

MISSISSIPPI STATE DEPARTMENT OF HEALTH

REPORT OF INSPECTION OF DRINKING WATER SUPPLY

PWS: 0180008 Class: B

An inspection of the <u>CITY OF HATTIESBURG</u> water supply in <u>FORREST</u> county was made on <u>05/29/2019</u>. Present at the time of inspection was <u>PAUL J HOFFER</u>, <u>OPERATOR</u>; <u>WRITER</u>. Official <u>TOBY BARKER</u> Address <u>P O BOX 1898 HATTIESBURG MS 39403</u> W.W. Operator <u>PAUL J HOFFER</u> Address <u>900 JAMES STREET HATTIESBURG MS 39401</u> No. Connections <u>19000</u> No. Meters Population Served <u>46000</u> Field Chemical Analysis: pH ___ Cl2(free) ___ Cl2(total) ___ H2S <u>N/A</u> Iron ___ Fluoride ___ Point of Sampling <u>DISTRIBUTION</u> Water Rates ___ This inspection included a sanitary survey for compliance with the Ground Water Rule.

COMMENTS

Technical: 5 Managerial: 5 Financial: 5

OVERALL CAPACITY RATING: 5.0 / 5.0

1. At the time of inspection the system appeared to be operating properly and well maintained. This system is now performing triggered monitoring. The systems sanitary survey was performed and no significant deficiencies were identified.

The pH, chlorine, and Fe readings were as follows:
Plant #1:pH-8.0,Chlorine-1.4 mg/L free,Fe-0.22, Fluoride-0.2
Plant #2:pH-8.0,Chlorine-1.36 mg/L free, Fe-0.0mg/l,Fluoride-1.0 mg/L
Wesley Tank - pH- 8.2, Chlorine-1.06 mg/L free, Fe- 0.1, Fluoride-1.1
Forrest General- Chlorine - 1.97 mg/L free, Fluoride- 0.2

The system target pH for plant #1(180008-81) is 7.87, the target pH for plant #2(180008-80) is 7.98, and the target pH for Weathersby Rd (0180008-82) is 7.6. These pH residuals were calculated based on the finished water physical and chemical analysis. These ph levels should be maintained as closely as possible.

2. At the time of inspection, the system had recently discovered problems with the fluoride feeders at plant 1 and well #20. They were in the process of investigating the issue. We recommend that these feeders be repaired to ensure even fluoride residuals throughout the city.

Page: 2 - CITY OF HATTIESBURG - Inspection Report

- 3. Well #11 and #12 are used for backup purposes only. These wells should be exercised routinely to avoid stagnant water and ensure function of the necessary equipment.
- 4. Well #12, #19, & #23 was down due to electrical problems.
- 5. Based on the well sizes at the Weathersby Plant and #20 in conjunction with the size of the rotometer on the chlorinator, we recommend that a larger rotometer be installed to allow for adjustments if needed.
- 6. As a reminder, chlorine, ph, iron, and fluoride levels should be recorded a minimum of 5 times a week at each of the iron removal plants as per the minimum operator regulations.
- 7. We recommend that all steel tanks be inspected for paint coating failure, corrosion, rust, and structural integrity five years after being painted. After five years, the tank should be inspected annually. Please note this also includes pressure tanks and tanks located at booster stations. These inspections should always be documented.
- 8. At the time of the inspection, reports indicated water loss above 40% for this Public water supply over the past year. This level of water loss means that the water supply is losing additional funds due to increased electrical, chemical, and operation and maintenance costs. It is recommended that this water supply conduct a water audit to identify and locate water loss on the system.
- 9. Chlorine vent tubes should be screened to prevent insects and debris from clogging them.
- 10. The Security Vulnerability Self-Assessment and Emergency Response Plan must be updated annually. This will be checked and counted on the capacity assessment at the time of inspection next year.
- 11. Before any improvements are made on the water system, plans and specifications by a Registered Engineer MUST be approved by the Mississippi State Department of Health prior to construction.
- 12. When repairs are made on the water distribution system, all lines affected should be properly chlorinated and flushed before they are placed back in service.
- 13. All dead end water lines should be flushed on a routine schedule to clear the lines of sediment and stagnant water. Full scale flushing should be carefully planned and carried out, beginning at the well or water plant and going to the outer edges of the distribution system. This flushing should be done during periods of low usage.
- 14. Whenever system pressure is lost, even for brief periods of time, contaminants may be introduced to the system through back-siphonage and back flow. When this occurs, system officials should notify all customers in the affected area to boil their drinking water until clear bacteriological samples have been obtained.

