

# **Harris County Municipal Utility District No. 136**

## **OPERATIONS REPORT AUGUST 2009**



**HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 136  
MANAGEMENT REPORT**

**I. CONNECTIONS**

- August 8, 2009            1,083

**II. WATER PRODUCTION**

- During the calendar month of August, the wells produced 25,095,000 gallons of water.
- The 1-Month water accountability average is 95.7%.
- Maintenance and repair items in the August invoice included:
  1. Testing the well meters at both water plants and repairing the well meter register at water plant #2.
  2. Performing the annual inspections of the GSTs at water plant #1.
  3. Performing the annual exterior inspection of HPT #1 and #2 at water plant #1.
  4. Replacing the solenoid valve at water plant #1.
  5. Performing the preventive maintenance on the chlorinator, chlorine detector, chlorine analyzer, and the auxiliary engine at water plant #1.
  6. Painting over the graffiti on the fence.
- Maintenance and repair items that will be included in future invoices:
  1. Completing the repairs identified during the annual infra-red survey at water well #2.
  2. Repairing the soft start on the well motor at water plant #1.

**III. WATER DISTRIBUTION**

- Maintenance and repair items in the August invoice included:
  1. Completing the repairs identified during the semi-annual fire hydrant survey.
  2. Replacing twenty meters registering over one million gallons of usage.
  3. Completing the 2008 CCR.
  4. Repairing the 4" commercial meter at Wilson Elementary.
- Maintenance and repair items that will be included in future invoices:
  1. Performing the 2009 valve survey.

**IV. SANITARY SEWER COLLECTION**

- Maintenance and repair items in the August invoice included:
  1. Inspecting the grease traps for August 2009.
  2. Completing the repairs identified during the annual infra-red surveys at both lift stations.
  3. Performing the preventive maintenance on the RMS and auxiliary generator at lift station #1.
  4. Testing the generator under load at lift station #1.
- Maintenance and repair items that will be included in future invoices:
  1. Cleaning lift stations #1 and #2.
  2. Performing the 2009 manhole survey.

**HARRIS COUNTY MUD #136  
CONNECTIONS REPORT  
AUGUST 2009**

CONNECTIONS	AUG 08 2009	JUL 08 2009	JAN 08 2009
Occupied Single Family	1,056	1,056	1,052
Vacant Single Family	3	3	7
Multi-Family	0	0	0
Commercial	10	10	10
Builder	0	0	0
Irrigation	13	13	13
Rental Meters	0	0	0
District Meters	1	1	1
<b>TOTAL CONNECTIONS</b>	<b><u>1,083</u></b>	<b><u>1,083</u></b>	<b><u>1,083</u></b>

**METER INSTALLATIONS AND INSPECTIONS  
JUL 09 - AUG 08**

New Taps Installed . . . . .	0
Sewer Inspections Completed. . . . .	0
Builder Inspections Completed. . . . .	0
Customer Service Inspections Completed. . . . .	0
Net Rental Meter Change. . . . .	0

**Harris County MUD #136**  
**Regulatory Information**  
**August 2009**

**WASTEWATER TREATMENT**

Permitted Average Daily Flow	500,000 GPD / Jackrabbit Rd. PUD
Permit Number	WQ0011290-001
Ownership %	9.80%

**WATER SYSTEM**

Bacteriological Analysis  
The required 4 samples were taken during August-09

## TCEQ Chemical Analysis:

Metals	07/31/02
Radio-Chemicals	01/15/09
Volatile Organic Compounds (VOCs)	07/31/02
Minerals	03/04/08
Trihalomethane Gases (THMs)	06/15/05
Haloacetic Acids (HAAs)	06/15/05

**WATER PRODUCTION**

Purchased	From Harris County MUD No. 183
Sold	To
Pumped	20,583,000 at Water Plant #1
Pumped	4,512,000 at Water Plant #2
Total Supplied	25,095,000
Daily Average	809,516

