

2012 JUN 29 AM 10:34

## BUREAU OF PUBLIC WATER SUPPLY

CALENDAR YEAR 2011 CONSUMER CONFIDENCE REPORT  
CERTIFICATION FORMSouth Sunflower Water Assn.  
Public Water Supply Name670013      670015  
List PWS ID #s for all Water Systems Covered by this CCR

The Federal Safe Drinking Water Act requires each *community* public water system to develop and distribute a consumer confidence report (CCR) to its customers each year. Depending on the population served by the public water system, this CCR must be mailed to the customers, published in a newspaper of local circulation, or provided to the customers upon request.

*Please Answer the Following Questions Regarding the Consumer Confidence Report*

- Customers were informed of availability of CCR by: *(Attach copy of publication, water bill or other)*
- Advertisement in local paper
- On water bills
- Other \_\_\_\_\_

Date customers were informed: \_\_\_/\_\_\_/\_\_\_

- CCR was distributed by mail or other direct delivery. Specify other direct delivery methods:

Date Mailed/Distributed: 6/28/12

- CCR was published in local newspaper. *(Attach copy of published CCR or proof of publication)*

Name of Newspaper: \_\_\_\_\_

Date Published: \_\_\_/\_\_\_/\_\_\_

- CCR was posted in public places. *(Attach list of locations)*

Date Posted: \_\_\_/\_\_\_/\_\_\_

- CCR was posted on a publicly accessible internet site at the address: www. \_\_\_\_\_

**CERTIFICATION**

I hereby certify that a consumer confidence report (CCR) has been distributed to the customers of this public water system in the form and manner identified above. I further certify that the information included in this CCR is true and correct and is consistent with the water quality monitoring data provided to the public water system officials by the Mississippi State Department of Health, Bureau of Public Water Supply.

Micah Nightingale / Operator  
Name/Title (President, Mayor, Owner, etc.)6/28/12  
Date

Mail Completed Form to: Bureau of Public Water Supply/P.O. Box 1700/Jackson, MS 39215  
Phone: 601-576-7518

## South Sunflower Water Association 2012 Annual Drinking Water Quality Report

We're pleased to present to you this year's Annual Water Quality Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water.

### Where do we get our water?

Our water is purchased from the towns of Inverness and Indianola, whose wells draw from the Sparta and Meridian-Upper Wilcox aquifers.

A source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply and to identify potential sources of contamination. The wells of the towns of Inverness and Indianola have received a lower to moderate general susceptibility ranking. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water system and is available

### 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 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 water) 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 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.

### Do I need to take 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 from 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 (800-426-4791).*

### Violations

#### A Message From MSDH Concerning

#### Radiological Sampling

In accordance with the Radionuclides Rule, all community public water supplies were required to sample quarterly for radionuclides beginning January 2007—December 2007. Your public water supply completed sampling by the scheduled deadline; however, during an audit of the Mississippi State Department of Health Laboratory, the Environmental Protection Agency (EPA) suspended analyses and reporting of radiological compliance samples and results until further notice. Although this was not the result of inaction by the public water supply, MSDH was required to issue a violation. This is to notify you that as of this date, your water system has not completed the monitoring requirements. The Bureau of Public Water Supply has taken action to ensure that your public water supply be returned to compliance by March 31, 2013. If you have any questions, please contact Melissa Parker, Deputy Director, Bureau of Public Water Supply, at 601.576.7518.

#### Consumer Confidence Reports

We were late mailing out our 2011 Consumer Confidence Report.

#### Indianola Customers

To comply with the "Regulation Governing Fluoridation of Community Water Supplies", the CITY OF INDIANOLA is required to report certain results pertaining to fluoridation of our water system. The number of months in the previous calendar year that average fluoride sample results were within the optimal range of 0.7-1.3 ppm was 0. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range of 0.7-1.3 ppm was 0%.