15. During the next inspection, we will need to check the records that you maintain in accordance with the requirements of the Safe Drinking Water Act. These records should be organized in an orderly fashion and include the following Bacteriological sample results - 5 yrs.

Other water quality analysis (nitrates, inorganics, P-Chems, fluoride, radiological, VOC's) - 10 yrs.

Lead and Copper results - 12 yrs.

Inspection Reports - 10 yrs.

Annual Reports - 3 yrs.

Operator's Logbook - 5 yrs.

Actions taken by the system to correct violations - 3 yrs.

Records concerning a variance or exemption - 5 yrs.

All other MSDH correspondence - 3 yrs.

Completed by Melissa Caldwell on 05/30/2019.

Reviewed by Ralph Hayes, P.E. on 05/30/2019.

If you have any questions, please call (601)606-4817.

pc:

TOBY BARKER, OFFICIAL PAUL J HOFFER, OPERATOR

THE STATE OF WILLIAM

Mississippi Department of Health Bureau of Public Water Supply

STANDARD FORM

FY 2019 Public Water System Capacity Assessment Form

NOTE: This form must be completed whenever a routine sanitary survey of a public water system is conducted by a

regional engineer of the Bureau of Public Water Supply	
PWS ID#: <u>0180008</u> Class: <u>B</u> Survey Date: <u>05-29-</u>	2019 County: FORREST
Public Water System: <u>CITY OF HATTIESBURG</u>	Conn: 19000
Certified Waterworks Operator: PAUL J HOFFER	Pop: <u>46000</u>

CAPACITY RATING DETERMINATION

Technical (T) Capacity Rating: [5] Managerial (M) Capacity Rating [5] Financial (F) Capacity Rating [5]

Capacity Rating = $\frac{T + M + F}{3} = \frac{15}{3} = 5$ Overall Capacity Rating = $\underline{5.0}$

Completed by Melissa Caldwell on 05/30/2019 Reviewed by Ralph Hayes, P.E. on 05/30/2019

Comments:

Technical Capacity Assessment	Point Scale	Point Award
[T1] Does the water system have any significant deficiencies? [YN]		1
[T2] 1) Was the water treatment process functioning properly? [YN] (i.e. Is pH, iron, chlorine, fluoride, etc. within acceptable range?) 2) Was needed water system equipment in place and functioning properly at the time of survey? [YN] (NOTE: Equipment deficiencies must be identified in survey report.) 3) Were records available to the regional engineer clearly showing that all water storage tanks have been inspected and cleaned or painted (if needed) within the past 5 years? [YN NA] (NOTE: All YESs required to receive point)	All Y - 1 pt. Else - 0 pt.	1
[T3] 1) Was the certified waterworks operator or his/her authorized representative present for the survey? [(Y)N] 2) Was log book up to date and properly maintained? [(Y)N] (Are minimum days being met based on system classification) 3) Was the water system properly maintained at the time of survey? [(Y)N] 4) Did operator/system personnel satisfactorily demonstrate to the regional engineer that he/she could fully perform all water quality tests required to properly operate this water system? [YN] (NOTE: All YESs required to receive point)	All Y - 1 pt. Else - 0 pt.	1
[T4] 1) Does water system routinely track water loss and were acceptable record available for review? [YN] 2) Is water system overloaded? (i.e. serving customers in excess of MSDH approved design capacity)? [YN] 3) Was there any indication that the water system is/has been experiencing pressure problems in any part(s) of the distribution system? [YN] (based on operator information, customer complaints, MSDH records, other information) 4) Are well pumping tests performed routinely? [YN NA] (NOTE: YES FOR #1 & YES OR N/A FOR #4 AND NOs FOR #2 & #3 required to receive point)	1)Y - pt. 2)N - pt. 3)N - pt. 4)Y - pt.	1
[T5] 1) Does the water system have the ability to provide water during power outages? (i.e. generator, emergency tie-ins, etc.) [YN] 2) Does the water system have a usable backup source of water? [YN]	All Y - 1 pt. Else - 0 pt.	1
TECHNICAL CAPACITY RATING = [5] (Total Points)		

