

# HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 368

## Minutes of Meeting August 1, 2019

The Board of Directors (the "Board") of Harris County Municipal Utility District No. 368 (the "District") met in regular session, open to the public, at 6:30 p.m. on August 1, 2019, at the District meeting place located inside the District, whereupon the roll was called of the members of the Board, to-wit:

Roy P. Lackey	President
Tiffani C. Bishop	Vice President/Investment Officer
Sharon L. Cook	Secretary
Eric Daniel	Treasurer
Allison V. Dunn	Assistant Secretary

All members of the Board were present, thus constituting a quorum. Consultants in attendance were: Mike Plunkett of Eagle Water Management, Inc. ("Eagle" or "Operator"); Kaye Townley of Municipal Accounts & Consulting, L.P. ("MAC" or "Bookkeeper"); and Laura McKenery and Andrew P. Johnson, III, attorneys, and Mirna Croon, paralegal, of Johnson Petrov LLP ("JP" or "Attorney").

The President called the meeting to order at 6:32 p.m. and in accordance with the notice posted pursuant to law, the following business was transacted:

- I. **Public Comment.** There was no public comment.
- II. **General Business.**
  - A. **District's Website.** There were no matters to report.
  - B. **Pay Bills and Estimates.** There was no action.
  - C. **Interlocal WaterWise Agreement with Harris-Galveston Subsidence District ("Interlocal Agreement").** Upon motion by Director Daniel, seconded by Director Lackey, after full discussion and with all Directors present voting aye, the Board approved the Interlocal Agreement, a copy of which is attached hereto as **Exhibit "A"**.
  - D. **Unlimited Tax Refunding Bonds, Series 2019 ("Bonds").** Mr. Johnson stated that the Bonds have closed today. The total gross savings of the Bonds amount to \$1,024,037.50 and the present value savings are \$735,757.
- III. **Operator's Report.** The President recognized Mr. Plunkett who presented to and reviewed with the Board the Operator's Report, a copy of which is attached hereto as **Exhibit "B"**. Mr. Plunkett noted that the District had 100.58% accountability for the period from

June 13, 2019 through July 14, 2019. He also noted that 80.67% of the District's water came from the surface water source with the remainder from the District's groundwater wells.

Next, Mr. Plunkett reported that the Lift Station Pump controller at Water Plant No. 1 needs to be replaced. He asked the Board to authorize a bid for the controller replacement at a cost not to exceed \$6,000.

Mr. Plunkett then stated that 40 residents have signed up for the EyeonWater app after the last month's smart water notice was distributed.

Mr. Plunkett then reviewed with the Board the Termination List, a copy of which is attached to the Operator's Report, and affirmed that all Customers on the list were at least sixty (60) days past due and had been notified in writing of their right to attend this meeting to address the Board or termination of water service would occur at any time after this meeting. He also reviewed the Collections Agency Report.

Next, upon motion by Director Cook, seconded by Director Lackey, after full discussion and with all Directors present voting aye, the Board (i) authorized a bid for the controller replacement at Water Plant No. 1 at a cost not to exceed \$6,000; (ii) authorized termination of service to customers listed on the Termination List, in accordance with provisions of the District's Rate Order; and (iii) approved the Collections Agency Report.

IV. **Engineer's Report.** Director Cook reviewed the Engineer's Report, a copy of which is attached hereto as Exhibit "C".

- A. **Extreme Event Swales to Serve Northern Point Subdivision.** All punch-list items have been completed and IDS is working to close the project.
- B. **Northern Point Stormwater Pump Station and Force Main.** Design is in progress.
- C. **Project for Potential Harris County Joint Partnership.** IDS is working to schedule a meeting with the Commissioner to discuss the project.
- D. **Bond Application No. 14.** The application has been submitted to the Texas Commission on Environmental Quality ("TCEQ"). IDS expects a TCEQ staff memo within the next month.
- E. **Detention Facilities Improvement.** The project will improve the condition of the existing stormwater facilities and should reduce future maintenance costs. This project is included in the current bond application. Once the bond application is approved, IDS will present an engineering proposal for the project.
- F. **Facilities Communication and Security.** The contractor has all equipment necessary to complete the conversion and is expecting to complete the project within the next week.

- G. Hufsmith-Kohrville Improvements. Construction of Segment 2 will be starting soon. This segment involves the relocation of the existing Water Well No. 6 collection line, which will be completed by the Segment 2 contractor. The total cost of the relocation is estimated at \$281,500 and the District is responsible for 50 percent of the portion within Harris County Right-of-Way, which is approximately \$60,000 of the estimated total cost.

The design of Segment 3 is nearly complete. Harris County is finalizing the Right-Of-Way acquisition. This segment includes the storm sewer that will accommodate the excess drainage proposed from the increased capacity of the Northern Point Pump Station improvements.

- H. Operations Committee Meeting. The meeting has been scheduled for August 20, 2019.
- I. Harris County Flood Control District ("HCFCD") Mowing Agreement. HCFCD is preparing the final agreement.
- J. Three Lakes East Section 4 Storm Sewer Closed Circuit Televising ("CCTV"). The Operator has completed the CCTV and IDS will review the videos within the next couple of weeks. According to the initial reports, the lines are clear of major blockages.
- K. Water Quality Monitoring for Water Wells Nos. 2, 3, 4, 5, and 6. The July 2019 laboratory test results for benzene, toluene, ethyl benzene, or xylene (BTEX) in Water Wells Nos. 2, 3, 4, 5, and 6 are non-detect.
- L. Water Well No. 6 Conditional Acceptance and Sampling Requirements. In accordance with the approval letter from the TCEQ, the District must collect and submit chemical samples upon contact from a TCEQ representative or within 180 days of the date of the letter (due August 14, 2019). If the samples show levels higher than the minimum secondary constituent levels, the District may be required to design and install additional treatment equipment. Additionally, there are new sampling requirements for Water Well No. 6, which can be found in the TCEQ approval letter.
- M. Water Plant No. 1 Inspection. The inspection will be conducted next year prior to a rehabilitation of WP 1.
- N. Phase 4 Sanitary Sewer Rehab. The Operator is preparing a proposal to complete the work.
- O. Sandy Stream Sewer Capacity Evaluation: Upsize Required for Dungrove Tract. There is an existing 10" sanitary sewer that runs along Sandy Stream in Three Lakes Subdivision. The sewer serves all of Three Lakes, Northpointe East, and future Braemar Village. The sewer does not have capacity to serve all of the

development and will need to be upsized prior to development of Braemar Village. IDS will prepare a cost estimate for upsizing this sanitary sewer.

