

HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 368

Minutes of Meeting Thursday, May 2, 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 Thursday, May 2, 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. ("Operator"); Matthew Carpenter, P.E. of IDS Engineering Group ("IDS" or "Engineer"); Kay Townley of Municipal Accounts & Consulting, L.P. ("MAC" or "Bookkeeper"); Carter Dean, attorney, and Mirna Croon, paralegal, of Johnson Petrov LLP ("JP" or "Attorney"); and David Williamson of Pulte Group, Inc.

The President called the meeting to order at 6:31 p.m. and in accordance with the notice posted pursuant to law, the following business was transacted:

I. **Public Comment.** The President recognized Mr. Williamson who introduced himself. Mr. Carpenter stated that the Board agreed to proceed with the annexation of the Pulte tract after being presented with the revised financial modeling study at a previous Board meeting. IDS will provide a water and sewer capacity analysis in the next engineering report.

II. **General Business.**

- A. **District's Website.** The Board discussed possibly adding the Drinking Water Watch report to the District website. Following discussion, the Board agreed to discuss this matter at its next meeting.
- B. **Pay Bills and Estimates.** Upon motion by Director Cook, seconded by Director Lackey, after full discussion and with all Directors present voting aye, the Board approved check nos. 17078 through 17080.
- C. **Electricity Contract.** No action was taken.
- D. **Location of June meetings.** The Board agreed to hold its June 6, 2019 and June 20, 2019 Board meetings at the Eagle Office as the Church is unable to accommodate the District on those dates due to the Church related activities.

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 "A". Mr. Plunkett noted that the District had 101.6% accountability for the period from March 14, 2019 through April 14, 2019. He also noted that 87.06% of the District's water came from the surface water source with the remainder from the District's groundwater wells.

Next, Mr. Plunkett stated that the District's Drinking Water Quality Report (also known as the Consumer Confidence Report, the "CCR") will be distributed to the District's residents no later than July 1, 2019. Mr. Plunkett stated that to meet the Texas Commission on Environmental Quality requirement, the CCR will be posted on the District's website and a notice containing the URL address of the CCR will be included on the water bills.

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.

Next, upon motion by Director Cook, seconded by Director Bishop, after full discussion and with all Directors present voting aye, the Board (i) authorized distribution of CCR; (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 Operator's Report as presented.

IV. **Engineer's Report.** Mr. Carpenter presented to and reviewed with the Board the Engineer's Report, a copy of which is attached hereto as Exhibit "B".

- A. **Extreme Event Swales to Serve Northern Point Subdivision.** A final walkthrough inspection was held on February 13, 2019. IDS has provided a punch-list to the contractor and they are working to address the remaining items. The contractor will mobilize next week to complete the work authorized in Change Order No. 3.
- B. **Northern Point Stormwater Pump Station and Force Main.** IDS has completed preliminary models and calculations for the project; however, the District cannot move forward with the pump station project until Harris County completes the upsizing of the storm sewer during construction of Segment 3 of the Hufsmith-Kohrville Improvements. IDS has prepared a construction cost estimate for the project with a total estimated construction cost of \$812,500. This project is included in the current bond application.
- C. **Project for Potential Harris County Joint Partnership.** IDS has completed models based on topographic survey data and has selected areas of the street pavement in Northern Point where modifications could be made to allow better sheet flow throughout the subdivision. A cost estimate for the project is \$486,000. The project is included in the current bond application. Mr. Carpenter stated that the project should be a good candidate for potential Harris County joint funding. He also stated that IDS has prepared a concept for an extreme event overflow from the Northern Point Detention Basin to Willow Creek. A cost estimate for that project is \$200,000. The project is included in the current bond application.

- D. Detention Facilities Improvement. IDS has identified a number of repairs and improvements to be made to the District's detention facilities. A construction cost estimate for the project is \$448,000. The project should improve the condition of the existing stormwater facilities and reduce future maintenance costs. The project is included in the current bond application.
- E. Facilities Communication and Security. The contractor plans to begin ordering equipment this week and will move on site to begin the work on the motor control centers once the equipment arrives. The approved proposal for this work included a construction fee of \$12,700. IDS is working with the District's consultants to get cellular service at the facility site.
- F. 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.

Mr. Carpenter further stated that 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.

