garbage” means solid waste from the preparation, cooking and dispensing of food and from the handling, storage and sale of produce that has been shredded to such a degree that all particles will be carried freely under the flow conditions normally prevailing in public sanitary sewers, with no particle greater than one-half (1/2) inch in any dimension.

(14) The term “sanitary sewer collection system” means the sanitary sewer system(s) now owned or operated or to be constructed or acquired by customers of the District, including sanitary sewers (but excluding storm sewers), manholes, intercepting sewers, pumping works and all other plants, works and equipment for the collection and transportation of waste to the District’s Waste Disposal System.

(15) The term “slug” means any discharge of waste which, in the concentration of any given constituent or in the quantity of flow, exceeds for any period of duration longer than fifteen (15) minutes more than five (5) times the average twenty-four (24) hour concentration or flow during normal operation.

(16) The term “Standard Methods” means the examination and analytical procedures set forth in the latest edition of “Standard Methods for the Examination of Water and Wastewater” as prepared, approved and published jointly by the American Public Health Association, the American Waterworks Association and the Water Pollution Control Federation.

(17) The term “storm sewer” means sewers which carry storm and surface waters and drainage, and into which waste is not intentionally discharged.

(18) The term “total suspended solids” means those solids that either float on the surface or are in suspension in waste or other liquids, expressed in terms of milligrams per liter.

(19) The term “trap” means a device designed to skim, settle or otherwise remove grease, oil, sand, flammable wastes or other substances which may be harmful to either the Waste Disposal System or its treatment processes.

(20) The term “waste” means normal domestic wastewater and industrial waste collected by a public sanitary sewer collection system, together with such infiltration water as may be present.

(21) The term “Waste Disposal System” means all or any part of any disposal system or disposal facilities constructed or acquired by the District for receiving, transporting, treating and disposing of waste collected by the sanitary sewer collection systems of the District’s customers, together with such extensions, enlargements and modifications as may be required in the future or as may be necessary to comply with any regulatory requirements.

(22) The term “wastewater service charge” means the charge to all users of the District’s Waste Disposal System whose wastes do not exceed the concentrations established herein as representative of normal domestic wastewater.

II. Prohibited Discharges. All waste discharged into the District’s Waste Disposal System shall conform to the requirements hereof and shall consist only of waste amenable to biological treatment or other processes employed by the District from time to time. No person may discharge into the District’s Waste Disposal System any waste which by itself or by interaction with other waste may:

- (1) Injure or interfere with the processes or physical properties or facilities of the District’s Waste Disposal System;
- (2) Constitute a hazard to humans or animals; or
- (3) Create a hazard in receiving waters of the effluent of the Waste Disposal System.

Discharges prohibited by the foregoing parameters include, but are not limited to, slugs and materials which exert or cause: excessive discoloration or concentrations of suspended solids, B.O.D., C.O.D. or chlorine demands in excess of the ability of the Waste Disposal System to adequately treat and dispose of such waste in compliance with applicable regulatory requirements. Prohibited discharges also include, but are not limited to, the following materials which, if present in sufficient quantities, may cause or result in a violation of the foregoing parameters: ashes, cinders, sand, mud, grass clippings, straw, shavings, metal, glass, rags, feathers, tar, plastic, wood or wood products, garbage (other than properly shredded garbage), blood, entrails, hair, flesh, paper or paper products, chemical or paint residues, or bulk solids.

III. Chemical Discharges. The following chemicals shall not be admissible into the District’s Waste Disposal System:

(1) Cyanides or cyanogen compounds capable of liberating hydrocyanic gas upon acidification when present in concentrations in excess of 2 mg/kg by weight as cyanide (CN);

(2) Fluorides other than those contained in the local public water supply for the area which is the source of the discharge;

(3) Gasoline, cleaning solvents, benzene, naphtha, fuel oil or other flammable or explosive liquids, solids or gases;

(4) Substances causing C.O.D. overload;

(5) Acids or alkalis having pH values lower than 6.0 or higher than 10.0, iron pickling wastes or concentrated plating solutions whether neutralized or not;

(6) Grease, whether emulsified or not, containing substances which may solidify or become viscous at temperatures between 32 degrees and 150 degrees Fahrenheit (0 and 65 degrees Centigrade) or which exceeds on analysis an average of 100 mg/kg of soluble matter;

(7) Dissolved sulfides whose concentrations exceed 0.1 mg/kg; or

(8) Any other corrosive, explosive, malodorous or objectionable chemicals in liquid, solid or gaseous form.