- P. Lift Station Control Panel Replacements. The electrical engineering consultant is preparing a proposal to perform engineering services for the control panels. IDS is working to ensure all the District's requirements for the panels are included in the design.
- Q. Wastewater Treatment Plant ("WWTP") Rehabilitation. The on-site lift station rehabilitation work is complete. IDS will conduct an inspection of the wet well coatings prior to the end of the one-year warranty period to address any potential deficiencies in the coating.  
  
IDS is preparing preliminary plans and specifications for the WWTP rehabilitation project.
- R. Harris County Street Acceptance Status. Uretek has completed the repair of the bird bath in Willow Falls Section 4. IDS has requested Harris County approval for the project. The Stonepine Section 2 road log issues have been corrected by Harris County.
- S. Northpointe Business Park. The construction of the public utilities will begin soon. IDS will have a representative present to observe construction activities. IDS is working to have an independent appraisal performed for the public utilities for this development.
- T. Braemar Village Tract. The Developer has authorized design of the project. IDS requests authorization to advertise the project for bids.
- U. Little Woodrow's. IDS is preparing the annexation map and necessary exhibits to complete the City of Houston annexation application.
- V. 12.5-Acre Dungrove tract. The land costs have been included in the bond application. IDS is preparing a feasibility study for a potential land buyer for the undeveloped portion of the tract. This end user is considering an office/warehouse project.
- W. 12.9-Acre Tract East of Hufsmith-Kohrville. The developer has dropped his development plan because the storm sewer along Hufsmith-Kohrville does not provide enough outfall depth to serve the tract. There may be an opportunity for the District to partner with Harris County to redesign this storm sewer to allow additional outfall depth for this site.
- X. 42-Acre Favro Family Tract (West of Hufsmith-Kohrville). The Developer is reviewing options for the land plan and major thoroughfare plan. The development includes 63 single-family residential lots, 11 private estate lots, a

community center including a club, recreational land, and facilities, and a parking lot.

- Y. Riverside Construction Tract. There were no matters to report.
- Z. Stonepine HOA Splash Pad. IDS has received a request from the Stonepine HOA for a new tap for a splash pad. The splash pad is proposed to be a pass-through system, which means the water is not treated any further and is not recycled. The system can be discharged to the storm sewer. IDS will need to review the Rate Order/Drought Contingency Plan to determine if this type of facility is permitted. IDS recommend that the District place the HOA on notice that in the event of a drought, the splash pad activities would need to be suspended.

Next, upon motion by Director Lackey, seconded by Director Bishop, after full discussion and with all Directors present voting aye, the Board (i) authorized advertisement for bids for the Braemar Village Tract project; and (ii) approved the Engineer's Report.

V. Developer's Report. There was no report.

VI. Attorney's Report.

- A. Minutes of July 18, 2019 Board meeting. Upon motion by Director Dunn, seconded by Director Cook, after full discussion and with all Directors present voting aye, the Board approved the minutes of the July 18, 2019 meeting as amended.
- B. ESD Sales Tax Issue. There were no additional updates regarding this matter.

VII. Adjournment. With no additional matters before the Board, the Board adjourned the meeting at 7:25 p.m.

PASSED AND APPROVED this 15<sup>th</sup> day of August, 2019.

  
Secretary, Board of Directors

**Exhibits:**

- "A" Interlocal Agreement
- "B" Operator's Report
- "C" Engineers Report

STATE OF TEXAS           §  
COUNTY OF HARRIS       §

**INTERLOCAL AGREEMENT**

This Interlocal Agreement ("Agreement") entered into by and between the Harris-Galveston Subsidence District, a body corporate and politic under the laws of the State of Texas ("Subsidence District") and Harris County Municipal Utility District #368, also a body corporate and politic under the laws of the State of Texas ("Sponsor").

**WITNESSETH:**

**THAT WHEREAS**, the Subsidence District is the regulatory agency responsible for preventing subsidence through reduction of groundwater withdrawals, governed by Chapter 8801, Special District Local Laws Code, which specifically provides that the Subsidence District may cooperate with "any local government to establish water conservation goals, guidelines, and plans to be used within the district"; and

**WHEREAS**, the Subsidence District cannot achieve water conservation goals without the cooperation and assistance of the public water supply systems; and

**WHEREAS**, the Subsidence District has designed a program to increase water conservation through education of elementary and middle school students administered through the public schools and other water conservation program objectives and initiatives; and

**WHEREAS**, this education of elementary and middle school students, "Be a Water Detective - Learning to be WaterWise" has been tested in several area schools; and

**WHEREAS**, the plumbing retrofit devices used as part of the elementary and middle school school education program have been tested in the Harris County Municipal Utility District No. 55, jointly sponsored by that District, the Texas Water Development Board, and the Subsidence District, and have demonstrated an average savings of 1,400 gallons of water per month per kit utilized and properly installed; and

**WHEREAS**, the Sponsor is also dedicated to conserving water supplies and providing outstanding service to their customers and taxpayers; and

**WHEREAS**, the governing bodies of the Subsidence District and the Sponsor have duly authorized this Agreement; and

**WHEREAS**, this Agreement is made pursuant to Chapter 791, Tex. Gov. Code, the Interlocal Cooperation Act;

**NOW THEREFORE**, for and in consideration of the mutual promises and representations herein contained, the parties hereby agree as follows:

**I.**

**PROGRAM ADMINISTRATION**

**1.01** The Subsidence District will coordinate the Program by doing the following tasks:

(A) Purchase and distribute the school curriculum and home retrofit kits, including the teacher's guide, teaching aids, internet supporting materials, and mobile applications.