PWS ID #: <u>0180008</u>

FY 2019 Public Water System Capacity Assessment Form Survey Date: <u>05-29-2019</u>

Managerial Capacity Assessment	Point Scale	Point Award
[M1] Were all SDWA required records maintained in a logical and orderly manner and available for review by the regional engineer during the survey? $[Y]N$	Y - 1pt. N - 0pt.	. 1
[M2] 1) Have acceptable written policies and procedures for operating this water system been formally adopted and were these policies available for review during the survey? [YN]2) Have all board members (in office more than 12 months) completed Board Member Training? [YN NA]3) Does the Board of Directors meet monthly and were minutes of Board meetings available for review during the survey? (NOTE: Quarterly meetings allowed if system has an officially designated full time manager) [YN NA] (NOTE: ALL YESs or NAs required to receive point. NA - Not Applicable)	All Y - 1 pt. Else - 0 pt.	1
[M3] Has the water system had any SDWA violations since the last Capacity Assessment? [YN]	N - 1pt. Y - 0pt.	1
[M4] Has the water system developed a long range improvements plan and was this plan available for review during the survey? $[Y]N$	Y - 1pt. N - 0pt.	1
[M5] 1) Does the water system have an effective cross connection control program in compliance with MSDH regulations? [YN] 2) Was a copy of the MSDH approved bacti site plan and lead/copper site plan available for review during the survey and do the bacti results clearly show that this approved plan is being followed? [YN] (NOTE: All YESs required to receive point)	All Y - 1 pt. Else - 0 pt.	1
MANAGERIAL CAPACITY RATING = [_ 5 _] (Total Points)		

Financial Capacity Assessment	Point Scale	Point Award
[F1] Has the water system raised water rates in the past 5 years? [YN] (NOTE: Point may be awarded if the water system provides acceptable financial documentation clearly showing that a rate increase is not needed, i.e. revenue has consistently exceeded expenditures by at least 10%, etc.)	Y - 1pt. N - 0pt.	1
[F2] Does the water system have an officially adopted policy requiring that water rates be routinely reviewed and adjusted as appropriate and was this policy available for review during the survey?	Y - 1pt. N - 0pt.	1
[F3] Does the water system have an officially adopted cut-off policy for customers who do not pay their water bills, was a copy of this policy available for review by the regional engineer, and do system records (cut-off lists, etc.) <u>clearly</u> show that the water system effectively implements this cut-off policy? \underbrace{YN}	Y - 1pt. N - 0pt.	1
[F4] Was a copy of the water system's officially adopted annual budget available for review by the regional engineer and does the water system's financial accounting system clearly and accurately track the expenditure and receipt of funds? YN]	Y - 1pt. N - 0pt.	1
[F5 - Municipal Systems] 1) Was a copy of the latest audit report available for review at the time of the survey? [YN] 2) Does this audit report clearly show that water and sewer fund account(s) are maintained separately from all other municipal accounts? [YN] (NOTE: Yes answer to all questions required to receive point.)		1
[F5 - Rural Systems] 1) Was the latest financial report / audit report available for review? [Y N] 2) Does the latest financial report show that receipts exceeded expenditures? [Y N] (NOTE: Yes answer to both questions required to receive point)	All Y - 1 pt. Else - 0 pt.	
FINANCIAL CAPACITY RATING = [_ 5 _] (Total Points)	AMINA .	