IV. Heavy Metals and Toxic Matter. The following metals and toxic materials shall not be admissible into the District's Waste Disposal System:

(1) Objectionable or toxic substances exerting an excessive chlorine requirement to such a degree that any such material received in the composite waste at the waste treatment works exceeds the limits established from time to time by the District for such materials;

(2) Obnoxious, toxic or poisonous solids, liquids, or gases in quantities sufficient to violate the provisions of Part II hereof;

(3) Any substance having corrosive properties capable of causing damage or hazard to structures, equipment or personnel operating the Waste Disposal System;

(4) All waste or other substances containing phenols, hydrogen sulfide or other taste or odor producing substances exceeding the concentration limits established from time to time by the District or which, after treatment of the composite waste, exceeds applicable regulatory requirements;

(5) Antimony, beryllium, bismuth, cobalt, molybdenum, tin, uranyl ion, rhenium, strontium, tellurium, and such other heavy metals as may be prohibited from time to time by the District;

(6) The following heavy metals or the salts thereof in solution or suspension which upon analysis by Standard Methods exceed the concentrations listed below:

<u>Element</u>	<u>mg/kg</u>	<u>Element</u>	<u>mg/kg</u>
Arsenic	0.05	Lead	0.1
Barium	5.0	Manganese	1.0
Boron	1.0	Mercury	0.005
Cadmium	0.02	Nickel	1.0
Chromium	5.0	Selenium	0.02
Copper	1.0	Silver	0.1
Zinc	5.0		

or

(7) Any other heavy metals or toxic materials except upon the conditions of pretreatment, concentration, volumes and other applicable standards prescribed by the District or by applicable statutes, laws, rules or regulations.

V. Garbage. No person may discharge garbage into the Waste Disposal System unless it is properly shredded garbage. The District may review and approve the installation and operation of any garbage grinder equipped with a motor of three-fourths (3/4) horsepower (0.76 H.P. metric) or greater.

VI. Drainage and Storm Water. No person may discharge into the Waste Disposal System drainage or storm waters.

VII. Temperature. No person may discharge into the Waste Disposal System liquid or vapors having a temperature higher than 150 degrees Fahrenheit (66 degrees Centigrade), or any substance which causes the temperature of the composite waste received in the treatment works influent to increase at the rate of 10 degrees Fahrenheit or more per hour or to exceed an influent temperature of 110 degrees Fahrenheit.

VIII. Radioactive Waste. No person may discharge into the Waste Disposal System radioactive materials or isotopes with a transient concentration higher than 100 microcuries per liter.

IX. Supervision. If the District or its designated representative determines that a discharge or a proposed discharge into the Waste Disposal System may deleteriously affect the Waste Disposal System or receiving waters, or create a hazard to life or health, or create a public nuisance, it may require:

(1) Pretreatment to an acceptable condition for discharge into the Waste Disposal System;

(2) Control over the quantities and rates of discharge; and

(3) Waste surcharge payments sufficient to compensate the District for the cost of handling and treating the waste.

If pretreatment or control is required by the District, it shall review and approve the design and installation of the equipment and processes in conformity with all applicable laws and regulatory requirements. Any person responsible for discharges requiring such pretreatment or control facilities shall provide and maintain such facilities in effective operating condition. Waste surcharge payments shall be determined by the District on an as needed basis.

X. Traps. Discharges requiring a trap include, but are not limited to, grease, oil, sand or flammable waste. Any person responsible for a discharge requiring a trap shall, as required by the District, provide equipment and facilities of a type and capacity approved by the District, locate the trap in a manner that provides ready and easy access for cleaning and inspection, and maintain the trap in effective operating condition.

XI. Industrial Waste Charges. In addition to the wastewater service charges made by the District, the District shall make to customers discharging industrial waste into their sanitary sewer collection systems or into the Waste Disposal System the industrial waste charges provided for herein. If the District determines that the volume or the character of industrial waste to be treated by the District's Waste Disposal System will not cause overloading of the Waste Disposal System, the person responsible for the discharge of industrial waste shall nevertheless pay equitable industrial waste charges sufficient to provide payment for the amortization of all capital expenses for the collection and treatment of industrial waste (including new capital expenses and a proportionate share of the value of the existing Waste Disposal System used in handling and treating the industrial waste, but taking into account amortization costs resulting from annual tax payments) and operation and maintenance costs including salaries and wages, power cost, cost of chemicals and supplies, allowances for maintenance, depreciation, overhead and administrative and general expense. For such purposes, amortization shall be considered to be completed in a thirty-year period. Industrial waste charges shall be calculated by the following formula:

$$X = aA + bB + cC$$

Where X = charges to industrial user, \$/yr.

a = unit cost of transportation and treatment chargeable to volume, \$/1000 gal.

b = unit cost of treatment chargeable to B.O.D., \$/lb.

c = unit cost of treatment chargeable to suspended solids (including sludge), \$/lb.