(B) Provide in-service training to teachers and provide all support functions such as slide presentations, video presentations, publications, and program outlines.

(C) Conduct an evaluation of the program, collecting and analyzing voluntarily provided evaluation forms from teachers, students, administrators and parents, and provide the evaluation results to the Sponsor.

(D) Provide information related to other water conservation program objectives and initiatives.

(E) Provide all necessary documentation to the Texas Education Agency, Texas Water Development Board, and Texas Commission on Environmental Quality.

**1.02** The Subsidence District shall provide water conservation credits as follows:

(A) The Sponsor shall receive a Certificate of Deposit water conservation credit equal to 84,000 gallons of groundwater (which equals 1,400 gallons per month for five years) for each student sponsored in the Program.

(B) The Sponsor may hold, transfer, sell, or redeem the Certificates of Deposit at any time, provided however, that the Certificates of Deposit will be honored by the District for no longer than 20 years after the date the Certificate of Deposit is issued.

(C) Redemption of the Certificate of Deposit requires the Subsidence District to increase the redeemer's groundwater allocation by the amount of the water conservation credit, provided however, that Certificates of Deposit issued beginning with the 2001-2002 school year (Series B) may only be applied



to a maximum of 30% of the permittee's total water demand. This absolute right to increase the groundwater allocation by up to 30% of the permittee's total water demand does not in any way affect the other terms and conditions of the groundwater permit and all groundwater withdrawals will be subject to the permit fees and other rules of the District in effect at the time of the permit.

**1.03** The Subsidence District shall perform all coordination activities without additional charge to the Sponsor. The Sponsor may assist in any coordination activities and may participate in any phase of the program at its own discretion.

## **II. PAYMENT**

**2.01** The sponsor agrees to sponsor the below school(s) in Klein ISD. The sponsor agrees to sponsor up to 218 students in an amount not to exceed \$8,000 during the 2019-2020 school year.

Kohrville Elementary (100%) and Blackshear Elementary (any remaining funds)

**2.02** The Sponsor hereby agrees to pay to the Subsidence District, promptly upon receipt of an invoice from the Subsidence District, the total amount due, which is equal to \$36.46 per student sponsored. The above payment shall provide sponsorship for the above listed school(s) for one year. The amount of the invoice shall be calculated using the actual enrollment in the named schools for each year of the Project.

**2.03** From time-to-time the Sponsor may seek to adjust the number of students sponsored by providing a written request to the Subsidence District, subject to the availability of schools willing to participate in the project.

**2.04** The Sponsor agrees to pay a similar amount, adjusted for the actual cost of the sponsorship kit and the number of students sponsored, each year for the term of this Agreement.

**2.05** This cost represents the sole monetary obligation of the Sponsor in exchange for and in consideration of the Subsidence District's obligations hereunder.

### **III.**

#### **TERM AND TERMINATION**

**3.01** The term of this Agreement shall be from the effective date hereof until termination of the 2019-2020 school year. This agreement may be renewed annually with written authorization of the Sponsor and approval of that authorization by the General Manager of the Subsidence District.

**3.02** The Certificates of Deposit in the Groundwater Bank shall be transferred to the custody of the Sponsor upon receipt of payment from sponsor and shall be honored by the Subsidence District for no longer than 20 years after the date the Certificate of Deposit is issued.

### **IV.**

#### **MISCELLANEOUS**

**4.01** Subsidence District is engaged as an independent contractor, and all of the services provided for herein shall be accomplished by Subsidence District in such capacity. The Sponsor will have no control or supervisory powers as to the detailed manner or method of the Subsidence District's performance of the subject matter of this Agreement. All personnel supplied or used by the Subsidence District shall be deemed employees or subcontractors of the Subsidence District and will not be considered employees, agents or subcontractors of the Sponsor for any purpose whatsoever.

**4.02** Each party to the contract is paying for the performance of the contract from current revenues and will pay for each subsequent year this agreement continues from the revenues budget for that year. The parties agree that each party is paying fair compensation for the services or products rendered.

**4.03** This Agreement merges the prior negotiations and understandings of the parties hereto and embodies the entire agreement of the parties, and there are no other agreements, assurances, conditions, covenants (expressed or implied) or other terms with respect to the Project, whether written or verbal, antecedent or contemporaneous with the execution hereof.


**4.04** The Subsidence District may not assign or delegate any portion of its performance under this Agreement without the written consent of the Sponsor.

**4.05** The Subsidence District shall remain obligated under all clauses of this Agreement that expressly

or by their nature extend beyond the expiration or termination of this Agreement, including the obligation to honor Certificates of Deposit in the Groundwater Bank as provided in Section 1.02.

**IN WITNESS WHEREOF**, the parties put their hands to this Agreement on the dates indicated below. This Agreement shall be effective on the date of the last signature hereto.