**SUBSIDENCE INFORMATION**

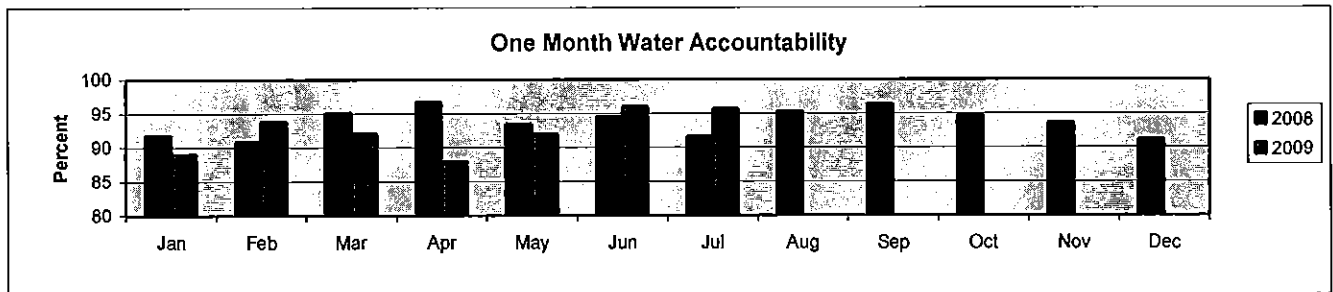
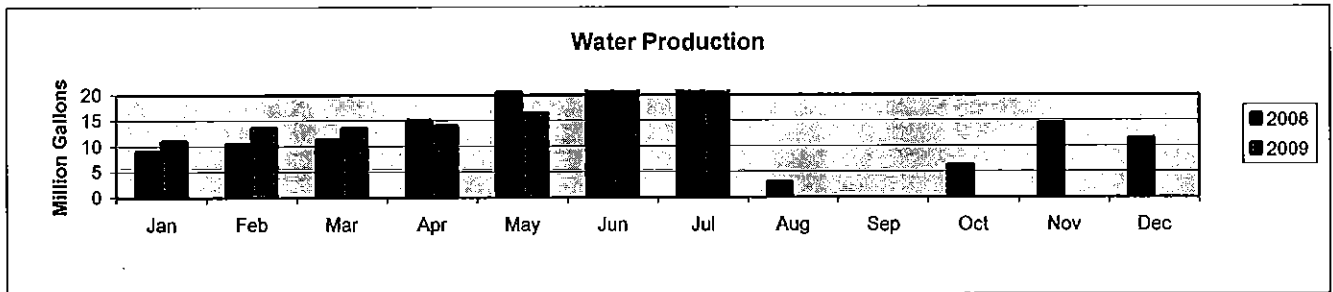
Permit Number	1855-2608
Permit Renewed	12/01/07
Permit Expires	11/30/08
Gallons Authorized	240,000,000
Cumulative Gallons Produced	154,704,000
Authorized Gallons Remaining	85,296,000
Average Gallons Per Month	17,189,333
Estimated Number of Months Available	4.96
Permit Months Remaining	3
Percent of Permitted Production	64.46

8/14- applied for permit renewal

## Harris County MUD #136

### Water Production and Accountability Report

Meter Read Date	Produced (MG)	Purchased (MG)	Billed (MG)	Sold (MG)	Unmetered (MG)	Accountability (%)	Four Month Average
01/04/08-02/01/08	9.046	0.000	8.295	0.000	0.014	91.9	92.8
02/02/08-03/05/08	10.502	0.000	9.488	0.000	0.051	90.8	91.9
03/06/08-04/02/08	11.359	0.000	10.749	0.000	0.057	95.1	92.2
04/03/08-05/02/08	15.112	0.000	14.565	0.000	0.052	96.7	93.6
05/03/08-06/02/08	20.648	0.000	19.243	0.000	0.061	93.5	94.0
06/03/08-06/30/08	22.586	0.000	21.350	0.000	0.000	94.5	95.0
07/01/08-07/29/08	22.648	0.000	20.717	0.000	0.026	91.6	94.1
07/30/08-08/27/08	2.994	14.898	17.036	0.000	0.017	95.3	93.7
08/28/08-09/26/08	0.000	18.241	17.520	0.000	0.061	96.4	94.5
09/27/08-10/27/08	6.385	10.836	16.228	0.000	0.082	94.7	94.5
10/28/08-12/01/08	14.548	0.131	13.647	0.000	0.089	93.6	95.0
12/02/08-12/31/08	11.548	0.043	10.519	0.000	0.047	91.2	94.0
01/01/09-01/30/09	11.056	0.000	9.837	0.000	0.003	89.0	92.1
01/31/09-03/03/09	13.706	0.000	12.832	0.000	0.025	93.8	91.9
03/04/09-04/01/09	13.595	0.000	12.491	0.000	0.023	92.0	91.5
04/02/09-05/04/09	14.006	1.024	13.201	0.000	0.017	87.9	90.7
05/05/09-06/01/09	16.527	0.052	15.199	0.000	0.039	91.9	91.4
06/02/09-07/01/09	22.230	7.094	28.105	0.000	0.054	96.0	92.0
07/02/09-07/31/09	26.254	0.000	25.122	0.000	0.002	95.7	92.9