- G. Bond Issue No. 14. IDS has prepared Bond Issue No. 14 and has submitted the Bond Application Report ("BAR") to the District's consultants for review. Mr. Carter stated that JP has no additional comments to the BAR.
- H. Operations Committee Meeting. The meeting has been scheduled for May 30, 2019.
- I. Harris County Flood Control District ("HCFC") Mowing Agreement. Mr. Carpenter reported that IDS has received the standard mowing agreement from the HCFC. JP has provided comments to the Agreement, which will be sent to the HCFC.
- J. Water Quality Monitoring for Water Wells Nos. 2, 3, 4, 5, and 6. Mr. Carpenter reported that the April 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.
- K. Water Well No. 6 Conditional Acceptance and Sampling Requirements. Mr. Carpenter stated that per the approval letter from the Texas Commission on Environmental Quality ("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.

- L. Water Plant No. 1 Inspection. The Ground Storage Tanks and Hydropneumatic Tanks at Water Plant No. 1 have been inspected. IDS is preparing an inspection report and will provide recommendations at next month's meeting.
- M. Phase 4 Sanitary Sewer Rehab. IDS has provided a list of recommended repairs and maintenance items to the Operator. The Operator is preparing a proposal to complete the work.
- N. 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.
- O. 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. The grit chamber is not functioning and requires repairs. The manufacturer, Smith & Loveless, Inc. ("S&L") is scheduled to repair the grit chamber at the WWTP. A technician will be on site next Wednesday to inspect the equipment.

- P. Harris County Street Acceptance Status. IDS has been informed that the streets within Willow Falls Section 4 have not been accepted for maintenance by Harris County. The contractor would not correct a construction issue which resulted in a "bird bath" in the street pavement. The Developer is no longer engaged in this development. To get the streets accepted by Harris County, the pavement will need to be repaired.

Uretex has been contracted to repair the pavement at a cost of \$3,900. The contractor plans to mobilize early next week to complete the project. Additionally, Pinemeade Lane and Bright Point Court in Stonepine, Section 2 are not on the Harris County Road Log. The County believes that this is an internal error and are working on resolving the issue.

- Q. Bombshells Restaurant. The construction is complete.
- R. Northpointe Business Park. The agency approvals have been received. IDS is reviewing the plans.
- S. Braemar Village Tract. This matter was discussed previously in the meeting.

- T. Little Woodrows. IDS has provided comments to the developer's plans.
- U. 12.5-Acre Dungrove tract. There were no new matters to report.
- V. 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.
- W. 42-Acre Favro Family Tract (West of Hufsmith-Kohrville). IDS is preparing a feasibility study for the development. 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.
- X. Riverside Construction Tract. IDS has been contacted by Riverside Construction regarding development of land south of Stonepine. IDS has instructed them to submit a check for the \$7500 feasibility study deposit. Once the District receives payment, IDS will begin preparing the feasibility report.

Next, upon motion by Director Cook, seconded by Director Lackey, after full discussion and with all Directors present voting aye, the Board approved the Engineer's Report.

V. **Developer's Report**. Mr. Williamson reported that Pulte anticipates to finalize purchase of the Braamer Village tract by May 31, 2019.

VI. **Attorney's Report**.

- A. ESD Sales Tax Issues. Mr. Dean reported that the Harris County Emergency Services Department No. 16 may be willing to meet with the District representatives next week to discuss the sales tax matters.
- B. Minutes of April 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 April 18, 2019 Board meeting as amended.

VII. **Adjournment**. With no additional matters before the Board, the Board adjourned the meeting at 7:30 p.m.

PASSED AND APPROVED this 16th day of may, 2019.


Secretary, Board of Directors

Exhibits:

"A" Operator's Report
"B" Engineers Report



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

OPERATIONS REPORT

For

HARRIS COUNTY MUD #368

**MAY 2, 2019
BOARD MEETING**

MONTHLY ACTIVITY REPORT
FOR
HARRIS COUNTY MUNICIPAL UTILITY DISTRICT # 368

COLLECTIONS DATE RANGE: March 21, 2019 thru April 19, 2019

Water Collections:	\$ <u>69,475.29</u>
Sewer Collections:	<u>156,252.09</u>
NHCRWA Fees:	<u>74,331.15</u>
Security Service Fees	<u>10,675.85</u>
Late Letter Fees:	<u>3,293.37</u>
Penalties:	<u>5,402.19</u>
Deposits:	<u>5,804.81</u>
Transfer Fees:	<u>750.00</u>
Miscellaneous:	<u>3,710.56</u>
Unapplied Payments/Overpayments:	<u>2,313.80</u>

TOTAL COLLECTIONS:

\$332,039.11

CURRENT BILLING DUE FOR PERIOD ENDING April 14, 2019:

Water:	\$ <u>74,868.75</u>
Sewer:	<u>161,529.07</u>
NHCRWA Fees:	<u>103,844.60</u>
Security Service Fee:	<u>20,930.00</u>

TOTAL CURRENT BILLING:

\$361,172.42

PREPARED BY: EAGLE WATER MANAGEMENT, INC.