**SPONSOR**


  
\_\_\_\_\_  
By: President (Title)

ATTEST:  
  
\_\_\_\_\_  
By: Secretary  
(Title)

Date: 8-1-19

**HARRIS GALVESTON SUBSIDENCE DISTRICT**

  
\_\_\_\_\_  
By: Tina Petersen, Deputy General Manager

ATTEST:  
  
\_\_\_\_\_  
By: Gregory M. Ellis, General Counsel

Date: 6/21/2019



P.O BOX 11750  
SPRING, TEXAS 77391-1750  
281-374-8989

## OPERATIONS REPORT

For

HARRIS COUNTY MUD #368

AUGUST 1, 2019  
BOARD MEETING

**MONTHLY ACTIVITY REPORT**  
**FOR**  
**HARRIS COUNTY MUNICIPAL UTILITY DISTRICT # 368**

**COLLECTIONS DATE RANGE:** June 21, 2019 thru July 19, 2019

<b>Water Collections:</b>	<b>\$ <u>81,971.26</u></b>
<b>Sewer Collections:</b>	<b><u>156,856.37</u></b>
<b>NHCRWA Fees:</b>	<b><u>129,137.57</u></b>
<b>Security Service Fees</b>	<b><u>19,691.17</u></b>
<b>Late Letter Fees:</b>	<b><u>3,117.31</u></b>
<b>Penalties:</b>	<b><u>6,008.35</u></b>
<b>Deposits:</b>	<b><u>8,591.42</u></b>
<b>Transfer Fees:</b>	<b><u>1,325.00</u></b>
<b>Service Fees:</b>	<b><u>42.51</u></b>
<b>Miscellaneous:</b>	<b><u>2,415.89</u></b>
<b>Unapplied Payments/Overpayments:</b>	<b><u>2,684.54</u></b>

**TOTAL COLLECTIONS:** **\$411,841.39**

**CURRENT BILLING DUE FOR PERIOD ENDING July 14, 2019:**

<b>Water:</b>	<b>\$ <u>78,937.25</u></b>
<b>Sewer:</b>	<b><u>161,830.76</u></b>
<b>NHCRWA Fees:</b>	<b><u>130,029.66</u></b>
<b>Security Service Fee:</b>	<b><u>16,880.00</u></b>

**TOTAL CURRENT BILLING:** **\$387,677.67**

**PREPARED BY: EAGLE WATER MANAGEMENT, INC.**

**HARRIS COUNTY MUD #368  
AUGUST 2019 MEETING**

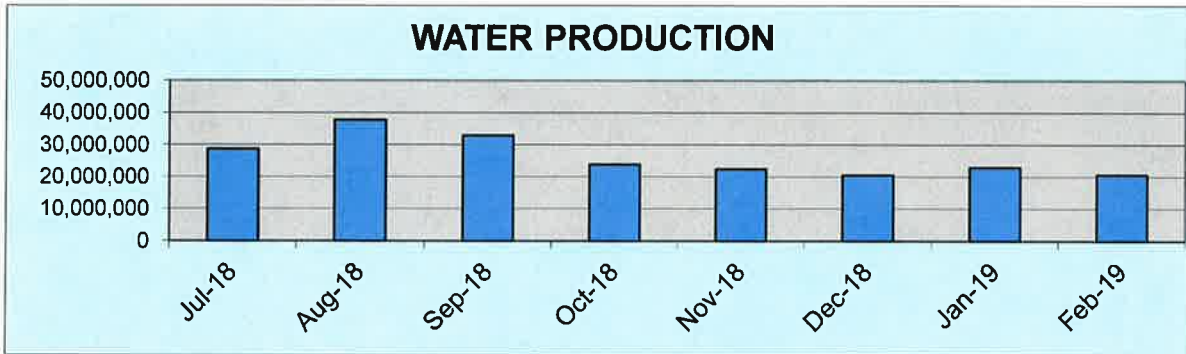
<u>Billing Period: June 13, 2019 thru July 14, 2019</u>	<u>GALLONS</u>	<u>GALLONS</u>
TOTAL WELL GALLONS PUMPED DURING BILLING CYCLE:	4,099,000	
RECEIVED FROM NHCRWA	<u>25,256,000</u>	
<b>TOTAL GALLONS PUMPED:</b>	<b>29,355,000</b>	
<b><u>WATER LOSSES</u></b>		<b><u>LOSS</u></b>
WASTE TREATMENT PLANT USAGE:		12,000
INTERCONNECT USAGE DELIVERED:		0
LINE FLUSHINGS:		0
FIRE HYDRANT FLUSHINGS:		253,050
UNAUTHORIZED CONSUMPTION: (Theft - estimate)		0
STORAGE TANK DRAINING/FLUSHING: (Overflow)		950,000
HYDROPNEUMATIC TANK REFILLS:		0
MAIN BREAKS: (Estimate)		35,000
SERVICE LINE LEAKS:		0
WATER MAIN FILLINGS:		0
FIRE HYDRANT METER RENTAL USAGE:		0
OTHER: WELL FLUSHING/BOV		62,700
<b>TOTAL WATER LOSSES FOR BILLING CYCLE:</b>		<b><u>1,312,750</u></b>
<b>TOTAL NET GALLONS PUMPED:</b>	<b><u>28,042,250</u></b>	
<b>GALLONS BILLED FOR BILLING CYCLE:</b>	<b><u>28,206,000</u></b>	
<b>PUMP TO BILL PERCENTAGE FOR BILLING CYCLE:</b>		<b><u>100.6%</u></b>
<b><u>ADDITIONAL INFORMATION:</u></b>		
<b><u>NUMBER OF CONNECTION ACCOUNTS</u></b>		
RESIDENTIAL	3,833	
COMMERCIAL	36	
APARTMENTS	0	
NON PROFIT	2	
BUILDERS	0	
IRRIGATION/OTHERS	44	
<b>TOTAL NUMBER OF ACCOUNTS:</b>	<b>3,915</b>	

EAGLE WATER MANAGEMENT, INC.

