

CERTIFICATE FOR
ORDER AMENDING AND RESTATING CONSOLIDATED
RATE AND SERVICE ORDER

THE STATE OF TEXAS §
COUNTY OF HARRIS §
HARRIS COUNTY UTILITY DISTRICT NO. 15 §

We, the undersigned officers of the Board of Directors (the "Board") of Harris County Utility District No. 15 (the "District") hereby certify as follows:

1. The Board convened in regular session, open to the public, on July 24, 2012, at 4127 Breckenridge, Houston, Harris County, Texas and the roll was called of the members of the Board, to-wit:

Eric Goodie	President
Leonard Mattox	Vice President
Bridgett D. Kelley	Secretary
Kevin Mosley	Treasurer
Phillip Givens	Assistant Secretary

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

ORDER AMENDING AND RESTATING CONSOLIDATED
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was duly introduced for the consideration of the Board and read in full. It was then duly moved by Director Kelley and seconded by Director Mattox 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:


"Aye" 4; "No" 0.

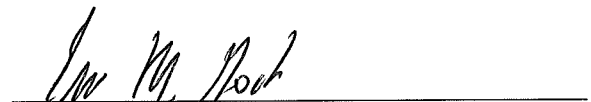
2. A true, full and correct copy of the aforesaid Order adopted at the meeting described above and foregoing paragraph is attached to and follows this Certificate; such Order has been duly recorded in the Board's minutes of such meeting; the above and foregoing paragraph is a true, full and correct excerpt 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 this 24th day of July, 2012.

A T T E S T:


Bridgett D. Kelley, Secretary


Eric Goodie, President



hc15/order.ctb 2012.07.24

ORDER AMENDING AND RESTATING CONSOLIDATED
RATE AND SERVICE ORDER

THE STATE OF TEXAS §
COUNTY OF HARRIS §
HARRIS COUNTY UTILITY DISTRICT NO. 15 §

WHEREAS, the Board of Directors (the "Board") of Harris County Utility District No. 15 (the "District") deemed it appropriate to consolidate all orders relating to the District's rates, fees, rules, regulations and policies with respect to its waterworks and sanitary sewer collection system into one Consolidated Rate and Service Order dated October 16, 1991, and to amend such Order from time to time as necessary; and

WHEREAS, the Board deems it appropriate and necessary to amend the rate order to comply with rules of the Texas Commission on Environmental Quality (the "Commission") and to restate such order as so amended;

IT IS, THEREFORE, ORDERED BY THE BOARD OF DIRECTORS OF HARRIS COUNTY UTILITY DISTRICT NO. 15 THAT THE CONSOLIDATED RATE AND SERVICE ORDER BE AMENDED AND BECOME EFFECTIVE AS OF THE DATE STATED BELOW:

I. **Connections to the District's Waterworks and Sanitary Sewer System.**

A. Connections Made and Inspected by District Operator. All water taps and sanitary sewer tap inspections shall be made by the District's Operator. Notwithstanding anything herein to the contrary, the District's Operator shall make no connection to the District's water or sanitary sewer collection system unless and either:

- (1) the information specified in Exhibit "A" attached hereto has been supplied as therein specified,
- (2) 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,
- (3) 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 replat of such tract, parcel or lot either is not required or has been review and approved by such Commission or Council, or

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

B. Policies Governing Initial Connections.

1. Certification. Connection shall not be made to the District's System until the District's Engineer has certified that the System is operational. Water service (other than construction water) shall not be provided to any Customer until an acceptable sanitary sewer connection has been made.

2. Availability of Access. Upon application for connection, the applicant shall grant an easement of ingress and egress to and from the meter for such installation, maintenance and repair as the District, in its judgment, may deem necessary. Connection will not be made when, in the opinion of the District's Engineer or the District's Operator, the work area is obstructed by building materials and debris or the work area is not completed to finished grade. When sidewalks, driveways or other improvements have been constructed prior to application for connection, such application shall be construed and accepted as a waiver of any claim for damages to such improvements resulting from the reasonable actions of the District's Operator, in the judgment of the District, in the installation of the Customer's connection. Applicant shall be responsible for the cost of replacement of sidewalks, driveways and other improvements removed by the District's Operator.

C. Payment of Tap Fees. Any person desiring a connection to the District's waterworks and/or sanitary sewer system, must pay the water tap fee and sanitary sewer tap and inspection fees prior to the making of a tap into such lines of the District. No connection shall be made by the District's Operator until such tap and inspection fees are paid.

D. Water Tap Fees. As of February 1, 1995, the following charges for water and sewer collection and disposal are in effect, which charges include the one-half percent regulatory assessment established by Section 5.235 of the Texas Water Code payable to the Texas Water Commission or its successors.

<u>Type</u>	<u>Fee</u>
Residential tap, including meter and box, 3/8", 5/8"	\$600.00
Residential tap, including meter and box, 1 inch	\$800.00

Oversized residential tap and recreation center	\$425.00 plus cost of meter and box
District Installation of Vacuum Breaker on all outside hose bibs	\$25.00 plus cost of vacuum breaker
Homeowner's Associations/ Non-Profit Associations	Cost to District plus 25%
All customers outside District	125% of rates charged for customers within the District
Commercial Tap	A minimum of \$800.00 or any charge or fee that does not exceed three times the actual costs to the District for such work or, if made to a nontaxable entity, does not exceed the actual costs to the District for such work and for all facilities that are necessary to provide District services to such entity.

E. Sewer Tap and Inspection Fees. The sanitary sewer tap and inspection fees shall be as follows:

<u>Type</u>	<u>Fee</u>
Residential	\$50.00
Commercial	A minimum of \$100.00 or a charge or fee that does not exceed three times the actual costs to the District for such work or, if made to a nontaxable entity, does not exceed the actual costs to the District for such work and for all facilities that are necessary to provide District services to such entity.
All customers outside the District	125% of rates charged for customers within the District but not to exceed three times the cost to the District.