A = volume of waste from industrial user, 1000 gal./yr.

B = amount of B.O.D. from industrial user, lbs./yr.

C = amount of suspended solids from industrial user, lbs./yr.

The initial coefficients of charge for use in the foregoing formula shall be determined at such time as the District determines that the volume or characteristics of industrial waste discharged into the District's Waste Disposal System necessitates additional treatment. Thereafter, the District shall review and, if appropriate, adjust the industrial waste charges at least annually to reflect changes in the characteristics of the industrial waste based upon the results of sampling and testing. The District shall also review at least annually the basis for determining industrial waste charges and shall adjust the unit treatment costs in the above formula to reflect increases or decreases in the waste treatment costs based upon the previous year's experience. Increases in industrial waste charges shall be retroactive for two billing periods and shall continue for six (6) billing periods unless subsequent tests determine that the charges should be further increased. The District shall bill its customers in a manner which will show industrial waste charges as a separate item from wastewater service charges.

XII. Disconnection of Service. In the event a customer of the District's Waste Disposal System fails to make timely payment of the District's wastewater service charges or industrial waste charges, or in the event waste is discharged into the District's Waste Disposal System in violation of the provisions hereof, the District reserves the right to disconnect the customer from the Waste Disposal System and to continue disconnection until such time as payment has been made or adequate assurances or pretreatment or control facilities have been installed to permit compliance with the provisions hereof.

XIII. Sampling; Testing; Inspection; Right of Entry. The District or its duly authorized agent or representative may enter at reasonable times and upon proper notice any lands or premises served or proposed to be served by the Waste Disposal System for the purposes of carrying out and determining compliance with the provisions hereof. Sampling and testing shall be conducted in accordance with customarily accepted methods, reflecting the effects of constituent wastes upon the Waste Disposal System and the existence of hazards to health, life, limb, or property. Examination and analysis of the characteristics of water and waste shall be conducted in accordance with Standard Methods (or such other manual of operations as the District may adopt from time to time, or as determined in accordance with the latest rules of the Texas Commission on Environmental Quality) and shall be determined from suitable samples taken at control points selected by the District. The cost of the District's sampling and testing shall be charged to the customer.

XIV. Effect of Regulations; Amendment. The provisions hereof are to be deemed and construed as regulatory requirements supplementary and in addition to all laws, rules, regulations, ordinances or licenses now in effect or hereafter passed, adopted or promulgated by any regulatory agency, federal, state or local, having jurisdiction over the District's Waste Disposal System including, without limitation, the Federal Water Pollution Control Act Amendments of 1972, the Texas Water Quality Act, the rules and regulations of the Environmental Protection Agency concerning effluent limitations, guidelines and pretreatment standards for meat products point sources, as published in 38 Federal Register 29858, et seq., on October 29, 1973, and the rules and regulations of the Environmental Protection Agency concerning industrial waste discharges into municipal systems, as published in 38 Federal Register 30982, et seq., on November 8, 1973. The provisions hereof are subject to amendment, repeal or alteration from time to time by the Board of Directors of the District.

XV. ENFORCEMENT OF THESE RULES AND REGULATIONS AND PENALTIES

A. Enforcement

- (1) Pursuant to Section 54.206, Texas Water Code, the Rules and Regulations shall be recognized by the courts of the State of Texas as if they were penal ordinances of a city.
- (2) Pursuant to Section 54.209, Texas Water Code, enforcement of the Rules and Regulations shall be by complaints filed in the appropriate court of jurisdiction in the county in which the District's principal office is located.

B. Penalties

- (1) Water and sanitary sewer service shall not be provided by the District until the requirements with respect to Water Taps and Sewer Taps and inspections have been met and, with respect to Sewer Taps, a written permit or permits have been granted.
- (2) Breach of the Rules and Regulations shall result in the payment of a fine to the District by the offending party in the amount of \$200 per violation and payment to the District of any costs incurred by the District in connection with any repairs or corrections necessitated by any such breach.