HARRIS COUNTY MUD #368

WATER PRODUCTION & ACCOUNTABILITY

MO/YR	PUMPED (MG)	BILLED (MG)	%	Four Month Average
Jul-18	28,604,750	26,737,000	93.47%	93.5%
Aug-18	37,714,675	34,283,000	90.90%	92.2%
Sep-18	32,864,205	30,329,000	92.29%	92.2%
Oct-18	23,809,400	22,953,000	96.40%	93.3%
Nov-18	22,439,500	22,507,000	100.30%	95.0%
Dec-18	20,535,400	20,377,000	99.23%	97.1%
Jan-19	22,951,500	22,080,000	96.20%	98.0%
Feb-19	20,636,400	20,687,000	100.25%	99.0%
Mar-19	18,623,000	18,844,000	101.19%	99.2%
Apr-19	24,818,600	25,205,000	101.56%	99.8%
May-19	23,133,542	23,911,000	103.36%	101.6%
Jun-19	28,907,350	30,548,000	105.68%	102.9%
Jul-19	28,042,250	28,206,000	100.58%	102.8%



**HARRIS COUNTY MUD #368**

**WATER PLANT  
MONTHLY FACILITY REPORT**

**MONTH OF JULY 2019**

**WELL #2 PUMPAGE**

Average Daily  
Maximum Daily  
Minimum Daily

**CURRENT**

138,000 gallons  
378,000 gallons  
10,000 gallons

**LAST MONTH**

58,000 gallons  
321,000 gallons  
0 gallons

**TOTAL**

**4,284,000 gallons**

**1,739,000 gallons**

**WELL #3 PUMPAGE**

Average Daily  
Maximum Daily  
Minimum Daily

**CURRENT**

18,000 gallons  
192,000 gallons  
0 gallons

**LAST MONTH**

6,000 gallons  
79,000 gallons  
0 gallons

**TOTAL**

**553,000 gallons**

**178,000 gallons**

**WELL #4 PUMPAGE**

Average Daily  
Maximum Daily  
Minimum Daily

**CURRENT**

21,000 gallons  
362,000 gallons  
0 gallons

**LAST MONTH**

6,000 gallons  
89,000 gallons  
0 gallons

**TOTAL**

**655,000 gallons**

**172,000 gallons**

**WELL #5 PUMPAGE**

Average Daily  
Maximum Daily  
Minimum Daily

**CURRENT**

5,000 gallons  
93,000 gallons  
0 gallons

**LAST MONTH**

2,000 gallons  
38,000 gallons  
0 gallons

**TOTAL**

**169,000 gallons**

**68,000 gallons**

**WELL #6 PUMPAGE**

Average Daily  
Maximum Daily  
Minimum Daily

**CURRENT**

6,000 gallons  
131,000 gallons  
0 gallons

**LAST MONTH**

3,000 gallons  
89,000 gallons  
0 gallons

**TOTAL**

**188,000 gallons**

**89,000 gallons**

**TOTAL PUMPAGE FROM WELLS**  
**TOTAL RECEIVED FROM NHCRWA**  
**TOTAL COMBINED PRODUCTION**  
**PERCENTAGE SURFACE WATER**