F. Builders Inspection Fee.

1. Pre-Construction Inspection. All builders in the District are responsible for determining the location of and the condition of District facilities located on any lot proposed to be built upon by a builder. It is the responsibility of all builders to contact the operator for the District prior to starting work on a lot and to request the District Operator to inspect the condition of District facilities to verify the condition thereof. If the builder contacts the District Operator and the inspection is performed, if the District Operator determines that any District facility is either damaged or cannot be located, the District Operator will make the necessary repairs or locate and make visible any District facilities (that were not visible) at the expense of the District. If the inspection is not requested by the builder prior to the commencement of construction by the builder, the District will presume that any damage to or mislocation of District facilities was the result of the builder's activities, and the builder will be responsible for the cost of necessary repairs or the location of District facilities. A copy of the inspection report will be given to the builder's representative. After the inspection and the completion of any work necessary to repair or relocate District facilities, the builder will be responsible for any damage to District facilities which occurred during the builder's activities on the lots. The cost of the Pre-Construction Inspection will be \$25.00, payable at the time the tap fee to the District is paid.

2. Final Inspection. Upon completion of the construction on any lot by a builder and the installation of the initial water tap and meter, the sewer connection (or inspection), the District Operator will conduct a final facility inspection. At such inspection, the District Operator will make note of the condition and location of all District facilities on the property, will review the certification provided pursuant to Section II.B. hereof, and will inspect any plumbing connections subject to regulations by the District which are not covered by such certification. Before service can be transferred to a User, the property owner or builder will be responsible for any damages, adjustments or relocations to District facilities and the cost of repairing, adjusting or relocating such facilities, which occur during the construction process (with the presumptions stated above) before service can be initiated to a User. The fee for such inspection will be \$50.00 for residential and \$100.00 (or the District's cost, whichever is greater) for commercial, collected at the time the tap fee is paid to the District. If work is to be performed by the District to repair or relocate facilities, any re-inspection of facilities shall be charged an additional \$25.00 or \$100.00, before service will be transferred to a subsequent User. The District may withhold the provision of service to any property within the District who has timely failed to pay the inspection fees or to pay for the repairs, adjustments or relocations of District facilities; provided, however, the District shall follow the notification procedures set forth in Section III. prior to withholding the provision of service.

The Builder for whom the tap is made shall be responsible for the cost of replacement of all sidewalks removed or damaged by the District in making a water and/or sewer tap.

G. Grease Traps.

The District shall require the owner of any establishment that discharges certain types of waste into the District's sanitary sewer system to install a trap to prevent the entry of the discharge into the system and a sampling well to allow for periodic sampling of the discharge from the establishment. Discharges requiring a trap and sampling well include, but are not limited to, grease, oil, sand or flammable waste. Other discharges requiring a trap and sampling well shall be determined by the District's Operator and Engineer on a case by case basis based on the District Operator's and Engineer's conclusion that the discharge in question will harm the District's facilities if allowed to enter the District's system.

Any person responsible for a discharge requiring a trap and sampling well shall 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. For restaurants and similar developments, the District will require a minimum one trap and one sampling well per restaurant. Each trap and sampling well required to be installed hereunder shall be subject to initial inspection and approval by a District representative. The total fee for this initial inspection of the trap and the sampling well shall be \$75.00.

It shall be the responsibility of the owner of the property to maintain and service the trap(s). All traps shall be cleaned a minimum of once a month and as otherwise necessary to avoid any release of grease into the District's sanitary sewer system. Whenever a trap is cleaned, the owner shall file a copy of a fully executed "Liquid Waste Manifest" form, evidencing the legal disposition of the waste, at the office of the District's Operator within ten (10) days of such disposition. Failure to timely file such form with the District's Operator shall subject the owner and/or user to the penalties set forth in this Rate Order.

The District's Operator and/or a Board appointed representative shall inspect grease traps once per month. The fee charged for each grease trap inspection shall be \$45.00. The District's Operator may take samples and flow measurements from the sampling wells with no limit as to the frequency of such tests. Any user responsible for any grease trap found not to be adequately cleaned and maintained shall be notified in writing that it has fourteen (14) days to have such grease trap properly cleaned. If such deficiencies are not corrected within fourteen (14) days, service shall be terminated pursuant to the terms of this Rate Order. The District's Operator and/or a Board appointed representative shall reinspect, sample and test any grease trap found in violation of this Rate Order during a routine inspection, at the District's sole discretion as to time and frequency. The cost of such reinspection, sampling and testing will be billed to the owner of the property as follows:

Reinspection	\$20.00 each trip
Sampling	\$20.00 each trip
Lab Analysis	Cost + 20%.

The District has the right, in its sole discretion, to require the owner of the property to pretreat the discharge at the owner's expense.

II. Inspections.

A. Inspection of Backflow Prevention Assemblies.

1. No direct connection between the District's water supply and a potential source of contamination shall be permitted. Any potential sources of contamination shall be isolated from the District's water supply by an air gap or an appropriate backflow prevention assembly in accordance with the state plumbing regulations. Appropriate backflow prevention assemblies must be approved by the American Society of Sanitary Engineers; or the Foundation for Cross-Connection Control and Hydraulic Research, University of Southern California; or the Uniform Plumbing Code; or any other laboratory that has equivalent capabilities for both the laboratory and field evaluation of backflow prevention assemblies. The backflow prevention assembly must be installed in accordance with the laboratory approval standards or if the approval does not include specific installation information, the manufacturer's current published recommendations.

2. All pressure relief valves and thermal expansion devices shall be in compliance with state plumbing codes. An approved backflow prevention assembly must be installed on all post-mix carbonators and no piping containing copper shall be installed downstream of the assembly supplying the carbonator. All commercial connections shall be connected to the water system with a "Reduced Pressure Principal Backflow Prevention assembly". All irrigation systems shall be connected to the water system with a properly installed testable backflow prevention assembly. Any irrigation system using chemical additives shall be connected to the water system with a "Reduced Pressure Principal Backflow Prevention assembly".

3. One of the following methods must be used to prevent backflow:

(A) An air gap may be used if:

- (1) there is an unobstructed physical separation; and
- (2) the distance from the lowest point of the water supply outlet to the flood rim of the fixture or assembly into which the outlet discharges is at least one inch or twice the diameter of the water supply outlet, whichever is greater.