MISSISSIPPI DEPARTMENT OF HEALTH BUREAU OF PUBLIC WATER SUPPLY DESIGN CAPACITY SHEET

System: CITY OF HATTIESBURG

ID: 0180008 Class: B County: FORREST

Date Completed: 05/30/2019

Connections - Actual: 19000 Equivalent: 24183

Design Capacity: 45998 Percent Design Capacity: 24183/45998 = 52.6%

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Plant # 1: well capacity = 1530 + 1325 + 1697 + 1559 +1670 = 7,781gpm (updated via pump
test)
treatment capacity: aerator = 5500 gpm
         = 5 \text{ MGD} = 3470 \text{ gpm}
service pump capacity = 4000 + 4000 + 2000 + 2000 = 12,000 gpm
                                    gpm (filters) 3470*6*60= 1,249,920 gallons(useable
Plant # 1 limiting factor =
                             3470
clear well capacity
3470 + 1,249,920/200 = 9,722 (useable service pump capacity)
Design Capacity Plant 1 = 9,722 gpm
Plant # 2: well capacity = 1069 + 1245 + 1325 = 3639 gpm (updated via pump test)
treatment capacity: aerator = (?)
          = 5 \text{ MGD} = 3470 \text{ qpm}
service pump capacity = 1000 + 2000 + 2000 + 2100 = 7100 gpm
Plant # 2 limiting factor = 3470 gpm (filters) 3470*6*60= 1,249,920 gallons(useable
clear well capacity
3470 + 1,249,920/200 = 9,722 (useable service pump capacity) > 7100
Design Capacity Plant 2= 7100 gpm
Weathersby Plant
Well capacity= 3561 gpm (updated via pump test)
aerator capacity = 1500 gpm
filter capacity= 1416 (limiting factor)
clear well capacity = 42,850 gallons
service pump capacity= 1500 gpm
Design capacity for the plant = 1500 gpm
Wells #11, #12(down due to repair), #20 pump directly into the system a total of 2676 gpm
(updated via pump test)
Total capacity (wells & plants) = 9,722 + 7,100 + 1,500 + 2,676 = 20,998 gpm
Total elevated tank capacity = 5,000,000 gallons
(credit given for The tanks at USM, Weathersby, Lincoln Rd Extension, Forrest General,
and Industrial park) NOTE: the other storage for the system is part of booster stations
and are not calculated in this design. Excess elevated storage is allowed due to large
distribution mains and the existing booster stations located throughout the system.
Design Capacity = 20,998 + 5,000,000/200 = 45,998
Non metered City Buildings = 200
Equivalent Connections (apartments) = 6,696 * 2/3 = 4,464 (the number of meters serving
the apartments were not available)
Equivalent Connections = \{863,388,000/3,323,566,048\} *20,664* 0.5 = 2,684 connections
Equivalent connections (schools) = 8343 * 40qpcd/400 qpd = 835 connections
# of Connections adjusted for non residential high use and non metered units = 8,183
% Capacity = (Connections / Design Capacity) * 100
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= (24,183 / 45,998) * 100

= 53%

MISSISSIPPI STATE DEPARTMENT OF HEALTH DIVISION OF WATER SUPPLY PUBLIC WATER SUPPLY - MASTER DATA SHEET

PWS 180008 Class B

Name of Supply <u>City of Hattiesburg</u> Owner <u>City</u>

Plant 2:

Well #16

County Forrest Master Meter Some wells and pumps

Source: Purchase __ Surface __ Ground _X Number of Wells _13

Well Data:							Pump
Well #	Location	Yr Const.	Cap. Pres.	Casing	Screen	Depth	Test
180008-01	Old Plant 1, Well 2	1931		doned*******			
-02	Old Plant 1, Well 5	1931		oned*********		-	
-03	Pistol Range	1931		doned********			* *
-04	Old Plant 1, Well 1	1952		oned********			
-05	Plant 1, Well 3	1964	*******Aban	doned*******	****		
-06	Old Plant 1, Well 4	1966	*******Abande	oned*******	****		
-07	Plant 2, Well 1 (Out	t of Service) 1960	*******Ak	andoned*****	******	******	*****
-08	Plant 2, Well 2	1960		oned*******			
-09	Plant 2, Well 3 (Out	of Service) 1960		oned*******			
-10	Plant 2, Well 4	1960		oned********			
-11	USM Tank	1988	1250	20		715'	1439@55
* -12	4 th street	1988	750	20			down due to repa
-13	Plant 2, Well 5	1990	1000	20		592'	1069@20
-14	Plant 1, Well 4	1990	1500	20		355'	1530@40
-15	Plant 1, Well 5	1990	1500	20		600'	1325@45
				20		794'	
* -16	Weathersby Rd.	1990	1500		10		
-17	Lakeview Rd. (plant		2150	24	18	465'	1697@45
-18	Plant 1	2005	1500	16	10	0001	1559@45
-19	Plant 2	2006	1200	16	10	690'	
-20	Forrest General	2007	1000	16	10	827	1237@65
-21	Plant 2 (back of pla		1200				1245@20
-22	Plant 2 (front of plant		1200				1325@20
-23	Plant 2	2013	1250	16	10	660	
-24	Plant 1	2016	1500	16	12	640	1670@45
-25	Weathersby Rd.	2017	1500	16	12	820	1825@15
(Several wells	s were acquired from ot	her systems and h	ave been inactiva	ted but have N	OT been al	oandoned.	
These wells a	re NOT IN SERVICE. T	he four systems we	ere: Central - 180	0004; Hattiesbu	irg Country	Club - 18	0015;
Hattiesburg N	orth - 180019; Palmer'	s Crossing - 1800	10)				
* Indica	tes that well pumps dire	ectly into distributio	n system (does N	IOT go through	either plan	t)	
Treatment:		ning Corrosion					
		No. of units	Type	Capacit		Ren	marks
Aerator	Plant 1		Induced draft				
Horator			oke tray	COCC gpiii t	otai		
	Plant 2			1620 apm		οΎΟ	
Elach Miv	Well 16	1 Ind	uced draft	1620 gpm		9'X9'	
Flash Mix	Well 16 Plant 1	1 Ind	uced draft Infilco	1620 gpm		9'X9'	
	Well 16 Plant 1 Plant 2	1 Ind 1 1	uced draft Infilco Infilco				
	Well 16 Plant 1 Plant 2 Plant 1	1 Ind 1 1 6 0	uced draft Infilco Infilco Gravity	5 MGD total	Med	ia: anthra	
Gravity Filter	Well 16 Plant 1 Plant 2 Plant 1 Plant 2	1 Ind 1 1 6 0	uced draft Infilco Infilco Gravity Gravity	5 MGD total 2 gpm/ft ²	Med		
Gravity Filter	Well 16 Plant 1 Plant 2 Plant 1 Plant 2	1 Ind 1 1 6 0	uced draft Infilco Infilco Gravity	5 MGD total 2 gpm/ft ² eceived	Med	ia: anthra	
Flash Mix Gravity Filter Pressure Filte Chlorinator	Well 16 Plant 1 Plant 2 Plant 1 Plant 2	1 Ind 1 1 6 0 6 0	uced draft Infilco Infilco Gravity Gravity	5 MGD total 2 gpm/ft ²	Med	ia: anthra	
Gravity Filter Pressure Filte	Well 16 Plant 1 Plant 2 Plant 1 Plant 2 r Well 16	1 Ind 1 1 6 0 6 6 1	uced draft Infilco Infilco Gravity Gravity Info not yet re	5 MGD total 2 gpm/ft ² eceived	Med Me	ia: anthra	
Gravity Filter Pressure Filte Chlorinator	Well 16 Plant 1 Plant 2 Plant 1 Plant 2 r Well 16 Plant 1 Plant 2	1 Ind 1 1 6 0 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	uced draft Infilco Infilco Gravity Gravity Info not yet re Hydro Hydro	5 MGD total 2 gpm/ft ² eceived 500 @ 150 pp 500 @ 200 pp	Med Me	lia: anthra: dia: anthra	asite sand
Gravity Filter Pressure Filte Chlorinator Boo	Well 16 Plant 1 Plant 2 Plant 2 Plant 2 r Well 16 Plant 1 Plant 1 Plant 2 oster station # 1	1 Indi 1 1 6 0 6 1 H 1 1 Ecometric	uced draft Infilco Infilco Gravity Gravity Info not yet re Hydro Hydro Seriew 4000	5 MGD total 2 gpm/ft ² eceived 500 @ 150 pp 500 @ 200 pp 10 pp	Med Me	lia: anthra: dia: anthra	(not in use)
