



**GULF PARK ESTATES CCR**  
Jackson County, Mississippi  
Public Water Supply I.D. No. MS0300044

The Water We Drink - Utility Services, LLC is pleased to present our Annual Water Quality Report for the year 2015. This report is designed to inform you about the quality of your water and the services we deliver to you every day.

**Is My Water Safe?** Yes, last year your tap water met all U.S. EPA and state drinking water standards. Utility Services diligently safeguards its water supplies and once again we are proud to report that our system has not violated a maximum contaminant level (MCL) or any other drinking water quality standards.

**Do I need to take any special precautions?** Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk for infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbiological contaminants are available from the Safe Drinking Water Hotline at (800) 426-4791.

**Where does my Water come from?** The water sources for Gulf Park Estates are as follows:

|   |   |   |   |  |   |  |
|---|---|---|---|--|---|--|
| Well 0300044-01<br>Marina Dr.<br>Graham Ferry Formation | Well 0300044-02<br>Barnacle & Lake Mars<br>Passaguola Formation | Well 0300044-03<br>0521 Edgewater<br>Graham Ferry Formation | Well 0300044-08<br>North 7th Street<br>Miocene Series Aquifer | Well 0300044-07<br>Edgewater Blvd.<br>Miocene Series Aquifer | Well 0300044-06<br>Starfish<br>Miocene Series Aquifer | Well 0300044-09<br>Pac<br>Graham Ferry Formation |
|---|---|---|---|--|---|--|

**Source Water Assessment and its availability** - A Source Water Assessment Plan (SWAP) is available from the Mississippi State Department of Health for this system. This Plan is an assessment of a delineated area around our listed source through which contaminants, if present, could migrate and reach our source water. It also includes an inventory of potential sources of contamination within the delineated area, and a determination of the water supply's susceptibility to contamination by the identified potential sources.

**Why are there contaminants in my Drinking Water?** Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's (EPA) Safe Drinking Water Hotline (800-426-4791). The sources of drinking water (both tap and bottled) include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity. Microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife. Inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm water runoff, industrial, or domestic wastewater discharges, oil and gas production, mining or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses; organic chemical contaminants, including synthetic and volatile organic chemicals, which are byproducts of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems; and radioactive contaminants, which can be naturally occurring or be the result of oil and gas production, and mining activities. In order to ensure that your tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

**How can I get involved?** In order to maintain a safe and dependable water supply, we sometimes need to make improvements that will benefit all our customers. If you have a particular question about your water supply, please contact Billy Bouchillon, @ 1-855-340-0111.

**Additional Information for Lead** - If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The Gulf Park Estates Water supply is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>. The Mississippi State Department of Health Public Health Laboratory offers lead testing for \$10 per sample. Please contact (601) 576-7602 if you wish to have your water tested.

**Monitoring & Reporting of Compliance Data Violations** - We are required to monitor your drinking water for specific constituents on a monthly basis. Results of regular monitoring are an indicator of whether or not your drinking water meets health standards. During the calendar year 2015 the following violations were reported: **No violations occurred in the Calendar Year of 2015.**

Beginning January 1, 2004, the Mississippi State Department of Health (MSDH) required public water systems that use chlorine as a primary disinfectant to monitor/test for chlorine residuals as required by the Stage 1 Disinfection By-Products Rule. We did complete the monitoring requirements and found no Maximum Residual Disinfectant Level (MRDL) violations.

| Residuals | Sampling Period | Range (Low/High) | MCL RAA* | Unit | RAA Dist. | RAA Your Water | Typical Source                          |
|-----------|-----------------|------------------|----------|------|-----------|----------------|---|
| Chlorine  | Jan-Dec 2015    | 0.40 - 1.70      | 4.0      | mg/L | 2015      | 0.80           | Water additive used to control microbes |

\*RAA = Running Annual Average

**Significant Deficiencies:** During a sanitary survey conducted on 10/7/2014, MSDH cited the following significant deficiency(ies) and corrective actions:

1. Improperly constructed wall (not properly grouted): This system is currently under a Bilateral Compliance Agreement with MSDH to correct this deficiency by 6/30/2016
2. Well in flood zone (100 year): This system is currently under an Administrative order to correct this deficiency by 6/30/2016
3. Inadequate internal cleaning/maintenance of storage tanks: This system is currently under a Bilateral Compliance Agreement with MSDH to correct this deficiency by 6/30/2016.