(B) Reduced pressure principle backflow prevention assemblies (RP) may be used if:

- (1) the device is installed at a minimum of 12 inches above ground in a location that will ensure that the assembly will not be submerged; and
- (2) drainage is provided for any water that may be discharged through the assembly relief valve.

(C) Pressure vacuum breakers (PVB) may be used if:

- (1) no back-pressure condition will occur; and

(2) the device is installed at a minimum of 12 inches above any downstream piping and the highest downstream opening. Pop-up sprinklers are measured from the retracted position from the top of the sprinkler.

(D) Double check valve assemblies (DCV) may be used if:

(1) non-health hazard exists

(E) Atmospheric vacuum breakers (AVB) may be used if:

(1) no back-pressure will be present;

(2) there are no shutoff valves downstream from the atmospheric vacuum breaker;

(3) the device is installed at a minimum of six inches above any downstream piping and the highest downstream opening. Pop-up sprinklers are measured from the retracted position from the top of the sprinkler;

(4) there is no continuous pressure on the supply side of the atmospheric vacuum breaker for more than 12 hours in any 24-hour period; and

(5) a separate atmospheric vacuum breaker is installed on the discharge side of each irrigation control valve, between the valve and all the emission devices that the valve controls.

(F) Hose bibb vacuum breakers must be used:

(1) on all threaded hose bibs not used under continuous pressure.

3. All backflow prevention assemblies will be tested by the District or other duly authorized representative of the District upon the installation, repair, or relocation, and at least annually thereafter. For each backflow prevention assembly tested, a signed and dated original Backflow Prevention Test and Maintenance Report, in substantially the form and containing at least the information set forth in the sample Backflow Prevention Assembly Test and Maintenance Report Form attached hereto as Exhibit "B", must be completed by the recognized backflow prevention assembly tester and submitted to the District. The District shall charge the Consumer a fee per backflow prevention assembly tested as described: \$95.00 for a size 2-inch or less assembly, \$115.00 for a size 4-inch assembly and \$135.00 for a size 6-inch assembly. All assemblies shall be maintained in good working condition by the person or persons having control of such assemblies. The District or other duly authorized representative of the District may inspect such assemblies and if found to be defective or inoperative shall require the repair or replacement thereof. The District requires an inspection fee for residential and non-residential backflow prevention assemblies and shall charge \$50.00 for such services.

4. Any person who connects an irrigation system must hold a valid license, as defined by Title 30, Texas Administrative Code, Chapter 30 and required by Chapter 1903 of the Texas Occupations Code, or as defined by Chapter 365, Title 22 of the Texas Administrative Code and required by Chapter 1301 of the Texas Occupations Code.

5. The use of a backflow prevention assembly at the service connection shall be considered additional backflow protection and shall not negate the use of backflow prevention on the internal hazards of any Customer connection as outlined and enforced by applicable Texas Commission on Environmental Quality regulations and/or local plumbing codes.

6. If a customer fails to comply with the requirements, the District may terminate service to the Customer in accordance with the provisions of Article IIV A(2) of this order, or the District may properly install, test and maintain the necessary backflow prevention assembly and bill the Customer for all expenses incurred in connection relating thereof. An annual administrative charge to the customer from the District will be \$25.00 per assembly; such amount shall be billed annually by the District.

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 five (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. Failure to provide such certification is a violation of these rules.

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.

c. Licensed Plumbers, with respect to customer service inspections on single-family residential services only.

3. It is the responsibility of the Customer to obtain and pay for the customer service inspection certification.

4. The existence of private plumbing facilities in violation of Sections I. or II. of these rules is an undesirable plumbing practice and a violation of these rules. 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 required inspections have been secured or the source of potential contamination no longer exists or when sufficient additional safeguards have been taken.

5. The District shall maintain a cross-connection control program to identify customers who violate Article VI of Exhibit "D", Rules and Regulations Governing Waterworks and Sanitary Sewer System. If the District finds a cross-connection, it will bill the customer the cost of District investigations and inspections in addition to any other charges or penalties assessable hereunder.

III. Water and Sewer Service.

A. Deposit.

1. Residential. A security deposit of \$75.00 shall be charged and collected on all new residential connections or reconnections in the District from persons who own such residences, and a security deposit of \$100.00 shall be charged and collected on all new residential connections or reconnections in the District from persons who are leasing such residences. The deposit shall be refundable after a customer terminates service, in the amount of the original deposit less any and all charges then owed to the District.

If the District's Operator disconnects a customer's service, then, in addition to the \$50.00 reconnection fee, the customer will be required to (i) replenish the initial \$75.00 (for residential connections or reconnections) or \$100 deposit (for leased residential connections or reconnections), if and to the extent previously offset, and (ii) pay an additional \$50.00 security deposit, such that at all times thereafter, such customer shall be required to maintain (and replenish if necessary) a \$125.00 security deposit (for residential connections or reconnections) or \$150.00 security deposit (for leased residential connections or reconnections).

2. Commercial and Apartment Customers Served by a Master Meter. A security deposit equal to the greater of \$500.00 or two and one-half (2.5) times the average monthly bill for water and sewer service as calculated pursuant to this Rate Order shall be charged and collected on all new and existing commercial connections or reconnections in the District from persons who own or lease such commercial facilities and are requesting service. The deposit for apartment customers served by a master meter shall be calculated in the same fashion. The District's Operator shall be authorized to increase said deposit should the Operator determine that same is insufficient to cover two and one-half (2.5) the average monthly bill based upon actual current usage by the customer. The deposit shall be refundable after a customer terminates service, in the amount of the original deposit less any and all charges then owed to the District.

If the District's Operator disconnects a customer's service, then, in addition to the \$50.00 reconnection fee, an additional security deposit of three times the customer's average monthly bill shall be charged and collected on all connections for commercial customers and for apartment customers served by a master meter. The deposit shall be paid prior to the reconnection of service by the District and shall be refundable after a customer terminates

service in the amount of all deposit amounts, less any and all charges then owed to the District.