Gravity Filter Pressure Filte Chlorinator Boo	Well 16 Plant 1 Plant 2 Plant 2 r Well 16 Plant 1 Plant 1 Plant 2 r Well 16 Plant 1 Plant 2 poster station # 1 poster station # 2	1 Indi 1 1 6 0 6 1 H 1 1 Ecometric 1 Ecometric	uced draft Infilco Infilco Gravity Gravity Info not yet re Hydro Es Seriew 4000 Es Series 2000	5 MGD total 2 gpm/ft ² eceived 500 @ 150 pp 500 @ 200 pp 10 pp 100 pp	Med Me d d d @9 d @	lia: anthra: dia: anthra 5 with S/O 10 with S/O	asite sand
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Gravity Filter Pressure Filte Chlorinator Boo	Well 16 Plant 1 Plant 2 Plant 2 r Well 16 Plant 1 Plant 2 r Well 16 Plant 1 Plant 2 oster station # 1 oster station # 2 Well # 11 Well # 12	1 Indi 1 1 6 0 6 1 Indi 1 1 Ecometric 1 Hydro 4 1 Ecometric	uced draft Infilco Infilco Gravity Gravity Info not yet re Hydro Es Seriew 4000 Es Series 2000 480 w/switchover Es w/switchover	5 MGD total 2 gpm/ft² eceived 500 @ 150 pp 500 @ 200 pp 10 pp 100 pp 50 pp 50 pp	Med Me d d d @! d @! d @	lia: anthra: dia: anthra 5 with S/O 10 with S/O	(not in use)
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Gravity Filter Pressure Filte Chlorinator Boo Boo	Well 16 Plant 1 Plant 2 Plant 1 Plant 2 r Well 16 Plant 1 Plant 2 r Well 16 Plant 1 Plant 2 poster station # 1 poster station # 2 Well # 11 Well # 12 Well # 16 Well # 20 -Line booster #2	1 Indi 1 1 6 0 6 1	uced draft Infilco Infilco Gravity Gravity Info not yet re Hydro Es Seriew 4000 Es Series 2000 480 w/switchover Es w/switchover	5 MGD total 2 gpm/ft ² eceived 500 @ 150 pp 500 @ 200 pp 10 pp 100 pp 50 pp 100 pp 100 pp 100 pp 100 pp	Med d d d @3 d @ d @ d @	lia: anthra: dia: anthra 5 with S/O 10 with S/O 35 ppd	(not in use)
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Gravity Filter Pressure Filte Chlorinator Boo Boo	Well 16 Plant 1 Plant 2 Plant 1 Plant 2 r Well 16 Plant 1 Plant 2 rester station # 1 peter station # 2 Well # 11 Well # 12 Well # 16 Well # 20 -Line booster #2 Plant 1:	1 Indi 1 1 6 0 6 6 1 I I 1 Ecometric 1 Ecometric 1 Hydro 4 1 Ecometric 1 Superior w 1 Hydro 5/0 1 W&T dry feed 1 W&T dry feed	uced draft Infilco Infilco Gravity Gravity Info not yet relydro Hydro Es Seriew 4000 Es Series 2000 480 w/switchover Es w/switchover W/switchover	5 MGD total 2 gpm/ft ² eceived 500 @ 150 pp 500 @ 200 pp 10 pp 100 pp 50 pp 100 pp 100 pp 100 pp 100 pp	Med d d d @3 d @ d @ d @	lia: anthra: dia: anthra 5 with S/O 10 with S/O 35 ppd	(not in use)
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Pressure Filte Chlorinator Boo Boo	Well 16 Plant 1 Plant 2 Plant 1 Plant 2 r Well 16 Plant 1 Plant 2 r Well 4 Plant 1 Plant 2 Plant 1 Plant 2 Plant 1 Plant 2 Plant 1 Well # 11 Well # 12 Well # 16 Well # 20 -Line booster #2 Plant 1: Plant 2: Well # 11	1 Indi 1 1 6 0 6 6 1 I I 1 Ecometric 1 Ecometric 1 Hydro 4 1 Ecometric 1 Superior w 1 Hydro 5/0 1 W&T dry feed 1 W&T dry feed	uced draft Infilco Infilco Gravity Gravity Info not yet relydro Hydro Es Seriew 4000 Es Series 2000 480 w/switchover Es w/switchover W/switchover	5 MGD total 2 gpm/ft ² eceived 500 @ 150 pp 500 @ 200 pp 10 pp 100 pp 50 pp 100 pp 100 pp 100 pp 100 pp	Med d d d @3 d @ d @ d @	lia: anthra: dia: anthra 5 with S/O 10 with S/O 35 ppd	(not in use)
Pressure Filte Chlorinator Boo Boo In	Well 16 Plant 1 Plant 2 Plant 1 Plant 2 r Well 16 Plant 1 Plant 2 r Well 4 Plant 1 Plant 2 Plant 1 Plant 2 Plant 1 Plant 2 Plant 1 Plant 2 Plant 1 Well # 11 Well # 12 Well # 16 Well #20 -Line booster #2 Plant 1: Plant 2: Well # 11 Well # 11	1 Indi 1 1 6 0 6 6 1 I I 1 Ecometric 1 Ecometric 1 Hydro 4 1 Ecometric 1 Superior w 1 Hydro 5/0 1 W&T dry feed 1 W&T dry feed 1 W&T 1 W&T	uced draft Infilco Infilco Gravity Gravity Info not yet re Hydro Es Seriew 4000 Es Series 2000 480 w/switchover s w/switchover w/switchover oder for sodium sil	5 MGD total 2 gpm/ft ² eceived 500 @ 150 pp 500 @ 200 pp 10 pp 100 pp 50 pp 100 pp 100 pp 100 pp 100 pp	Med d d d @3 d @ d @ d @	lia: anthra: dia: anthra 5 with S/O 10 with S/O 35 ppd	(not in use)