**5,849,000 gallons**  
**24,407,000 gallons**  
**30,256,000 gallons**  
**80.67%**

**2,246,000 gallons**  
**25,169,000 gallons**  
**27,415,000 gallons**  
**91.81%**

**PERMIT TERM:**

**SEPT 1, 2018 THRU AUGUST 31, 2019**

**YEAR TO DATE PUMPAGE THRU 2019 PERMIT TERM:**

**37,447,000 gallons**

**YEAR TO DATE RWA WATER THRU 2019 PERMIT TERM:**

**228,415,000 gallons**

**PERCENTAGE SURFACE WATER DURING PERMIT TERM**

**85.91%**

**CONDITION OF EQUIPMENT:**

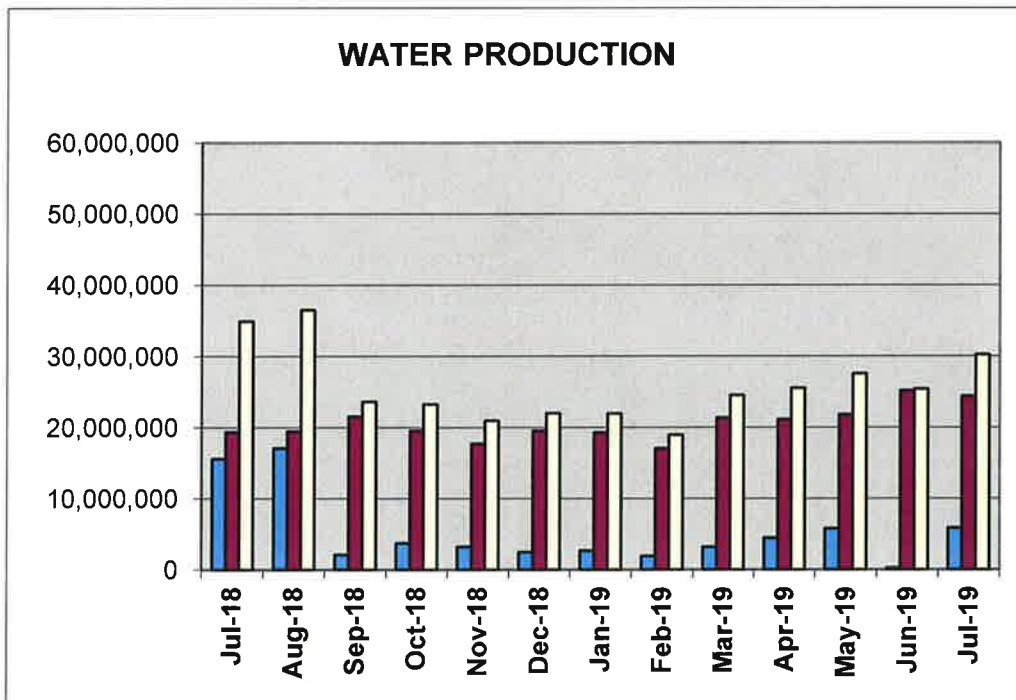
**FUTURE ANTICIPATED PROJECTS:**



HARRIS COUNTY MUNICIPAL UTILITY DISTRICT #368

WATER PRODUCTION REPORT

MONTH/YEAR	PUMPAGE	NHCRWA	TOTAL
Jul-18	15,569,000	19,351,000	34,920,000
Aug-18	17,093,000	19,418,000	36,511,000
Sep-18	2,067,000	21,527,000	23,594,000
Oct-18	3,714,000	19,517,000	23,231,000
Nov-18	3,219,000	17,713,000	20,932,000
Dec-18	2,435,000	19,531,000	21,966,000
Jan-19	2,669,000	19,251,000	21,920,000
Feb-19	1,886,000	17,034,000	18,920,000
Mar-19	3,172,000	21,345,000	24,517,000
Apr-19	4,430,000	21,107,000	25,537,000
May-19	5,760,000	21,814,000	27,574,000
Jun-19	224,000	25,169,000	25,393,000
Jul-19	5,849,000	24,407,000	30,256,000



JULY 2019

**FLOW (GPD)**

**Average Daily Flow:** 678,000 GALLONS

**Percent of Rated Capacity:** 75%

**Minimum Daily Flow:** 292,000 GALLONS

**Maximum Daily Flow:** 1,048,000 GALLONS

**TOTAL FLOW:** 21,007,000 GALLONS

**TPDES PERMIT NO.** 12044-001  
**PERMIT EXPIRATION:** 7/16/2023  
**PERMIT VIOLATIONS:** None

**SOLIDS HANDLING DATE:** \_\_\_\_\_ gallons

**CONDITION OF EQUIPMENT:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**FUTURE ANTICIPATED PROJECTS:** \_\_\_\_\_  
Replacement of underground valves and clarifier and digester sidewall repairs  
\_\_\_\_\_

**HC MUD 368  
Sludge Haul History**

Month/Year	Gallons processed	Cost/gallon	Cost
Jan-17	262,255	\$0.0425	\$11,145.84
Feb-17	0	\$0.0000	\$0.00
Mar-17	281,110	\$0.0425	\$11,947.18
Apr-17	269,777	\$0.0425	\$11,465.52
May-17	0	\$0.0000	\$0.00
Jun-17	372,652	\$0.0425	\$15,837.71
Jul-17	194,619	\$0.0425	\$8,271.31
Aug-17	0		\$0.00
Sep-17	221,601	\$0.0425	\$9,418.04
Oct-17			\$0.00
Nov-17	261,116	\$0.0425	\$11,097.43
Dec-17			\$0.00
<b>2017 Total</b>	<b>1,863,130</b>		<b>\$79,183.03</b>
Jan-18	194,407	\$0.0425	\$8,262.30
Feb-18			\$0.00
Mar-18	189,834	\$0.0425	\$8,067.95
Apr-18	222,061	\$0.0425	\$9,437.59
May-18	284,063	\$0.0425	\$12,072.68
Jun-18			\$0.00
Jul-18	218,999	\$0.0425	\$9,307.46
Aug-18	220,259	\$0.0425	\$9,361.01
Sep-18			\$0.00
Oct-18	207,317	\$0.0425	\$8,810.97
Nov-18			\$0.00
Dec-18	208,701	\$0.0425	\$8,869.79
<b>2018 Total</b>	<b>1,745,641</b>		<b>\$74,189.74</b>
Jan-19			\$0.00
Feb-19	259,206	\$0.0425	\$11,016.26
Mar-19			\$0.00
Apr-19	249,404	\$0.0425	\$10,599.67
May-19			\$0.00
Jun-19	221,502	\$0.0425	\$9,413.84
Jul-19			\$0.00
Aug-19			\$0.00
Sep-19			\$0.00
Oct-19			\$0.00
Nov-19			\$0.00
Dec-19			\$0.00
<b>2019 Total</b>	<b>730,112</b>		<b>\$31,029.76</b>

MUD 368  
COMMERCIAL SECURITY FEES

Account Name	2017	2018	19-Jun	19-Jul	19-Aug	19-Sep	19-Oct	19-Nov	19-Dec	20-Jan	20-Feb	20-Mar	20-Apr	20-May	Total
Graceview Baptist Church	\$2,400	\$4,900	\$350	\$200											\$550
100			59	47											
Waigeens	\$2,400	\$2,200	\$200	\$200											\$400
201			3	3											
Reach Unlimited (12335 White River)	\$2,550	\$2,800	\$350	\$200											\$550
300			65	47											
Houston Garden Center	\$2,400	\$2,400	\$200	\$200											\$400
410			0	0											
Chip-N-Dip (Chevron)	\$2,400	\$2,750	200	200											\$400
501			12	12											
Landmark Property (Strip Center w/ Subway)	\$6,650	\$3,550	\$200	\$200											\$400
510			47	44											
Canyon Cleaners	\$4,000	\$3,600	n/a	n/a											\$0
521			n/a	n/a											
Tower Plaza (Strip Center by Chevron)	\$2,550	\$2,400	\$200	\$200											\$400
600			26	22											
Regal Cinema Inc.	\$21,700	\$18,400	\$3,500	\$3,500											\$7,000
1222			165	170											
Khorville Elementary	\$5,500	\$5,900	\$600	\$200											\$800
140480			82	5											
Parkway Chevrolet	\$6,550	\$2,550	\$200	\$200											\$400
186910			34	38											
Kids World Day care	\$2,400	\$2,400	\$200	\$200											\$400
187230			21	18											
Valero	\$2,400	\$2,400	\$200	\$200											\$400
201330			29	28											
Barkway Pet Resort	\$5,650	\$5,700	\$600	\$600											\$1,200
202221			94	1084											
Blackhear Elementary	\$26,850	\$23,950	\$3,500	\$200											\$3,700
202561			170	47											
Texas Roadhouse	\$24,600	\$10,100	\$600	\$600											\$1,200
202770			141	142											
Fred Haas Nissan	\$7,200	\$10,100	\$600	\$600											\$1,200
203120			136	115											
Lacey Food Mart	\$2,400	\$2,400	\$200	\$200											\$400
203141			38	41											
Bahama Burcks	\$2,550	\$2,400	\$200	\$200											\$400
207320			25	25											
HMT	\$2,550	\$2,550	\$200	\$350											\$550
207810			41	55											
Adriatic Cafe	\$4,200	\$4,450	\$350	\$350											\$700
208151			60	61											
Parkway Lube Center	\$1,500	\$20,500	\$3,500	\$3,500											\$7,000
208710			208	172											
Bombshells 249	\$1,400	\$1,400	\$3,500	\$3,500											\$7,000
208950			153	154											
Totals	\$141,400	\$145,550	\$16,150	\$12,300	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$28,450