B. Resort to Deposit. In the event that a resident is delinquent in paying any bills of the District for water or sanitary sewer service for a period of at least 60 days after such bills are due and payable the District may transfer such customer's deposit or any part thereof to its operating fund in payment of such unpaid bills and may require that such deposit be replenished by such amount transferred. If such resident has not established a deposit with the District, the District may require that a deposit be made by the resident pursuant to paragraph III.A. above.

C. Rates. The following rates and charges for the sale of water and collection and disposal of sanitary sewage, or either, shall be in effect from the effective date of this Order:

MONTHLY SERVICE RATES
PER SINGLE FAMILY OR EQUIVALENT CONNECTION

Water – Residential & Commercial

<u>Connection Size</u>	<u>Minimum Bill</u>
5/8", 3/4"	\$ 0.00
1"	\$ 0.00
1-1/2"	\$ 0.00
2"	\$ 0.00
2-1/2"	\$ 0.00
3"	\$ 0.00
4"	\$ 0.00
6"	\$ 0.00

Increasing Block Rates	0 gallons – 3,000 gallons = \$2.00 per 1,000 gallons 3,000 gallons – 6,000 gallons = \$2.25 per 1,000 gallons 6,000 gallons – 9,000 gallons = \$2.50 per 1,000 gallons 9,000 gallons – 12,000 gallons = \$2.75 per 1,000 gallons 12,000 gallons – 15,000 gallons = \$3.00 per 1,000 gallons 15,000 gallons – 18,000 gallons = \$3.50 per 1,000 gallons 18,000 gallons - 21,000 gallons = \$4.00 per 1,000 gallons 21,000 gallons and up - = \$4.50 per 1,000 gallons
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All customers outside District	125% of rates charged for customers within the District, except contracts to the contrary
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Multiple Residential Units - connected to the District's system by a single meter shall be billed as a single connection according to the sum of the following formulas:

$$\text{Minimum Bill} = \text{No. of units} \times 5/8'' \text{ meter rates}$$

$$\text{Increasing Block Rate Gallon Levels} = \text{No. of units} \times \text{Gallon levels in Increasing Block Rate Structure}$$

Multiple Commercial Units - connected to the District's system by a single meter shall be billed as a single connection according to the sum of the following:

$$\text{Minimum Bill} = \text{Minimum Bill according to meter size}$$

$$\text{Increasing Block Rate Gallon Levels} = \text{Gallon Levels in Increasing Block Rate Structure} \times \text{Multiplier According to Meter Size (Table Below)}$$

<u>Connection Size</u>	<u>Multiplier</u>
1"	1.67
1-1/2"	3.33
2"	5.33
2-1/2"	6.88
3"	10.00
4"	16.67
6"	33.33

Sanitary Sewer Service – Residential & Commercial

<u>Connection Size</u>	<u>Minimum Bill, (plus current garbage collection fee in effect at the time services rendered)</u>
5/8", 3/4"	\$ 0.00
1"	\$ 0.00
1-1/2"	\$ 0.00
2"	\$ 0.00
2-1/2"	\$ 0.00
3"	\$ 0.00
4"	\$ 0.00
6"	\$ 0.00

Commercial no garbage collection included

Increasing Block Rates

0 gallons – 3,000 gallons = \$2.00 per 1,000 gallons
 3,000 gallons – 6,000 gallons = \$2.25 per 1,000 gallons
 6,000 gallons – 9,000 gallons = \$2.50 per 1,000 gallons
 9,000 gallons – 12,000 gallons = \$2.75 per 1,000 gallons
 12,000 gallons – 15,000 gallons = \$3.00 per 1,000 gallons
 15,000 gallons – 18,000 gallons = \$3.50 per 1,000 gallons
 18,000 gallons - 21,000 gallons = \$4.00 per 1,000 gallons
 21,000 gallons and up - = \$4.50 per 1,000 gallons

All customers outside District 125% of rates charged for customers within the District, except contracts to the contrary

Multiple Residential Units - connected to the District’s system by a single meter shall be billed as a single connection according to the sum of the following formulas:

Minimum Bill = No. of units x 5/8” meter rates

Increasing Block Rate Gallon Levels = No. of units x Gallon levels in Increasing Block Rate Structure

Multiple Commercial Units - connected to the District’s system by a single meter shall be billed as a single connection according to the sum of the following:

Minimum Bill = Minimum Bill according to meter size

Increasing Block Rate Gallon Levels = Gallon Levels in Increasing Block Rate Structure X Multiplier According to Meter Size (Table Below)

<u>Connection Size</u>	<u>Multiplier</u>
1”	1.67
1-1/2”	3.33
2”	5.33
2-1/2”	6.88
3”	10.00
4”	16.67
6”	33.33

D. Temporary Meter. The District will install at the request of any builder, contractor or similar person, a special meter attached to any flushing valve within the District to

provide a temporary supply of water for construction purposes. Such meter shall be installed upon application and deposit of \$800.00, which amount shall be applied to payment of the District's water service charge for water actually used and the balance, after a reduction of a \$50.00 installation charge, returned upon disconnection of the meter. No builder, contractor or similar person shall otherwise draw water from any flushing valve within the District.

E. Definition of Single Family Connection or Equivalent Single Family Connection. Each residential unit occupied by a separate family and having an individual meter shall be deemed a single family connection.

IV. Leak Adjustments and Conditions of Extreme Heat or Drought

A. Leak Adjustment. Harris County U.D. 15 permits customers who have experienced an excusable defect to receive an adjustment to their bills. Credit will take the appearance of a rebate to the bill, not a refund. To meet the criteria as excusable, a defect must be out of sight, such as in a wall, subversive, or in a toilet tank. Faucets are not considered hidden.

A written claim must be submitted to the District's Operator, and must include a receipt for an effective repair bill, within six months of the repair. An adjustment to the customer's water consumption will be made to equal the customers' most recent three-month average water and sewer consumption. In cases where there is not three months of prior usage to create an average, the adjustment shall be a 50% credit on the account for the month of the leak. Only one month's bill will be subject to an adjustment; customers will be responsible for leaks which continue for more than one billing cycle unless otherwise approved by the Board. Customers may apply for no more than two such adjustments in any 12-month period for any one account.

Things which can prevent this adjustment include:

Ineffective repairs--sometimes the real problem is a second leak that needs to be repaired. Repairs which do not reduce water consumption will be considered ineffective.