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

<u>Billing Period: March 14, 2019 thru April 14, 2019</u>	<u>GALLONS</u>	<u>GALLONS</u>
TOTAL WELL GALLONS PUMPED DURING BILLING CYCLE:	2,998,000	
RECEIVED FROM NHCRWA	<u>22,795,000</u>	
<u>TOTAL GALLONS PUMPED:</u>	<u>25,793,000</u>	
<u>WATER LOSSES</u>		<u>LOSS</u>
WASTE TREATMENT PLANT USAGE:		10,000
INTERCONNECT USAGE DELIVERED:		0
LINE FLUSHINGS:		0
FIRE HYDRANT FLUSHINGS:		32,400
UNAUTHORIZED CONSUMPTION: (Theft - estimate)		0
STORAGE TANK DRAINING/FLUSHING: (Overflow)		791,000
HYDROPNEUMATIC TANK REFILLS:		0
MAIN BREAKS: (Estimate)		0
SERVICE LINE LEAKS:		0
WATER MAIN FILLINGS:		0
FIRE HYDRANT METER RENTAL USAGE:		0
OTHER: WELL FLUSHING		141,000
<u>TOTAL WATER LOSSES FOR BILLING CYCLE:</u>		<u>974,400</u>
<u>TOTAL NET GALLONS PUMPED:</u>	<u>24,818,600</u>	
<u>GALLONS BILLED FOR BILLING CYCLE:</u>	<u>25,205,000</u>	
<u>PUMP TO BILL PERCENTAGE FOR BILLING CYCLE:</u>		<u>101.6%</u>
<u>ADDITIONAL INFORMATION:</u>		
<u>NUMBER OF CONNECTION ACCOUNTS</u>		
RESIDENTIAL	3,831	
COMMERCIAL	36	
APARTMENTS	0	
NON PROFIT	2	
BUILDERS	0	
IRRIGATION/OTHERS	44	
<u>TOTAL NUMBER OF ACCOUNTS:</u>	<u>3,913</u>	

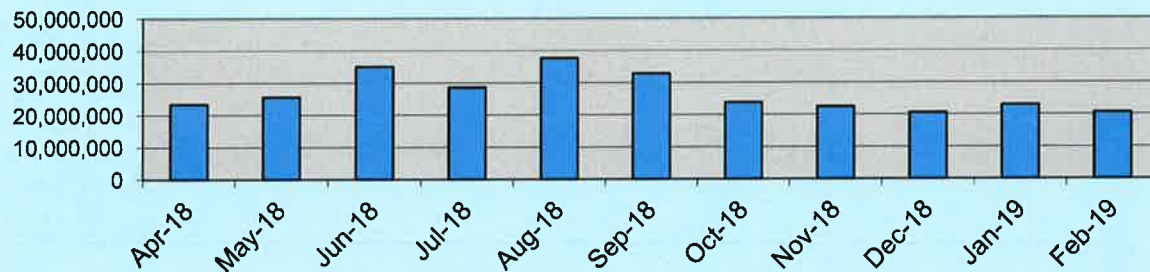
EAGLE WATER MANAGEMENT, INC.