1 W&T dry feeder for lime

1 Acrison dry lime feeder & 1 LMI B121-955 For Seaquest

MISSISSIPPI STATE DEPARTMENT OF HEALTH DIVISION OF WATER SUPPLY PUBLIC WATER SUPPLY - MASTER DATA SHEET

PWS 180008 Class B

Name of Supply City of Hattiesburg Owner City

County Forrest Master Meter Some wells and pumps

Source: Purchase __ Surface __ Ground X Number of Wells __17

Storage:						
Type	<u>Location</u>	<u>Material</u>	Capacity	Remarks		
Backwash (2	2) Plant 1 over filters	Concrete	50,000		capacity for plant # 1	
Ground	Plant 1		5,000,000	Clear well for pla		
Ground	Plant 2		2,500,000	Clear well for pla		
Ground	Richburg Hill booster st.		2,500,000		nd tank to elevated tank	Insp-8/18
Elevated	Richburg Hill booster st.	Steel	150,000	125' to O.F.		Insp-1/19
Elevated	USM	Steel	1,000,000	110' to O.F.		Insp- 1/19
Elevated	Wethersby Rd.	Steel	1,000,000	170.5' to O.F.		Insp-8/18
Elevated	Industrial Park	Steel	1,000,000	119' 2" to O.F	(Is also coll. tank for B.S. # 2)	Insp-8/18
Elevated	Industrial Park	Steel	500,000	132.5' to O.F.	(Storage tank for B.S. # 2)	Insp-1/19
Elevated	Lincoln Rd. Extension	Steel	500,000			Insp-1/19
Elevated	Forrest General Hospital	Steel	750,000			Insp-1/19
Elevated	Hwy 98 E (behind Mcdonalds	s) Steel	500,000			
Service Pun	nps:					
Location	No. of pumps	Capacity (gp	m) <u>F</u>	lead (ft)	Controls	
Plant 1	2	4,000 each		120		
Plant 1	2	2,000 each		120		
Plant 2	1	1,000	Variable			
Plant 2	1	2,000	Variable			
Plant 2	1	2,000 (rur	ns continually	to hold pressure at	75 to 80 psi) Variable	
Plant 2	1	2,100	Variable			
Plant 2	1	5,000	(backwash	pump)		
Well 16	2	Info n	ot received ye	et		
Booster Sta	itions:					
No.	Location Co	II. Tank	Pi	ımps Stor	age Tank	
1		00,000			50,000	
(Collector ar	nd storage tanks are the same	ones listed	above as gro	und and elevated tai	nks at Richburg Hill. The	e collecto
	some customers as well as be					
2		00,000	2 @		00,000	
(Collector ar	nd storage tanks are the same	ones listed			at Tatum Blvd. The colle	ector tank
	customers as well as being				Lucia Edwards wies	
Pumping St	tations:					
		lead	D,	emarks		
					round tank on Richburg	Lill
	starts by a timer signal, stops				TOUTIO LATIN OIT MICHBURY	1 1111.
	d Extension 2			ed tank on Lincoln F	2d Extension)	
	on Road 250 gpm			. water (NOT IN US		
s Raisto	on Road 250 gpm 10,000 gallon pres				<u> </u>	
	TU LIUU ASIIAN NES	sure tarik rei	ocated to Cla	SSIC DIIVE		
5 Hwy				llon elevated tank o	n Llung OO E	