Long term leakage--allowing a leak to continue for over three months raises the average consumption.

This leak adjustment policy does not excuse a customer's delinquency while a claim is being processed.

B. Conditions of Extreme Heat or Drought. During conditions of extreme heat or drought, Harris County U.D. 15 permits customers who have a good payment history to receive a temporary, one-month reprieve from termination of services for delinquency. The Board of Directors may consider, but will not be limited to, heat or drought advisories issued by local, county, state and national agencies in determining whether or not conditions of extreme heat or drought exist. The Board of Directors will determine what constitutes a good payment history on a case-by-case basis. To qualify for a reprieve, a written claim must be submitted to the District's Operator which

acknowledges the delinquency of the account. Customers may apply for no more than two such reprieves in any 12-month period for any one account.

V. **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 "E". The District's charge to the customer will be \$10.00, paid at the time the Agreement is signed.

VI. **Delinquent Water and Sanitary Sewer Service Accounts.**

1. Payment shall be due on or before the 11th day of the month. After such date, a late charge penalty of ten percent (10%) of the total bill shall automatically be added.

2. The District's operator shall, on the date an account becomes delinquent for two consecutive months, leave a notice at the service address in the form of a door hanger announcement informing the consumer as to the amount of the deficiency and that the consumer must bring the amount of the deficiency, plus the current month's billing and a \$25.00 charge for the door knocker service to the office of the operator within forty-eight (48) hours after the time the operator leaves the notice. If the consumer fails to make payment and the operator picks the payment up from the consumer, the consumer will be required to pay an additional \$25.00 fee. The District shall have the right to discontinue service and cut off the supply of water to a consumer at any time after the bill becomes delinquent.

3. If it is necessary to send an operator to collect a bill for any reason, including, but not limited to, providing notice of termination, a \$25.00 service charge shall be made. No operator may accept cash. If the collection is required due to a check being returned for insufficient funds, only cashier's checks or money orders may be accepted.

4. Each new Customer shall be mailed a summary of these billing procedures.

VII. **Discontinuation of Service.**

A. Charges of Disconnection and Reconnection. In the event of any discontinuation of service, the District shall charge the following:

- | | | |
|----|-------------------------------|--|
| 1. | At the request of a customer | \$25.00 to discontinue
\$25.00 to restore |
| 2. | Customer failure to pay bills | \$50.00 to restore. |

B. Charges for Removal and Reinstallation of Water Meter. In the event a Customer defaults on a payment agreement entered into in accordance with Section V. hereof, or if the Operator determines that unauthorized tampering to a water meter has occurred, the Operator shall have the authority to remove such water meter or take other actions authorized by law. In the event the District is required to remove a water meter in order to enforce its rules and regulations relating to District facilities, the District shall charge the cost of such removal to the Customer plus a surcharge equal to 20% of such cost to remove such meter and the cost of reinstallation to the District plus a surcharge equal to 20% of such cost to reinstall such meter. All water meter reinstallation costs shall be paid by the Customer by cashier's check or money order before such water meter is reinstalled.

VIII. Rules and Regulations Governing Waterworks and Sanitary Sewer Connections.

A. The Board hereby reaffirms its adoption of the Order Adopting Rules and Regulations concerning Waterworks and Sanitary Sewer System, which are described in Exhibit "A", attached hereto and incorporated herein for all purposes as an integral part thereof.

B. The District reserves the right to terminate water and/or sewer service to any customer because the operation of the customer's water and/or sanitary sewer facilities on its property is creating or may create a health hazard in the opinion of the Board of Directors of the District or the District's authorized representative. The District's Operator is hereby delegated the responsibility to make such a determination and to inform any customer of the District's water and/or sanitary sewer system of any condition which he feels is or may create a public health hazard and to notify the customer that the condition should be remedied and extending a reasonable time to remedy such situation, in light of the improvements required to be made and the nature of the health hazard. The District's Operator or other representative of the District shall notify the customer in person or by telephone of the existence of the health hazard or shall give notice to the customer by U.S. Mail postpaid to the address shown on the records of the District as being the address of the customer and shall give the customer no more than ten (10) days to remedy existing conditions. The Customer may appeal the decision of the District's Operator to the Board of Directors of the District which appeal shall be heard at a special or regular meeting of the Board. All decisions by the Board shall be final as to the provision of service and the improvements to be made.

C. Civil Penalties. The Board hereby imposes the following civil penalties for breach of any rule of the District. 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.

IX. **General Policies.**

A. All Services Charged. At no time shall the District render water and/or sewer service without charge to any person, firm, corporation, institution or organization.

B. Returned Check Fee. Customers who tender checks for payment of any fees listed in this Rate Order and whose checks are returned unpaid to the District shall be charged a fee of \$25.00, in addition to any and all other fees and charges due. Such returned checks shall not be considered as payment and the failure of such payment shall be considered to have existed from the time such check was originally tendered.

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

X. **Implementation of Order.**

This amended Order shall be effective as of July 24, 2012. The President or Vice President or Secretary or Assistant Secretary are authorized to do all things necessary and proper to evidence the Board's adoption of this Order and to carry out the intent hereof.

* * * *

EXHIBIT "A"
BASIC REQUIREMENTS FOR APPROVAL OF
DEVELOPMENT PLANS BY DISTRICT ENGINEER

Following is a list of requirements that should be incorporated into the construction documents that are submitted to the Engineer for plan approval:

1. Apartment name and/or subdivision name, reserve name and acreage of tract.
2. List total number of units or connections on drawings.
3. Two sets of review plans of complete water, sanitary and drainage system.
4. Approved subdivision plat with City of Houston comments, (including City Planning Letter showing:
 - a. Waterline Easement
 - b. Water Meter Easements - per City of Houston requirement
 - c. Fire Hydrant Easements - per City of Houston requirement
 - d. All surveying control and ties to easements and waterlines
 - e. All easements must coincide with construction drawings
5. Waterline designed per City of Houston Water Division Standards.
6. Texas Health Department Letter of Approval on waterline.
7. A clear detail (cross-section) of any private facilities crossing a District facility.
8. All private sewers to be constructed in public right-of-way for purposes of connecting to District facilities to be designed, bedded and backfilled to City of Houston E-14 standards.
9. A plan and profile of any facility crossing public right-of-way to City and County specifications and standards.
10. Make sanitary sewer stub connections with manholes. A drop will be required if there is more than a 3'0" difference in elevation of private line to District line. If connection is at the end of cast iron stub, the cast iron pipe is not to be cut. Connections are to be done outside of existing waterline easements.