**HARRIS COUNTY MUD #136**  
AUGUST 2009

**OPERATIONS CHARGES:**

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1. Operations Fees	3,537.05
2. Water Well	11,470.66
3. Water Distribution	7,690.40
4. Sanitary Sewer Collection	557.21
5. Lift Station	1,736.91
6. Storm Sewer	63.00
7. Administrative Services	1,000.00
TOTAL OPERATIONS CHARGES	<hr/> <u>\$26,055.23</u> <hr/>

**HARRIS COUNTY MUD #136**  
**CUSTOMER BILLING REPORT**  
 July 9, 2009 Through August 8, 2009

Billed Water for Billing Period = 25,121,900 Gallons

**Current Billing:**

Deposit	\$ 150.00	
Penalty	0.00	
Water	42,321.92	
Sewer	15,924.12	
Regional Water Authority	25,222.54	
Service Order	0.00	
Grease Trap Inspc.	82.50	
Ach Transmittal Fee	49.00	
Total Current Billing		\$ 83,750.08

**Aged Receivables:**

Ninety (90) Days	\$ 2,897.40	
Sixty (60) Days	1,835.98	
Thirty (30) Days	14,337.91	
Billed Arrears	19,071.29	
Credit Bal Fwd	<5,576.27>	
Total Aged Receivables		\$ 13,495.02

**Accounts Receivables:**

Deposit	\$ 350.00	
Late Charges	1,713.01	
Water	45,852.08	
Sewer	18,908.55	
Regional Water Authority	30,289.96	
Service Order	0.00	
Grease Trap Inspc.	82.50	
Ach Transmittal Fee	49.00	
Total Accounts Receivables		\$ 97,245.10

**Deposit Liability:**

Balance As Of	07/09/09	\$ 49,670.00
Collections		500.00
Adjustments		<350.00>
Balance As Of	08/08/09	\$ 49,820.00

**HARRIS COUNTY MUD #136**  
**SCHEDULED MAINTENANCE AND REPAIR TIMETABLE**  
**AUGUST 2009**

**Facility Checklist Completed:**

Water Well # 1	08/13/09
Water Well # 2	08/13/09
Lift Station # 1	08/18/09
Lift Station # 2	08/18/09

**Inspections Completed:**

Fire Hydrants	05/07/09
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**WATER WELL - DAILY PUMPAGE REPORT**  
**MONTH: AUGUST 2009**  
**HARRIS COUNTY M.U.D. NO. 136**

DATE	WELL #1	WELL HOURS	WELL #2	WELL HOURS	TOTAL PUMPAGE	Percentage based on Combined Well Capacity	Interconnect
1	419	7.4	189	9.4	608	33%	0
2	673	12.3	81	4.0	754	41%	0
3	596	10.7	203	9.9	799	44%	0
4	552	10.1	87	4.2	639	35%	0
5	668	12.2	173	8.3	841	46%	0
6	818	15.0	277	14.3	1,095	60%	0
7	723	13.3	140	6.4	863	47%	0
8	718	13.4	233	11.4	951	52%	0
9	555	9.9	92	4.4	647	35%	0
10	427	7.8	114	5.1	541	30%	0
11	664	12.0	198	10.0	862	47%	0
12	581	10.7	67	4.2	648	35%	0
13	722	13.3	0	6.0	722	40%	0
14	522	9.6	247	4.3	769	42%	0
15	1043	18.9	0	0.0	1,043	57%	0
16	614	11.5	416	20.0	1,030	56%	0
17	661	12.0	188	9.1	849	46%	0
18	693	12.6	176	8.1	869	48%	0
19	533	7.7	145	6.7	678	37%	0
20	729	15.7	96	4.7	825	45%	0
21	623	10.0	104	5.2	727	40%	0
22	529	11.0	187	8.2	716	39%	0
23	812	14.9	98	4.5	910	50%	0
24	548	10.0	0	0.0	548	30%	0
25	765	14.0	218	10.1	983	54%	0
26	857	15.9	39	1.4	896	49%	0
27	710	12.9	142	6.6	852	47%	0
28	576	10.6	120	5.3	696	38%	0
29	397	7.3	0	0.0	397	22%	0
30	1123	20.9	282	13.4	1,405	77%	0
31	732	13.5	200	9.7	932	51%	0
<b>TOTAL</b>	<b>20,583</b>	<b>377.1</b>	<b>4,512</b>	<b>214.9</b>	<b>25,095</b>		<b>0</b>