HARRIS COUNTY MUD #368

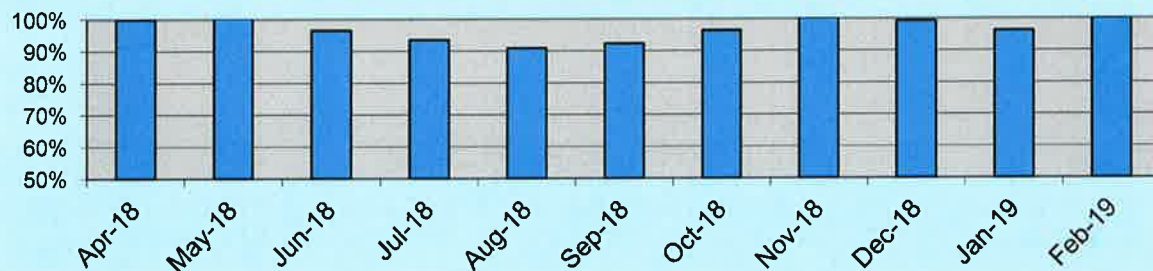
WATER PRODUCTION & ACCOUNTABILITY

MO/YR	PUMPED (MG)	BILLED (MG)	%	Four Month Average
Apr-18	23,414,000	23,385,000	99.88%	97.1%
May-18	25,684,800	26,005,000	101.25%	100.6%
Jun-18	35,098,050	33,849,000	96.44%	99.2%
Jul-18	28,604,750	26,737,000	93.47%	97.8%
Aug-18	37,714,675	34,283,000	90.90%	95.5%
Sep-18	32,864,205	30,329,000	92.29%	93.3%
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%

WATER PRODUCTION



WATER ACCOUNTABILITY



HARRIS COUNTY MUD #368

WATER PLANT MONTHLY FACILITY REPORT

MONTH OF APRIL 2019

WELL #2 PUMPAGE

Average Daily
Maximum Daily
Minimum Daily

TOTAL

CURRENT

24,000 gallons
261,000 gallons
0 gallons
714,000 gallons

LAST MONTH

72,000 gallons
319,000 gallons
0 gallons
2,231,000 gallons

WELL #3 PUMPAGE

Average Daily
Maximum Daily
Minimum Daily

TOTAL

CURRENT

91,000 gallons
419,000 gallons
0 gallons
2,722,000 gallons

LAST MONTH

11,000 gallons
203,000 gallons
0 gallons
333,000 gallons

WELL #4 PUMPAGE

Average Daily
Maximum Daily
Minimum Daily

TOTAL

CURRENT

15,000 gallons
186,000 gallons
0 gallons
441,000 gallons

LAST MONTH

11,000 gallons
239,000 gallons
0 gallons
352,000 gallons

WELL #5 PUMPAGE

Average Daily
Maximum Daily
Minimum Daily

TOTAL

CURRENT

11,000 gallons
154,000 gallons
0 gallons
326,000 gallons

LAST MONTH

5,000 gallons
74,000 gallons
0 gallons
156,000 gallons

WELL #6 PUMPAGE

Average Daily
Maximum Daily
Minimum Daily

TOTAL

CURRENT

8,000 gallons
141,000 gallons
0 gallons
227,000 gallons

LAST MONTH

3,000 gallons
100,000 gallons
0 gallons
100,000 gallons

TOTAL PUMPAGE FROM WELLS	4,430,000 gallons
TOTAL RECEIVED FROM NHCRWA	21,107,000 gallons
TOTAL COMBINED PRODUCTION	25,537,000 gallons
PERCENTAGE SURFACE WATER	82.65%

3,172,000 gallons
21,345,000 gallons
24,517,000 gallons
87.06%

PERMIT TERM:

SEPT 1, 2018 THRU AUGUST 31, 2019

YEAR TO DATE PUMPAGE THRU 2019 PERMIT TERM:

23,592,000 gallons

YEAR TO DATE RWA WATER THRU 2019 PERMIT TERM:

157,025,000 gallons

PERCENTAGE SURFACE WATER DURING PERMIT TERM

86.94%

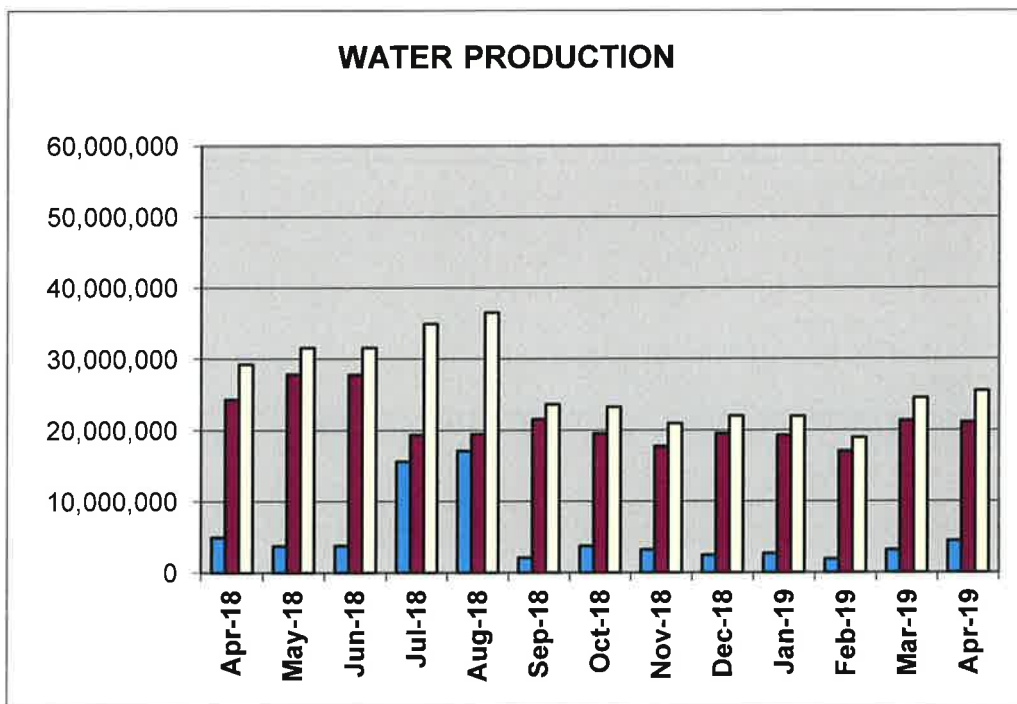
CONDITION OF EQUIPMENT:

FUTURE ANTICIPATED PROJECTS:

HARRIS COUNTY MUNICIPAL UTILITY DISTRICT #368

WATER PRODUCTION REPORT

MONTH/YEAR	PUMPAGE	NHCRWA	TOTAL
Apr-18	4,940,000	24,292,000	29,232,000
May-18	3,721,000	27,850,000	31,571,000
Jun-18	3,749,000	27,803,000	31,552,000
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



APRIL 2019

FLOW (GPD)

Average Daily Flow: 677,000 GALLONS

Percent of Rated Capacity: 75%

Minimum Daily Flow: 280,000 GALLONS

Maximum Daily Flow: 1,202,000 GALLONS

TOTAL FLOW: 20,304,000 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
2017 Total	1,863,130		\$79,183.03
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
2018 Total	1,745,641		\$74,189.74
Jan-19			\$0.00
Feb-19	259,206	\$0.0425	\$11,016.26
Mar-19			\$0.00
Apr-19			\$0.00
May-19			\$0.00
Jun-19			\$0.00
Jul-19			\$0.00
Aug-19			\$0.00
Sep-19			\$0.00
Oct-19			\$0.00
Nov-19			\$0.00
Dec-19			\$0.00
2019 Total	259,206		\$11,016.26