11. After all requirements have been met, please submit three (3) sets of approved plans.
12. Minimum 24-hour notice to the District Engineer's Inspection Department will be required for all ties to District facilities of sanitary sewer, waterlines, or storm sewer to schedule inspections. This also includes any testing required.
13. District Operator to inspect or perform all private water and sanitary sewer connections to District facilities including inspection, taps and ties. Inspection will not be made unless operator has Letter of Approval from District Engineer and plans are approved by all governing agencies.
14. District Engineer to inspect waterline prior to backfill and to witness waterline chlorination and test upon completion of backfill.
15. District Operator to make all water taps to District line. Tap fees to be paid prior to making connection.
16. Sewer inspection will not be made until tap fees are paid.
17. Note on drawing:

Field verify existing District lien elevations and locations prior to installation of private system.

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 _____

Size _____

Model Number _____

Located at _____

Serial Number _____

	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 <input type="checkbox"/> RP- _____ psid Leaked <input type="checkbox"/>	Closed Tight <input type="checkbox"/> Leaked <input type="checkbox"/>	Opened at _____ psid	Did not Open <input type="checkbox"/>	Leaked <input type="checkbox"/>
Repairs and Materials Used					
Test After Repair	DC-Closed Tight <input type="checkbox"/> RP- _____ psid	Closed Tight <input type="checkbox"/>	Opened at _____ psid	Opened at _____ psid	_____ psid

The above is certified to be true.

Firm Name: _____

Certified Tester: _____

Firm Address: _____

Cert. Tester No.: _____

Date: _____

Test Gauge Serial No.: _____

EXHIBIT "D"

HARRIS COUNTY UTILITY DISTRICT NO. 15

RULES AND REGULATIONS GOVERNING WATERWORKS AND SANITARY SEWER SYSTEM

The following Rules and Regulations (the "Rules and Regulations"), together with the Plumbing Code of the City of Houston, which is incorporated herein and shall apply where it is not inconsistent with these Rules and Regulations, shall govern the installation of connections or taps to the District's waterworks and sanitary sewer system, the fees and charges associated with such connections or taps, 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 the enforcement of these Rules and Regulations and penalties for violations thereof:

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 following 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 Taps will be installed by the standard City of Houston "long" or "short" residential water service line connection, including a 5/8" x 3/4" 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 -- Shall be in accordance with the applicable standards as approved and published by the AWWA, 6666 W. Quincy Avenue, Denver, Colorado 80235.

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, and the pipe and fittings in each Sewer Service Line must consist of the following material or other material by the District's Engineer:
 - a. Poly-vinyl-chloride ("PVC") pipe conforming to ASTM Specification D3034 or ASTM Specification F789 (with UL listing) and installed according to ASTM D2321.
 - b. Acrylonitrile-butadiene-styrene ("ABS") pipe, material conforming to ASTM Specification D2751.

If it is necessary to use any other type of pipe material, such pipe material must be approved in writing in advance by the District's Engineer.

4. The minimum sizes of Sewer Service Lines shall be as follows:

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

Where the District Engineer confirms that the daily sewage flow from a commercial service will not exceed 350 gallons per day, a 4-inch Service Line will be allowed.

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 - six inch drop per hundred feet (0.5%)
 - c. 8-inch pipe - four inch drop per hundred feet (0.33%)

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.
 - a. All Sewer Taps where the particular portion of the District's sanitary sewer system is constructed of ABS Truss Pipe, shall be by use of approved plastic "saddle" type connectors compatible with the materials being joined. Such connectors shall be chemically welded to both the District's line and the Sewer Service Line by use of a chemical solvent and adjustable stainless-steel bands.
 - b. All Sewer Taps, where the particular portion of the District's sanitary sewer system is of material other than ABS Truss pipe, shall be by use of "saddle" type connections which have been approved by the District's Engineer.
 - c. All holes or openings made in the District's sanitary sewer system or Sewer Service Line shall first be marked with a template and then cut with a "key-hole" saw, and the portion of material that is removed shall be retained and given to the District's operator when the Sewer Tap is inspected. The street address number associated with the particular Sewer Tap shall be marked on the material removed.
 - d. No Sewer Taps of any type shall be allowed to be made directly to a sanitary sewer manhole, unless approved in writing in advance by the District's Engineer and supervised by the District's Operator under instruction from the District's Engineer.
8. All Sewer Taps shall be made only by use of an adapter of a type compatible with the materials being joined. All Sewer Taps shall be watertight. No cement grout materials shall be permitted.
9. Testing and Inspection
 - a. The District reserves the right to test and/or inspect all Sewer Service Lines and Sewer Taps by air test or other means of testing

and inspecting by the District's Engineer or the District's Operator as either may deem proper. The District may also make appropriate tests and inspections of any and all internal utility systems for multi-family developments.

- b. The District may make reasonable charges to its customers for such tests and inspections.
- c. The tests permitted above are not, however required of all Sewer Service Lines and Sewer Taps, but are to be conducted at the discretion of the District's Engineer or the District's Operator when observations indicate that the Sewer Service Lines or Sewer Taps may not be properly constructed.

B. Connection 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 of 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 plug.

III. INSTALLATION AND REPAIR OF WATER TAPS

- A. Prior to the installation of a Water Tap, an applicant for water service must pay to the District's Operator all tap and inspection fees, as described in Section V. hereof, and must have secured an approved sewer inspection by the District's Operator for the building for which water service is requested.
- B. All 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 48 hours prior to construction of a Sewer Service Line and Sewer Tap. All tap and inspection fees, as described in Section V. hereof, should accompany such application. (Application forms are available from the District's Operator.) Construction of any Sewer Service Line must not begin until authorized by the District's Operator. All sewer taps must be made by the District's Operator.
- B. Sewer Service Lines and Sewer Taps.
 - 1. When a Sewer Service Line and a Sewer Tap are 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 of the Sewer Tap. Requests for such sewer inspections shall be made to the District's Operator at least 48 hours in advance of the connections and inspections.
 - 2. 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.
 - 3. 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. PROHIBITION ON THE USE OF LEAD

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. This requirement may be waived for lead joints that are necessary for repairs to cast iron pipe.