RULES AND REGULATIONS GOVERNING
GREASE AND LINT TRAPS IN FOOD HANDLING
ESTABLISHMENTS, PUBLIC CAR WASHES,
AUTOMOTIVE SERVICING AND/OR REPAIR ESTABLISHMENTS,
PUBLIC WASHATERIAS AND HAIR CUTTING SHOPS

Section 1. "Establishment" means any business within the District which shall process, prepare or serve food and which processing, preparing or serving results in a discharge of water into the sewer system of the District during any part of such operation or service, and shall also mean public car washes, automotive servicing and/or repair establishments, public washaterias and hair cutting shops which discharge water into the sewer system of the District during any of said operations.

Section 2. Each Establishment shall be required to have a grease and/or lint trap ("Trap") which fulfill the requirements of these Rules and Regulations and which shall be in compliance with requirements as established by the City of Houston ("CofH"). Specifications and requirements for such Trap shall be as follows:

- A. Each small food Establishment with no fixed seating, including, but not limited to sandwich or coffee shops, donut shops, small bakeries and pastry shops and other small Establishments processing, preparing, or serving food, either individually, bulk or carry out, shall have a Trap constructed pursuant to specifications as set out in CofH Drawing No. 533-S.
- B. Each food Establishment where food is served to customers on premises and where the occupant load is less than 100 occupants, shall have a Trap constructed pursuant to specifications as set out in CofH Drawing No. 534-S.
- C. Each food Establishment where food is served to customers on premises and where the occupant load is more than 100 and less than 300 occupants, shall have a Trap constructed pursuant to specifications as set out in CofH Drawing No. 531-S.
- D. Each food Establishment where food is served to customers on premises and where the occupant load is more than 300 occupants, shall have a Trap designed by a registered professional engineer and submitted to the Engineer for the District for his approval.
- E. Each public car wash and automobile servicing and/or repair establishment of six (6) bays or less shall have a Trap constructed pursuant to specifications as set out in CofH Drawing No. 359-S-1.
- F. Each public car wash and automobile servicing and/or repair establishment of more than six (6) bays shall have a Trap designed by a registered professional engineer and submitted to the Engineer for the District for his approval.

- G. Each public washateria shall have a Trap constructed pursuant to the applicable drawing attached hereto. The drawing and therefore the specifications which are applicable shall be determined by the size of the washateria as follows:
 - (1) For washaterias having 10 or less machines, see CofH Drawing 533-S.
 - (2) For washaterias having 11 to 20 machines, see CofH Drawing 534-S.
 - (3) For washaterias having more than 20 machines, see CofH Drawing 531-S.
- H. Each hair cutting shop shall have a Trap constructed pursuant to specifications as set out in CofH Drawing 533-S.
- I. Any Commercial type laundry shall have a Trap designed by a registered professional engineer and submitted to the Engineer for the District for his approval.

Section 3. Each Establishment shall clean traps periodically as necessary to maintain and be in compliance with standards as set out herein and in any event shall clean such trap not less than once each week if such Trap is designated pursuant to CofH Drawing 534-S or 539-S-1, and not less than once each month if such Trap is designated pursuant to CofH Drawing 533-S or 531-S.

Section 4. Each Establishment subject to the conditions hereof shall:

- A. Maintain a sampling well with easy access for inspectors. The sampling well to be installed per applicable CofH Drawing No. 516-S or 516-S-1.
- B. Maintain records on premises of all gallonage removed from the Trap.
- C. Maintain records on premises of all trip tickets in connection with disposal from the trap.
- D. Make available the records required in Section 4B and C above, to inspectors for the District when requested and as authorized hereinbelow.

Section 5. The District, from time to time as it deems necessary, may have its designated representative inspect any Trap subject hereto, which inspection however shall be during the normal business hours of the Establishment being inspected. During such inspection, the representative shall have the right to inspect the sampling well and take samples therefrom and to inspect all records maintained in connection with the Trap as required herein. The cost of each such inspection shall be charged to the Establishment.

Section 6. No Establishment subject to these Rules and Regulations shall allow a discharge into the sewer system, when such discharge shall consist of more than two hundred (200) milliliters of grease or oil per one (1) liter of discharged water.