Water Well #	GPM	Min./Day	MGD
1*	973	1440	1401
2**	296	1440	426
<b>TOTAL</b>			<b>1827</b>

75% for 3 days

85% for 3 days

95% for 3 days

*\*Based on 04/30/09 well production test Water Well #1*

*\*\*Based on 04/30/09 well production test Water Well #2*

HARRIS COUNTY MUD #136  
Commercial Usage Report  
08/08/09

CUSTOMER NAME	SERVICE ADDRESS	CURRENT USAGE	PREVIOUS USAGE	Y-T-D USAGE
-----				
C - COMMERCIAL				
WALGREEN #6909	4007 BARKER CYPRESS RD	10.3	2.8	52.5
CLAY'S RESTAURANT	17717 CLAY RD	0.0	0.0	0.0
PROSPERITY BANK	17202 CLAY RD	149.3	14.5	606.9
RANDALLS #2672	18322 CLAY RD	84.4	72.1	513.4
RUSCHE DISTRIBUTING CO.	18324 CLAY ROAD	50.8	52.7	381.8
PINEFOREST COUNTRY CLUB	PINEFOREST COUNTRY	0.0	0.0	0.0
MURPHY BERNARD	5106 WINDSONG TRAIL	23.9	14.5	73.7
Deerfield Park Community	CLAY RD @ DEERFIELD PARK	538.1	717.8	3084.7
	Totals	856.8	874.4	4713.0
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D - DISTRICT				
LIFT STATION # 2	5028 WALNUT COVE-LS2	0.2	0.0	0.2
	Totals	0.2	0.0	0.2
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E - EDUCATION				
CY FAIR ISD WILSON ELEMEN	18015 KEITH HARROW	0.0	0.0	496.0
	Totals	0.0	0.0	496.0
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I - IRRIGATION				
RANDALLS #2672	18322 CLAY RD-SPR	186.3	196.2	1849.7
WALGREENS #6909	4007 BARKER CYPRESS-SPR	171.9	37.0	231.5
RUSCHE DISTRIBUTING CO.	18324 CLAY RD-SPR	8.3	2.7	30.0
DEERFIELD VLG COMM ASSN	HEATHERSAGE @ DEERFIELD-S	72.6	54.4	241.2
*VACANT*	HEATHERSAGE ESP-SPR	0.0	0.0	0.0
DEERFIELD VLG COMM ASSN	3941-1/2 HEATHERSAGE-SPR	0.0	0.0	0.4
DEERFIELD VLG COMM ASSN	DEERFIELD ENT @ CLAY-SPR#	282.1	202.0	826.3
DEERFIELD VLG COMM ASSN	DEERFIELD ENT @ CLAY-SPR#	37.5	28.4	148.2
*VACANT*	HEATHERSAGE SPR	0.0	0.0	0.0
*VACANT*	HARTWELL @ 5030-SPR	0.0	0.0	0.0
DEERFIELD VLG COMM ASSN	3901 DEERFIELD - SPR	162.2	115.6	463.2
DEERFIELD VLG COMM ASSN	DANEBRIDGE @ K HARROW-SPR	3.9	3.5	31.9
VERDANT FARMS LLC	BARKER CYPRESS-SPR	0.0	0.6	0.8
	Totals	924.8	640.4	3823.2
-----				
N - NON-PROFIT				
DEERFIELD VLG COMM ASSN	4045 DEERFIELD VLG-POOL	415.4	449.9	1420.9
	Totals	415.4	449.9	1420.9
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* * HARRIS COUNTY MUD #136 Totals * *		2197.2	1964.7	10453.3

**HARRIS COUNTY MUD NO. 136**

**PAYMENT OPTIONS**

	Teller Payment	Credit Card	Check Free	Check Phone	Western Union	Bank Draft	Total
1/8/2009	0	36	191	5	12	45	289
2/8/2009	0	28	170	2	10	46	256
3/8/2009	0	28	178	3	10	46	265
4/8/2009	0	32	200	3	10	46	291
5/8/2009	0	26	185	2	8	47	268
6/8/2009	0	31	197	3	4	47	282
7/8/2009	0	32	188	2	7	47	276
8/8/2009	0	30	182	2	5	48	267
9/8/2009							
10/8/2009							
11/8/2009							
12/8/2009							

NAME JACKRABBIT ROAD PUD  
 ADDRESS C/O SEVERN TRENT SERVICES  
 16337 PARK ROW  
 HOUSTON TX 77084

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM  
 DISCHARGE MONITORING REPORT

MINOR  
 M - INTERIM  
 DOMESTIC FACILITY-001

FACILITY JACKRABBIT RD PUD WWTP  
 LOCATION HOUSTON TX 77084  
 ATTN: ROSS BELL, SECRETARY/TRES

TX0046621 PERMIT NO.  
 001 A DISCHARGE NO.