The water system was tested a minimum of one (1) monthly sample in accordance with the Total Coliform Rule. During the monitoring period covered by this report, the following detections were noted: **There were NO positive bacteriological samples during the monitoring period of January 1st to December 31st, 2015.**

**Radionuclides - No violations were detected in the results for the Calendar Year 2015**

In the table below, we have shown the drinking water contaminants that were detected during the calendar year of this report. The presence of contaminants does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in this table is from testing done during the calendar year of this report. The EPA or the State required us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently.

| DBP Contaminants              | Sample Date | MCL | Unit | Your Water | Violation | Typical Source                            |
|-------------------------------|-------------|-----|------|------------|-----------|---|
| Trihalomethanes, Total (TTHM) | 08/09/15    | 80  | ppb  | 68         | No        | By-product of drinking water disinfection |
| Halocetic Acids, Total (HAA6) | 12/02/15    | 60  | ppb  | 47         | No        | By-product of drinking water disinfection |

**INORGANIC COMPOUNDS**

| ID   | ANALYTE NAME | METHOD | RESULT           | MCL     | DATE    |
|------|--------------|--------|------------------|---------|---------|
| 1020 | CHROMIUM     | 200.8  | 0.0006 PPM       | 0.1 PPM | 04/2015 |
| 1025 | FLUORIDE     | 300.0  | 0.5777 0.662 PPM | 4 PPM   | 04/2015 |
| 1010 | BARIUM       | 200.8  | 0.0081 PPM       | 2 PPM   | 04/2015 |
| 1026 | CHROMIUM     | 200.8  | 0.0035 PPM       | 0.1 PPM | 04/2015 |

**URANIUM RESULTS FROM MSDH LAB AND GROSS ALPHA AND RADON 226/228 FROM EEA/RADIATION SAFETY LAB**

| ID   | ANALYTE NAME                 | METHOD | RESULT   | CSU  | MCL     | DATE    |
|------|------------------------------|--------|----------|------|---------|---------|
| 4002 | GROSS ALPHA, INCL. RADON & U | 60-02  | 0.8 PCVL | 0.20 | 15 PCVL | 07/2015 |

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# Gulf Park Estates Jackson County, MS

## PWS ID NO. MS0300044

### 2015 Annual Water Report

#### DEFINITIONS

In the table below you will find many terms and abbreviations you may not be familiar with. To help you better understand these terms, we've provided the following definitions

Non-Detects (ND)- laboratory analysis indicates that the constituent is not present.

Parts per million (ppm) or Milligrams per liter (mg/L) - one part per million corresponds to one minute in two years or a single penny in \$10,000

Parts per billion (ppb) or Micrograms per liter (ug/L) - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

Positive samples/month— Number of samples taken monthly that were found to be positive.

NA—Not applicable.

NR—Monitoring not required, but recommended

Action Level (AL) - the concentration of a contaminant, that if exceeded, triggers treatment or other requirements that a water system must follow.

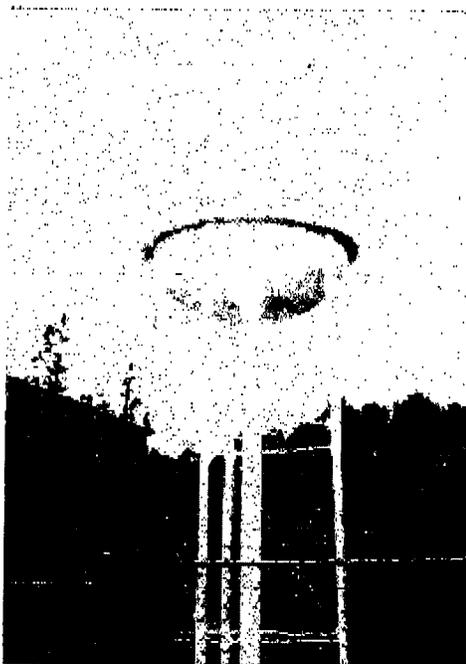
Treatment Technique (TT) - a treatment technique is a required process intended to reduce the level of a contaminant in drinking water.

Maximum contaminant level (MCL) - the "Maximum Allowed" MCL is the highest level of a contaminant that is allowed in drinking water. MCL's are set as close to the MCLG's as feasible, using the best available treatment technology.

Maximum contaminant level goal (MCLG) - the "Goal" is the level of a contaminant in drinking water below which there is no known or expected risk to human health. MCLG's allow for a margin of safety.

Maximum residual disinfectant level (MRDL) - the highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum residual disinfectant level goal (MRDLG) - The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLG's do not reflect the benefits of the use of disinfectants to control microbial contaminants or the use of disinfectants to control microbial contaminants.



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