SCHEDULE A

RATES FOR RESIDENTIAL CUSTOMERS

Monthly Water Service Rates (per meter per month)

<u>Gallons</u>	<u>Amount</u>
Minimum 10,000 gallons	\$10.00
10,001 gallons to 20,000 gallons	\$1.25 per 1,000 gallons;
20,001 gallons to 30,000 gallons	\$1.50 per 1,000 gallons;
30,001 gallons to 40,000 gallons	\$1.80 per 1,000 gallons; and
40,001 gallons and above	\$2.50 per 1,000 gallons

Effective July 1, 2014, the District will add a surcharge to the monthly water service rate equal to the groundwater pumpage fee that is charged by the North Harris County Regional Water Authority (the “Authority”), as revised yearly, less \$0.25 per 1,000 gallons of water used. This fee will be a separate line item on the District’s water bills, and will adjust at the same time the fee charged by the Authority changes.

Monthly Sewer Service Rates

<u>Gallons</u>	<u>Amount</u>
Minimum 30,000 gallons	\$16.00
30,001 gallons to 40,000 gallons	\$1.00 per 1,000 gallons
40,001 gallons and above	\$2.00 per 1,000 gallons

RATES FOR HUMBLE ISD SCHOOL CUSTOMERS
AND COMMUNITY IMPROVEMENT ASSOCIATION CUSTOMERS

Monthly Water Service Rates
(per meter per month)

<u>Gallons</u>	<u>Amount</u>
Minimum 10,000 gallons	\$10.00
10,001 gallons to 20,000 gallons	\$1.25 per 1,000 gallons;
20,001 gallons to 30,000 gallons	\$1.50 per 1,000 gallons;
30,001 gallons to 40,000 gallons	\$1.80 per 1,000 gallons; and
40,001 gallons and above	\$2.50 per 1,000 gallons

Effective July 1, 2014, the District will add a surcharge to Humble ISD's and the Community Improvement Association's monthly water service rate equal to the groundwater pumpage fee that is charged by the North Harris County Regional Water Authority (the "Authority"), as revised yearly, less \$0.25 per 1,000 gallons of water used. This fee will be a separate line item on the District's water bills, and will adjust at the same time the fee charged by the Authority changes.

Monthly Sewer Service Rates*

<u>Gallons</u>	<u>Amount</u>
Minimum 30,000 gallons	\$16.00
30,001 gallons to 40,000 gallons	\$1.00 per 1,000 gallons
40,001 gallons and above	\$2.00 per 1,000 gallons

* As provided in Section IV.C. of this Order, no sanitary sewer charge shall be made for sprinkler system connections.

RATES FOR COMMERCIAL CUSTOMERS

Monthly Water Service Rates (per meter per month)

<u>Gallons</u>	<u>Amount</u>
Minimum 10,000 gallons	\$22.00
10,001 to 20,000 gallons	\$2.00 per 1,000 gallons
20,001 to 40,000 gallons	\$3.00 per 1,000 gallons
40,001 and above	\$4.00 per 1,000 gallons

Effective July 1, 2014, the District will add a surcharge to the monthly water service rate equal to the groundwater pumpage fee that is charged by the North Harris County Regional Water Authority (the "Authority"), as revised yearly, less \$0.25 per 1,000 gallons of water used. This fee will be a separate line item on the District's water bills, and will adjust at the same time the fee charged by the Authority changes. .

Monthly Sewer Service Rates

<u>Gallons</u>	<u>Amount</u>
Minimum 10,000 gallons	\$28.00
10,001 gallons and above	\$1.50 per 1,000 gallons

DELINQUENT LETTER CHARGE

Delinquent Letter charge - \$10.00 per letter

Disconnection of Service Letter Fee - \$10.00 per letter

Door hanger disconnection notification fee - \$10.00 per door hanger

CHARGES FOR RECONNECTION

Disconnect Fee - \$50.00

Reconnect Fee - \$50.00 (to be paid prior to reconnecting)

Removal of Meter/Reinstallation of Meter - \$100.00 (to be paid prior to reinstallation)

Illegal Connection Fee - \$200.00

SECURITY DEPOSITS

Application and New Account Set-Up Fee - \$25.00

Homeowner - \$100.00

Renter of residential property - \$200.00

Commercial customer-twice the estimated average monthly usage, as estimated by the District's operator

RETURNED CHECK CHARGE

Returned check charge - \$35.00

GREASE AND LINT TRAP INSPECTION FEE

Grease and lint trap inspection fee - \$40.00

* * * *

NOTE: Any health hazard condition such as an ongoing water line leak or an unauthorized sewer discharge (i.e. homeowner sewer back-up discharging onto the ground), will result in termination of water service and the removal of the homeowner's or business' water meter.

NOTE: The maintenance of all water and sewer pipes and fittings installed by a builder is the responsibility of the property owner.