VI. PROHIBITION ON DIRECT OR CROSS CONNECTION

- A. No water connection from the District's water system shall be made to any establishment where an actual or potential contamination or system hazard exists 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 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.
- B. 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.
- C. No water connection from the District's water supply system shall be made to any condensing, cooling or industrial process or any other system of nonpotable usage over which the District does not have sanitary control, unless the connection is made in accordance with the requirements of this subsection. Water from such systems cannot be returned to the District's potable water supply.
- D. 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.
- E. All outside hose bibs are required to be fitted with a Vacuum Breaker.

VII. FEES AND CHARGES

- A. The District's Water Tap fees shall be as established by order of the Board of Directors of the District, as the same may be amended from time to time.

- B. The District's Sewer Tap and inspection fees shall be as established by order of the Board of Directors of the District, as the same may be amended from time to time.
- C. The District's fee for reconnection of water or sewer service disconnected because of delinquency in payment of bills shall be as established by order of the Board of Directors of the District, as the same may be amended from time to time.
- D. Prior to the making of any (1) Water Tap or (2) Sewer Tap or inspection by the District's Operator, an applicant for service shall be deposit with the District's Operator an amount equal to the total of the District's Water Tap and Sewer Tap and Inspection fees and other relevant charges.
- E. Applicant for service shall make all fee payments payable to the District.
- F. All residential taps and/or inspections shall be made within ten (10) working days after receipt of fee payment, if materials are available. All commercial taps and inspections, if any, shall be made within ten (10) working days after receipt of fee payments, if materials are available.
- G. Additional Charges--

Any non-routine charges incurred by the District in connection with any Water Tap or Sewer Tap and inspection shall be the responsibility of the applicant for service and shall be charged to such applicant prior to commencement of any service to such applicant.

VIII. REGULATION OF DOMESTIC, COMMERCIAL AND INDUSTRIAL WASTES

The Board of Directors of Harris County Utility District No. 15 (the "District") hereby establishes and promulgates the following policies, rules and regulations concerning domestic, commercial and industrial wastes:

A. Definitions.

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

1. The term "BOD" means the five-day, 20° 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 Natural Resource Conservation Commission.

2. The term "COD" 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 Natural Resource Conservation Commission.
3. The term "cross-connection" means a physical connection between a public water system and either another supply of unknown or questionable quality, any source which may contain contaminating or polluting substances, or any source of water treated to a lesser degree in the treatment process.
4. The term "customer" means any person who is served by the Waste Disposal System.
5. 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.
6. 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.
7. The term "health hazard" means any conditions, devices or practices in the water supply system and/or its operation which create, or may create, a danger to the public health and well-being of the water consumer. An example of a health hazard is a structural defect in the water supply system, whether of location, design, or construction, which may regularly or occasionally prevent satisfactory purification of the water supply or cause it to be contaminated from extraneous sources.
8. The term "high health hazard" means 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.
9. 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.

10. 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.
11. The term "infiltration water" means water which leaks into the District's Waste Disposal System or its customers' sanitary sewer collection systems.
12. 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 25C mg/l and BOD is not more than 250 mg/l.
13. 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.
14. 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; 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.
15. The term "pH" means the common logarithm of the reciprocal of the hydrogen ion concentration expressed in grams per liter of solution.
16. 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.
17. 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.

18. 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.
19. 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.
20. The term "storm sewer" means sewers which carry storm and surface waters and drainage, and into which waste is not intentionally discharged.
21. The term "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.
22. 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.
23. 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.
24. 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.
25. 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.

B. Prohibited Discharge.

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 any other waste may:

1. Exceed 250 BOD for any 24 hour period;
2. Injure or interfere with the processes or physical properties or facilities of the District's Waste Disposal System;
3. Constitute a hazard to humans or animals; or
4. 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, BOD, COD 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.

C. 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/l 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 COD 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 32° and 150° Fahrenheit (0 and 65° Centigrade) or which exceeds on analysis an average of 100 mg/l of soluble matter;
7. Dissolved sulfides whose concentrations exceed 0.1 mg/l; or
8. Any other corrosive, explosive, malodorous or objectionable chemicals in liquid, solid or gaseous form.

D. Heavy Metals and Toxic Materials.

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, uranylion, rhenium, strontium, tellurium, and such other heavy metals as may be prohibited from time to time by the District;
6. The following heaving 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/l</u>	<u>Element</u>	<u>mg/l</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, columns and other applicable standards prescribed by the District or by applicable statutes, laws, rules or regulations.

E. 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 HP metric) or greater.

F. Drainage and Storm Water.

No person may discharge into the Waste Disposal System drainage or storm waters.

G. Temperature.

No person may discharge into the Waste Disposal System liquid or vapors having a temperature higher than 150° Fahrenheit (66° 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° Fahrenheit or more per hour or to exceed an influent temperature of 110° Fahrenheit.

H. 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.

I. 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. Discontinuation of the discharge into the District's sewer system in its entirety;
2. Pretreatment to an acceptable condition for discharge into the Waste Disposal System;
3. Control over the quantities and rates of discharge; and
4. 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.

J. 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.

K. Industrial Waste Charges.

Notwithstanding any other terms, provisions or limitations of the Rules and Regulations hereof, 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 expenses for the collection and treatment of industrial waste and operation and maintenance costs including salaries and wages, power cost, cost of chemicals, supplies, sludge hauling, allowances for maintenance, overhead, administrative and general expense. Industrial waste charges shall be calculated by the following formula:

$$C = a[A (B+S)] b$$

Where C = charges to industrial user, S/month

- a = unit cost of transportation and treatment chargeable to volume, BOD and suspended solids, S/lb
- b = $8.24 \frac{\text{liters}}{\text{milligrams}} = \frac{\text{pounds}}{\text{million gallon}}$
- A = volume of waste from industrial user, million gallons/month, (based on user allocation or results obtained from an approved flow measurement system)
- B = amount of BOD from industrial user less normal domestic wastewater average concentration, mg/l, (based on monthly average mg/l obtained from samples taken at the point of discharge into the District's collection or disposal system less 250 mg/l).