MONITORING PERIOD  
 YR MO DAY YR MO DAY  
 FROM 09 07 01 TO 09 07 31

\*\*\* NO DISCHARGE \*\*\*  
 NOTE: Read Instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO EX	Frequency of Analysis	Simple Type	
	AVG	MAX	UNITS	MIN	AVG	MAX				UNITS
OXYGEN DISSOLVED (DO)	*****	*****	*****	7.2	*****	*****	(19)	0	5/Week	grab
00500 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	6.0	*****	*****	MG/L	0	WEEKLY	GRAB
PH	*****	*****	*****	7.05	*****	*****	(13)	0	5/Week	grab
00400 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	6.0	*****	*****	SU	0	WEEKLY	GRAB
SOLIDS TOTAL SUSPENDED	*****	*****	*****	*****	*****	*****	(19)	0	5/Week	comp
00530 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	*****	MG/L	0	WEEKLY	COMP
NITROGEN AMMONIA TOTAL (AS N)	*****	*****	*****	*****	*****	*****	(19)	0	5/Week	comp
00610 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	*****	MG/L	0	WEEKLY	COMP
FLOW, IN CONDUIT OR THRU TREATMENT PLAN	*****	*****	*****	*****	*****	*****	(78)	0	Cont	TOTALZ
50050 P 0 0 SEE COMMENTS BELOW	*****	*****	*****	*****	*****	*****	CPM	0	Cont	TOTALZ
FLOW, IN CONDUIT OR THRU TREATMENT PLAN	*****	*****	*****	*****	*****	*****	(05)	0	Cont	TOTALZ
50050 Y 0 0 ANNUAL AVERAGE	*****	*****	*****	*****	*****	*****	MGD	0	Cont	TOTALZ
FLOW, IN CONDUIT OR THRU TREATMENT PLAN	*****	*****	*****	*****	*****	*****	(03)	0	Cont	TOTALZ
50050 I 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	*****	MGD	0	Cont	TOTALZ

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 ROSS BELL  
 SECY/TREAS  
 TYPED OR PRINTED

TELEPHONE DATE  
 2815764200

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME JACKRABBIT ROAD PUD  
 ADDRESS C/O SEVERN TRENT SERVICES  
 16337 PARK ROW  
 HOUSTON TX 77084

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

DISCHARGE MONITORING REPORT  
 PERMIT NO. TX0046621  
 DISCHARGE NO. 001 A

MINOR

M - INTERIM  
 DOMESTIC FACILITY-001

FACILITY JACKRABBIT RD. PUD WWTP  
 LOCATION HOUSTON TX 77084  
 ATTN: ROSS BELL, SECRETARY/TRES

MONITORING PERIOD  
 FROM 09 07 01 TO 09 07 31

\*\*\* NO DISCHARGE \*\*\*

NOTE: Read Instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO EX	Frequency of Analysis	Sample Type
	AVG	MAX	UNITS	MIN	AVG	MAX			
CHLORINE TOTAL RESIDUAL							0	Daily	grab
50060 A 0 0								DAILY	GRAB
DISINFECT. PRCS CMPLT REQ						INST MAX			
CHLORINE TOTAL RESIDUAL							0	Daily	grab
50060 B 0 0								DAILY	GRAB
PRIOR TO DISINFECT									
E. COLI GENERAL			(13)				0	Weekly	GRAB
51040 1 0 0								W/WK	GRAB
EFFLUENT GROSS VALUE			100GVL					3/Week	comp
BOD, CARBONACEOUS							0	WEEKLY	COMP
85 DAY, 30C MEAS			(26)						
80832 1 0 0									
EFFLUENT GROSS VALUE			LBS/DY						
30DA.AVG									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 ROSS BELL  
 SECY/TREAS  
 TYPED OR PRINTED

2. Complete and accurate information is required for this discharge permit. All discharges must be reported under this permit. Any discharge not reported under this permit is a violation of the permit. The permittee is responsible for the accuracy of the information provided. The permittee is responsible for the accuracy of the information provided. The permittee is responsible for the accuracy of the information provided.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 281.5734.200  
 DATE

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)