## DMR Copy of Submission

**Permit**  
**Permit ID:** TX0078433  
**Major:**  
**Permittee:** HARRIS COUNTY MUD 368  
**Facility:** HARRIS COUNTY MUD 368 WWTP  
**Permitted Feature:** 001 - External Outfall  
**Discharge:**  
**Report Dates & Status** 2929 ALLEN PKWY, STE 3150  
 HOUSTON, TX77019  
 19744 0.5 LOGAN BRIAR DR  
 HOUSTON, TX77002  
 001-A - DOMESTIC FACILITY - 001  
**Monitoring Period:** From 06/01/19 to 06/30/19  
**Status:** NetDMR Validated  
**DMR Due Date:** 07/20/19

**Considerations for Form Completion**

INTERIM 1 PHASE EFFECTIVE UPON ISSUANCE AND LASTING UNTIL THE COMPLETION OF THE 1.275 MGD FACILITIES.

**Principal Executive Officer**  
**First Name:**  
**Title:**  
**Last Name:**  
**Telephone:**  
**No Data Indicator (NODI)**  
**Form NODI:**

Parameter	Name	Quantity or Loading		Units	Quality or Concentration			Units	# of Ex.	Freq. of Analysis	Smpl. Type
		Value 1	Value 2		Value 1	Value 2	Value 3				
00300	Oxygen, dissolved [DO]				=8.1			19 - mg/L	0	01/07 - Weekly	GR - GRAB
1 - Effluent Gross											
Season:	0				>=6 MO MIN			19 - mg/L		01/07 - Weekly	GR - GRAB
NODI: -											
00400	pH				=8			12 - SU	0	02/30 - Twice Per Month	GR - GRAB
1 - Effluent Gross											



Code	Name	Value 1	Value 2	Units	Value 1	Value 2	Value 3	Units	of Ex.	Analysis	Type
NODI: -											
51040	E. coli										
1 - Effluent Gross											
Season: 0											
Req.											
NODI: -											
80082	BOD, carbonaceous [5 day, 20 C]										
1 - Effluent Gross											
Season: 0											
Req.											
NODI: -											
NODI: -											

**Submission Note**

If a Parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

**Edit Check Errors**

No errors.

**Comments**

**Attachments**

No attachments.

**Report Last Saved By**

**HARRIS COUNTY MUD 368**

User: brian.eastex@yahoo.com  
 Name: Brian Sewell  
 E-Mail: brian.eastex@yahoo.com  
 Date/Time: 2019-07-08 16:41 (Time Zone:-05:00)

**Report Last Signed By**

User: mplunkett@eaglewatermanagement.com  
 Name: Mike Plunkett  
 E-Mail: mplunkett@eaglewatermanagement.com  
 Date/Time: 2019-07-09 13:28 (Time Zone:-05:00)



August 1, 2019

Board of Directors  
Harris County Municipal Utility District No. 368  
c/o Johnson Petrov LLP  
1001 McKinney, Suite 1000  
Houston, Texas 77002-1223

Reference: District Engineer's Status Report, IDS Job No. 0456-001-MR

Members of the Board:

The status of the various projects in the District is as follows:

**GENERAL DISTRICT MATTERS**

1. Extreme Event Swales to Serve Northern Point Subdivision (0456-153-00)

All punch-list items have been completed and we are working to close the project.

2. Northern Point Stormwater Pump Station and Force Main (0456-153-01)

Design is in progress.

3. Project for Potential Harris County Joint Partnership (0456-153-02)

We are working to schedule a meeting with the Commissioner to discuss this project.

4. Bond Application No. 14 (0456-129-06)

The application is with the TCEQ for review. We have answered a few questions the TCEQ reviewer asked, and so we expect a staff memo within the next month or so.

5. Detention Facilities Improvements (0456-156-00)

The project will improve the condition of the existing stormwater facilities and should reduce future maintenance costs. This project is included in the current bond application. Once the bond application is approved, we will present an engineering proposal for the project.

6. Facilities Communication and Security (0456-001-00)

The Contractor has all equipment necessary to complete the conversion and is expecting to complete this work within the next week.



7. Hufsmith-Kohrville Improvements (0456-001-00)

Construction of Segment 2 will be starting soon. This segment involves the relocation of the existing Water Well No. 6 collection line, which will be completed by the Segment 2 contractor. The total cost of the relocation is estimated at \$281,500 and the District is responsible 50% of the portion within Harris County R.O.W., approximately \$60,000 of the estimated total cost.