Account Name	2016	2017	18-Jun	18-Jul	18-Aug	18-Sep	18-Oct	18-Nov	18-Dec	19-Jan	19-Feb	19-Mar	19-Apr	18-May Total
Graceview Baptist Church	\$1,500	\$2,400	\$200	\$350	\$350	\$350	\$350	\$200	\$350	\$600	\$600	\$600	\$600	\$4,550
100			45	38	61	66	68	49	75	89	98	119	89	
Walgreens	\$1,200	\$2,400	\$200	\$200	\$0	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$2,000
201			24	22	43	32	33	37	43	28	2	3	3	
Reach Unlimited (1235 White River)	\$1,500	\$2,550	\$200	\$200	\$200	\$600	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$2,600
300			19	20	29	88	27	18	16	15	25	17	19	
Houston Garden Center	\$1,200	\$2,400	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$2,200
410			3	2	5	0	2	2	2	3	1	1	0	
Quick N Easy (Chevron)	\$1,200	\$2,400	\$200	\$200	\$200	\$200	\$200	\$200	\$350	\$200	N/A	N/A	N/A	\$1,750
500			11	14	16	16	22	21	66	44	N/A	N/A	N/A	
Chip-N-Dip									\$200	\$200	200	200	200	
501									45	26	10	13		
Landmark Property (Strip Center w/ Subway)	\$2,950	\$6,650	\$600	\$350	\$200	\$350	\$200	\$200	\$350	\$350	\$200	\$200	\$350	\$3,350
510			96	66	4	66	1	2	70	59	45	43	53	
Canyon Cleaners	\$1,800	\$4,000	\$350	\$200	\$350	\$350	\$350	\$350	\$350	\$350	\$350	\$200	\$200	\$3,400
521			60	49	55	50	55	59	50	52	50	14	0	
Tower Plaza (Strip Center by Chevron)	\$1,200	\$2,550	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$2,200
600			24	21	19	23	19	25	23	22	34	28	31	
Regal Cinema Inc.	\$10,000	\$21,700	\$600	\$3,500	\$3,500	\$600	\$200	\$600	\$600	\$3,500	\$600	\$600	\$600	\$14,900
1222			134	206	173	104	31	107	126	188	109	108	119	
Knoxville Elementary	\$3,000	\$5,500	\$350	\$200	\$200	\$600	\$600	\$600	\$600	\$350	\$600	\$600	\$600	\$5,300
140480			71	1	7	104	99	111	87	58	110	111	139	
Parway Chevrolet	\$6,000	\$6,550	\$350	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$2,350
186910			59	48	47	43	42	38	34	38	47	30	39	
Kids World Day care	\$1,200	\$2,400	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$2,200
187220			21	13	0	44	19	18	16	22	20	23		
Valero	\$1,200	\$2,400	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$2,200
201330			29	28	34	30	25	26	29	24	26	23	31	
Barway Per Resort	\$3,500	\$5,650	\$600	\$350	\$600	\$350	\$350	\$600	\$600	\$600	\$350	\$350	\$350	\$5,350
202221			111	69	112	94	70	85	93	85	53	71	79	
Blackstar Elementary	\$11,200	\$26,850	\$3,500	\$200	\$350	\$3,500	\$600	\$3,500	\$600	\$600	\$3,500	\$600	\$3,500	\$20,450
202561			165	34	70	313	105	349	146	109	183	143	198	
Texas Roadhouse	\$6,000	\$24,600	\$600	\$600	\$600	\$600	\$600	\$600	\$600	\$600	\$600	\$600	\$3,500	\$9,500
202770			132	121	141	123	119	132	135	150	145	136	151	
Fred Haas Nissan	\$6,000	\$7,200	\$600	\$600	\$600	\$600	\$600	\$600	\$600	\$600	\$600	\$600	\$3,500	\$9,500
203120			108	106	121	119	112	123	118	131	138	139	154	
Lucky Food Mart	\$1,200	\$2,400	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$2,200
203141			27	23	21	22	10	12	14	14	15	9	26	
Bahama Buds	\$1,350	\$2,550	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$2,200
207320			34	31	35	24	18	12	10	12	10	12	17	
HMT	\$1,500	\$2,550	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$350	\$200	\$200	\$200	\$2,350
207810			18	23	19	25	34	28	25	56	39	33	45	
Adriatic Cafe	\$1,100	\$4,200	\$600	\$350	\$350	\$350	\$350	\$350	\$350	\$350	\$350	\$350	\$350	\$4,100
208151			86	60	71	58	56	62	62	73	65	63	66	
Parway Lube Center	\$1,500	\$200	\$200	\$200	\$600	\$200	\$3,500	\$600	\$600	\$3,500	\$600	\$3,500	\$3,500	\$17,000
208710			43	0	110	15	680	125	141	152	142	164	187	
Bombardier 249														
208950														
Totals	\$65,800	\$141,400	\$10,550	\$9,100	\$9,700	\$10,700	\$9,900	\$10,400	\$7,950	\$13,750	\$10,350	\$10,400	\$27,000	\$0
														\$129,800

DMR Copy of Submission

Permit

Permit ID: TX0078433

Permittee: HARRIS COUNTY MUD 368

Facility: HARRIS COUNTY MUD 368 WWTP

Permitted Feature: 001 - External Outfall

Report Dates & Status

Monitoring Period: From 03/01/19 to 03/31/19

Status: NetDMR Validated

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:

No Data Indicator (NODI)

Form NODI:

Major:

Permittee Address:

Facility Location:

Discharge:

DMR Due Date:

2929 ALLEN PKWY, STE 3150
HOUSTON , TX77019
19744 0.5 LOGAN BRIAR DR
HOUSTON , TX77002
001-A - DOMESTIC FACILITY - 001
04/20/19