IX. 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 as a result of willful action injure, deface, or destroy any facilities that are a part of the District's waterworks or sanitary and storm 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 in case of fire, duly authorized members of any local volunteer fire department shall have the right to use such flushing valves for fire protection purposes.
- B. It shall be unlawful for any person to connection 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 part of the District's waterworks and sewer system any debris or foreign substance that would interfere with the proper and routine functioning thereof.

X. ENFORCEMENT OF THESE RULES AND REGULATIONS AND PENALTIES

A. Enforcement

1. Pursuant to Section 49.004, Texas Water Code, the Rules and Regulations shall be recognized by the courts of the State of Texas.

2. Pursuant to Section 49.004, Texas Water Code, enforcement of the Rules and Regulations shall be by civil suit filed in the appropriate court of jurisdiction in the county in which the District's principal office is located.

B. Civil 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 \$300 per violation per day and payment to the District of any costs incurred by the District in connection with any repairs or corrections necessitated by any such breach.

EXHIBIT "E"

APPLICATION FOR NEW WATER & SEWER SERVICE

HARRIS COUNTY UD # 15
312 Spring Hill Drive, Suite 100
Spring, Texas 77386
(281) 367-5511
(281) 367-5517(fax)
SERVICE@MUNICIPALOPS.COM

Account # _____
(Office use only)

According to the District's rate order an application for water and sanitary sewer service is required for all new connections. Please complete the application and return it to our office along with your driver's license. As the owner there will be a **\$75.00** (refundable) deposit and a **\$10.00** (non-refundable) transfer fee, renters will have a **\$100.00** (refundable) deposit, and a **\$10.00** (non-refundable) transfer fee. The deposit and transfer fee must be paid by cash, cashier's check, money order, or credit card over the phone (5% processing fee will be applied) **ONLY** before service is rendered. **NO EXCEPTIONS.**

Please check box to pay
with credit card

Today's Date: _____ **New Service Requested Date:** _____

Customer Name: _____ **DOB:** _____

SSN _____ **TAX ID** _____ **DL & State** _____
(IF APPLICABLE)

Employer: _____ **Work Phone:** _____

Spouse: _____

Spouse's SSN: _____ **Driver's License # and State:** _____

Service Address: _____

City: _____ **State:** _____ **Zip Code:** _____

Home Phone: _____ **Cell Phone:** _____

E-mail Address: _____

Billing Address (if different): _____

City: _____ **State:** _____ **Zip Code:** _____

Do you: _____ **own** _____ **rent** _____ **manage** (listing agreement required)

Landlord Name: _____ **Contact number:** _____

Address: _____ **City /St / Zip:** _____

Please fill out completely and return with a copy of your driver's license.

**Service Agreement
Exhibit "B"**

- I. PURPOSE:** HARRIS COUNTY UD #15 (herein after referred to as the "District") 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 District enforces these restrictions to ensure the public health and welfare. Each customer must sign this agreement before the District will begin service. In addition, when service to an existing connection has been suspended or terminated, the District will not re-establish service unless it has a signed copy of this Service Agreement.
- II. PLUMBING RESTRICTIONS:** The following unacceptable 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 in accordance with state plumbing regulations. Additionally, all pressure release valves and thermal expansion devices shall be in compliance with state plumbing codes.
 - 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 are not permitted.
 - c. No connection, which allows water to be returned to the public drinking water supply, is permitted.
 - d. No pipe or pipe fitting installed on or after July 1, 1988, 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 on or after July 1, 1988, which provides water for human use.
 - f. No plumbing fixture shall be installed which is not in compliance with a state approved plumbing code.
- III. SERVICE AGREEMENT:** The following are the terms of the service agreement between the District and _____ (the Customer).
- a. The District will maintain a copy of this agreement as long as the Customer and/or the premises is connected to the District's water system.
 - b. The Customer shall allow his property to be inspected for possible cross-connections and other unacceptable plumbing practices. These inspections shall be conducted during the District's normal business hours.
 - c. The District shall notify the Customer in writing of any cross-connection or other unacceptable plumbing practice which has been identified during the initial inspection or the periodic re-inspection.
 - d. The customer shall immediately correct any unacceptable plumbing practice on his/her premises.
 - e. The customer shall, at his/her expense, properly install, test, and maintain any backflow prevention device required by the District. Copies of all testing and maintenance records shall be provided to the District.
- IV. ENFORCEMENT:** If the customer fails to comply with the terms of this Service Agreement, the District 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 Service Agreement shall be billed to the Customer.

Customer Signature: _____

Printed Name: _____ **Date:** _____

Please fill out completely and return with a copy of your driver's license.

Special Notice

Right to Confidentiality of Personal Information

House bill 859, effective September 1, 1993, requires utility companies to notify customers of their right to confidentiality. You are hereby informed that you have the right to request that your personal information in our files be open records. Our policy is that your personal records are kept confidential unless you request in writing that they become accessible to the public.

Customer Name: _____

Date: _____

_____ Please keep my records and account information confidential.

_____ My personal information should be available to the public.

“Personal Information” as defined by this notice means an individual’s address, telephone number and social security number. If you have any questions, please contact the District at 281-367-5511.

Notifications

Would you like to receive emergency notices and delinquent notifications by e-mail, telephone or text message?

_____ YES, I would like to receive notifications. (Please specify)

_____ e-mail address _____

_____ telephone number _____

_____ text message number _____

_____ NO, I would not like to receive notifications via e-mail, telephone or text message.

Permission to Turn on Water

Date: _____

I give my permission for Municipal Operations to turn water on at the address below without anyone present. I understand that the District will not be held responsible for any damage to broken pipes, leaking pipes, etc.

Services Address _____

Signature _____ (required)

Please fill out completely and return with a copy of your driver’s license.