Design of Segment 3 is nearly complete. Harris County is finalizing the Right-of-Way acquisition. This segment includes the storm sewer that will accommodate the excess drainage proposed from the increased capacity of the Northern Point Pump Station improvements.

8. Operations Committee Meeting (0456-001-00)

The next Operations Committee Meeting has not been scheduled. We ~~recommend Thursday, August 29<sup>th</sup>.~~ *August 20.*

9. HCFCM Mowing Agreement (0456-001-00)

Harris County Flood Control District is reviewing the information for the agreement and preparing the final agreement.

10. Three Lakes East Section 4 Storm Sewer CCTV (0456-001-00)

The Operator has completed the CCTV, and we will review the videos within the next couple weeks, but the initial reports are that the lines are clear of major blockages.

**WATER SUPPLY SYSTEM MATTERS**

11. Water Quality Monitoring for Water Well Nos. 2, 3, 4, 5, and 6 (0456-001-00)

The July 2019 laboratory test results for benzene, toluene, ethyl benzene, or xylene (BTEX) in Well No. 2, Well No. 3, Well No. 4, Well No. 5, and Well No. 6 are non-detect.

12. Water Well No. 6 Conditional Acceptance and Sampling Requirements (0456-001-00)

Per the TCEQ well approval letter, the District must collect and submit chemical samples upon contact from a TCEQ representative or within 180 days of the date of the letter (**due August 14, 2019**). If the samples show levels higher than the minimum secondary constituent levels, the District may be required to design and install additional treatment equipment. Additionally, there are new sampling requirements for Water Well No. 6, which can be found in the attached TCEQ approval letter.

13. Water Plant No. 1 Inspection (0456-200-00)

We will inspect the tanks again next year in consideration for a rehabilitation.

### **WASTEWATER TREATMENT SYSTEM MATTERS**

14. Phase 4 Sanitary Sewer Rehab (0456-138-03)

The Operator plans to present a proposal for the recommended repairs at the financial meeting.

15. Sandy Stream Sewer Upsize (0456-159-00)

There is existing 10" sanitary sewer that runs along Sandy Stream in Three Lakes Subdivision. The sewer serves all of Three Lakes, Northpointe East, Dungrove, and future Braemar Village. The sewer does not have capacity to serve all of the development and will need to be upsized prior to development of Braemar Village. We are preparing cost estimates for upsizing this sanitary sewer.

16. Lift Station Control Panel Replacements (0456-150-00)

The electrical engineering consultant is preparing a proposal to perform engineering services for the control panels. We are working to ensure all the District's requirements for the panels are included in the design.

17. Wastewater Treatment Plant Rehabilitation (0456-157-00)

The on-site lift station rehabilitation work is complete. We will conduct an inspection of the wet well coatings prior to the end of the one-year warranty period to address any potential deficiencies in the coating.

Design is in progress for the Wastewater Treatment Plant Rehabilitation project.

### **RESIDENTIAL AND COMMERCIAL DEVELOPMENT PROJECTS**

18. Harris County Street Acceptance Status (0456-001-00)

Uretek has completed the repair of the bird bath in Willow Falls Section 4. We have requested Harris County approval of the project.

The Stonepine Section 2 road log issues have been corrected by Harris County.

19. NorthPointe Center-Phase II (Santikos) (0456-001-00)

*No new activity to report.*

20. 136-Acre Finger Tract (0456-001-00)

*No new activity to report.*

21. Northpointe Business Park (0456-001-00)

*Construction of the public utilities will begin soon. We will have a representative present to observe construction activities. We are working to have an independent appraisal performed for the public utilities for this development.*

22. Braemar Village (0456-158-00)

(a.) Braemar Village WS&D (0456-158-00)

Design is in progress

(b.) Braemar Village Detention (0456-158-01)

Design is in progress

(c.) Braemar Village C&G (0456-158-02)

Design is in progress. We request authorization to advertise the project for bids.

(d.) Braemar Village Lift Station (0456-158-03)

Design is in progress.

23. Little Woodrows (0456-001-00)

We completed the annexation map and we plan to send the completed annexation application to the Attorney for review.

24. Dungrove Tract (0456-001-00)

We have included the land cost in the bond application. We are preparing a feasibility study for a potential land buyer for the undeveloped portion of the Tract. This end user is considering an office/warehouse project.

25. 12.9-Acre Tract East of Hufsmith Kohrville (0456-001-00)

*The developer has dropped this development plan, because the storm sewer along Hufsmith Kohrville does not provide enough outfall depth to serve the tract. There may be an opportunity for the District to partner with Harris County to redesign this storm sewer to allow outfall depth for this site.*

26. 42-Acre Favro Family Tract (West of Hufsmith Kohrville) (0456-001-00)

*The developer is reviewing options for the land plan and major thoroughfare plan. The development includes 63 single-family residential lots, 11 private estate lots, a community center including a club and recreational land and facilities, and a parking lot.*

27. Riverside Construction Tract (0456-001-00)

No new update from the Developer.

28. Stonepine HOA Splash Pad (0456-001-00)

We have received a request from the Stonepine HOA for a new tap for a splash pad. The splash pad is proposed to be a pass-through system, which means the water is not treated any further and is not recycled. The system can be discharged to the storm sewer. We need to review the rate order to determine if this type of facility is permitted. At the very least, we would recommend that the District place the HOA on notice, that the event of a drought, this account will be suspended.



We will be glad to answer any questions the Board may have.

Respectfully,

Matthew Carpenter, P.E.  
Vice President

IDS Engineering Group, Inc. 13430 NW Freeway, Suite 700 Houston, Texas 77040 Phone: 713-462-3178 TBPE F-002726 | TBPLS 10110700



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Engineering Group  
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Houston, Texas 77040  
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TBPE F-002726 | TBPLS 10110700

# HARRIS COUNTY M.U.D. NO. 368 DEVELOPMENT MAP