Parameter	NODI	Quantity or Loading			Quality or Concentration			Units	# of Ex.	Freq. of Analysis	Simpl. Type
		Value 1	Value 2	Units	Value 1	Value 2	Value 3				
00300 Oxygen, dissolved [DO]	Smpl.				=8			19 - mg/L	0	01/07 - Weekly	GR - GRAB
1 - Effluent Gross											
Season : 0	Req.				>=6 MO MIN			19 - mg/L		01/07 - Weekly	GR - GRAB
NODI: -	NODI										
00400 pH											
1 - Effluent Gross	Smpl.				=8		=8.2	12 - SU	0	02/30 - Twice Per Month	GR - GRAB

Code	Name	Value 1	Value 2	Units	Value 1	Value 2	Value 3	Units	of Ex.	Analysis	Type
Season: 0											
Req.					>=6 MINIMUM		<=9 MAXIMUM	12 - SU		02/30 - Twice Per Month	GR - GRAB
NODI: -											
00530	Solids, total suspended										
1 - Effluent Gross											
Smpl.		=29.7		26 - lb/d		=4	=15	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
Season: 0											
Req.		<=113 DAILY AV		26 - lb/d		<=15 DAILY AV	<=40 DAILY MX	19 - mg/L		01/07 - Weekly	CP - COMPOS
NODI: -											
00610	Nitrogen, ammonia total [as N]										
1 - Effluent Gross											
Smpl.		=0.6		26 - lb/d		=0.1	=0.1	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
Season: 0											
Req.		<=22 DAILY AV		26 - lb/d		<=3 DAILY AV	<=10 DAILY MX	19 - mg/L		01/07 - Weekly	CP - COMPOS
NODI: -											
01092	Zinc, total [as Zn]										
1 - Effluent Gross											
Smpl.		=0.384		26 - lb/d		=0.062	=0.076	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
Season: 0											
Req.		Req Mon DAILY AV		26 - lb/d		Req Mon DAILY AV	Req Mon DAILY MX	19 - mg/L		01/07 - Weekly	CP - COMPOS
NODI: -											
01105	Aluminum, total [as Al]										
1 - Effluent Gross											
Smpl.		=0.083		26 - lb/d		=0.013	=0.0177	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
Season: 0											
Req.		Req Mon DAILY AV		26 - lb/d		Req Mon DAILY AV	Req Mon DAILY MX	19 - mg/L		01/07 - Weekly	CP - COMPOS
NODI: -											
50050	Flow, in conduit or thru treatment plant										
1 - Effluent Gross											
Smpl.		=0.664	=1.107	03 - MGD					0	99/99 - Continuous	TM - TOTALZ
Season: 0											
Req.		<= .9 DAILY AV	Req Mon DAILY MX	03 - MGD						99/99 - Continuous	TM - TOTALZ
NODI: -											
50060	Chlorine, total residual										
1 - Effluent Gross											
Smpl.					=1.4		=3.84	19 - mg/L	0	01/01 - Daily	GR - GRAB
Season: 0											
Req.					>=1 MO MIN		<=4 MO MAX	19 - mg/L		01/01 - Daily	GR - GRAB

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											
NODI: -											
80082	BOD, carbonaceous [5 day, 20 C]										
1 - Effluent Gross											
Season: 0											
NODI: -											
Season: 0											
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: 2019-04-10 10:47 (Time Zone:-05:00)

Report Last Signed By

User: mplunkett@eaglewatermanagement.com

Name: Mike Plunkett

E-Mail: mplunkett@eaglewatermanagement.com

Date/Time: 2019-04-10 11:00 (Time Zone:-05:00)



May 2, 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

A final walkthrough inspection was held on February 13, 2019. We provided a punchlist to the contractor and they are working to address the remaining items.

The contractor will mobilize next week to complete the work authorized in Change Order No. 3. They should be nearly completed with this work by the next meeting.

2. Northern Point Stormwater Pump Station and Force Main

We have completed preliminary models and calculations for this project. Harris County will upsize the storm sewer during construction of Segment 3 of the Hufsmith Kohrville Improvements. We prepared a construction cost estimate for this project with a total estimated construction cost of \$812,500. This project is included in the current bond application. We can prepare a proposal for engineering services and begin design of the project upon the Board's request.

3. Project for Potential Harris County Joint Partnership

We have completed models based on topographic survey data and have selected areas of the street pavement where modifications could be made to allow better sheet flow throughout the subdivision. We have prepared a cost estimate for this project (\$486,000 construction estimate). This project is included in the current bond application. We believe this project is a good candidate for potential Harris County joint funding.

We have prepared a concept for an extreme event overflow from the Northern Point Detention Basin to Willow Creek. We have prepared a cost estimate for this project (\$200,000 construction estimate). This project is included in the current bond application. We believe this project is a good candidate for potential Harris County joint funding.

4. Detention Facilities Improvements

We have identified a number of repairs and improvements to be made to the District's detention facilities. We have prepared a cost estimate for this project (\$448,000 construction estimate). 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.

5. Facilities Communication and Security

The contractor plans to begin ordering equipment this week and will move on site to begin the MCC work once the equipment has arrived. The approved proposal for this work included a construction fee of \$12,700.00. We are working with the District's consultants to get cellular service at the facility sites.

6. 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 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.

7. Bond Issue No. 14

We are addressing comments of the application and will submit to TCEQ once all comments are addressed and consultants have no objections.

8. Operations Committee Meeting

The next Operations Committee Meeting has not been scheduled.

9. HCFCF Mowing Agreement

We have received the standard mowing agreement from Harris County Flood Control District and the District's Attorney is review the agreement. We will return the agreement to HCFCF with acreage and location information for the channel as well as any comments from the Attorney.

WATER SUPPLY SYSTEM MATTERS

10. Water Quality Monitoring for Water Well Nos. 2, 3, 4, 5, and 6

The April 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.

11. Water Well No. 6 Conditional Acceptance and Sampling Requirements

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.

12. Water Plant No. 1 Inspection

The Ground Storage and Hydropneumatic Tanks have been inspected. We are preparing an inspection report and will provide recommendations at the next board meeting.

WASTEWATER TREATMENT SYSTEM MATTERS

13. Phase 4 Sanitary Sewer Rehab

We have provided a list of recommended repairs and maintenance items to the Operator. They are preparing a proposal to complete this work.

14. Sandy Stream Sewer Capacity Evaluation: Upsize Required for Dungrove Tract

No new activity to report.

15. Lift Station Control Panel Replacements

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.

16. Wastewater Treatment Plant Rehabilitation

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.

We are preparing preliminary plans and specifications for the Wastewater Treatment Plant Rehabilitation project.

The manufacturer, Smith & Loveless, Inc., is scheduled to repair the grit chamber at the WWTP. A technician will be on site next Wednesday to inspect the equipment.

RESIDENTIAL AND COMMERCIAL DEVELOPMENT PROJECTS

17. **Harris County Street Acceptance Status**

We have been informed that the streets within Willow Falls Section 4 have not been accepted for maintenance. The contractor would not correct a construction issue which resulted in a "bird bath" in the street pavement, and the developer is no longer engaged in this development. In order to get the streets accepted by Harris County, the pavement will need to be repaired.

Uretek has been contracted to complete this repair for a quoted fee of \$3,900.00. The contractor plans to mobilize early next week to complete this work.

Additionally, Pinemeade Lane and Bright Point Court in Stonepine Section 2 are not on the Harris County Road Log. The County believes that this is an internal error and are working to get this issue resolved.

18. **NorthPointe Center-Phase II (Santikos)**

No new activity to report.

19. **Bombshells Restaurant**

Construction is complete.

20. **136-Acre Finger Tract**

No new activity to report.

21. **Northpointe Business Park**

The engineer has received agency approvals. We are reviewing the plans.

22. **Braemar Village Tract**

The developer has submitted payment for the feasibility study deposit. We are working on the feasibility report.

23. **Little Woodrows**

The developer's engineer has prepared plans, and we have sent them our review comments. The developer is working with the attorney to complete the annexation process.

24. 12.5-Acre Dungrove Tract

No new activity to report.

25. 12.9-Acre Tract East of Hufsmith Kohrville

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)

We are preparing the feasibility study for this development. 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

We have been contacted by Riverside Construction regarding development of land south of Stonepine. They have submitted a \$7,500 deposit and we have begun working on the feasibility study.

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

Respectfully,



Matthew Carpenter, P.E.



Kameron H. Pugh, P.E.

X:\0400\045600100 HCMUD 368 Gen Con\MR - DIST ENGR REPORTS\2019\ESR HCMUD 368 20190502.docx



13430 NW, Freeway, Suite 700
Houston, Texas 77040
Phone: 713-462-3176
TBPE F-002726 | TBPLS 10110700

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



0 750 1,500 3,000
Feet
1 inch = 1,500 feet