#### Inverness Customers

To comply with the "Regulation Governing Fluoridation of Community Water Supplies", the TOWN OF INVERNESS is required to report certain results pertaining to fluoridation of our water system. The number of months in the previous calendar year that average fluoride sample results were within the optimal range of 0.7-1.3 ppm was 3. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range of 0.7-1.3 ppm was 25%.

| Test Results For PWS ID #670013   |              |               |            | Water Purchased from Indianola |      |           |   |
|-----------------------------------|--------------|---------------|------------|--------------------------------|------|-----------|---|
| Contaminant (Unit of Measurement) | Date Sampled | Violation Y/N | Range      | Average                        | MCLG | MCL/AL    | Likely Source of Contamination  |
| <b>Disinfection ByProducts</b>    |              |               |            |                                |      |           |   |
| Total Trihalo-methanes (ppb)      | 2011         | No            | 3.8-7.2    |                                |      | 0 80      | By-product of drinking water chlorination   |
| Haloacetic Acids (HAA5) (ppb)     | 2011         | No            | 6.0-7.0    |                                | N/A  | 60        | By-product of drinking water disinfection   |
| Chlorine (ppm)                    | 2011         | No            | .08-1.43   | 0.3                            | N/A  | 4         | Water additive; used for microbe control  |
| <b>Inorganic Contaminants</b>     |              |               |            |                                |      |           |   |
| Barium (ppb)                      | 2010         | No            | 9.8-10.96  |                                |      | 2000 2000 | Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits                                |
| Chromium (ppb)                    | 2010         | No            | 2.7-9.8    |                                |      | 100 100   | Discharge from steel and pulp mills; erosion of natural deposits  |
| Lead (ppb)                        | 2011         | No            | 1          |                                | N/A  | AL=15     | Erosion of household plumbing; erosion of natural deposits  |
| Copper (ppm)                      | 2011         | No            | 0.5        |                                | N/A  | AL=1.3    | Corrosion of household plumbing; erosion of natural deposits; leaching from wood  |
| Fluoride (ppm)                    | 2011         | No            | 0.536-5.47 |                                |      | 4 4       | Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories |
| Test Results for PWS ID# 670015   |              |               |            | Water Purchased from Inverness |      |           |   |
| <b>Disinfection ByProducts</b>    |              |               |            |                                |      |           |   |
| Total Trihalo-methanes (ppb)      | 2011         | No            | 8.65-8.92  |                                |      | 0 80      | By-product of drinking water chlorination   |
| Haloacetic Acids (HAA5) (ppb)     | 2011         | No            | 9.0-14     |                                | N/A  | 60        | By-product of drinking water disinfection   |
| Chlorine (ppm)                    | 2011         | No            | .07-1.67   | 0.5                            | N/A  | 4         | Water additive; used for microbe control  |
| <b>Inorganic Contaminants</b>     |              |               |            |                                |      |           |   |
| Barium (ppb)                      | 2010         | No            | 0.7-1.2    |                                |      | 2000 2000 | Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits                                |
| Chromium (ppb)                    | 2010         | No            | 3.9-5.5    |                                |      | 100 100   | Discharge from steel and pulp mills; erosion of natural deposits  |
| Fluoride (ppm)                    | 2011         | No            | 0.613-1.38 |                                |      | 4 4       | Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories |
| Lead (ppb)                        | 2011         | No            | 1          |                                | N/A  | AL=15     | Erosion of household plumbing; erosion of natural deposits  |
| Copper (ppm)                      | 2011         | No            | 0.1        |                                | N/A  | AL=1.3    | Corrosion of household plumbing; erosion of natural deposits; leaching from wood preservatives                            |
| Selenium (ppb)                    | 2010         | No            | .007-.0011 | 0.009                          |      | 50 50     | Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines                          |

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**Definitions**

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

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**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. South Sunflower Water Assn. 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 601.576.7582 if you wish to have your water tested.

**Contact Us**

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**Test Results For PWS ID #670013** Water Purchased from Indianola

| Contaminant (Unit of Measurement) | Date Sampled | Violation Y/N | Range       | Average | MCLG | MCL/AL | Likely Source of Contamination  |
|-----------------------------------|--------------|---------------|-------------|---------|------|--------|---|
| <b>Disinfection ByProducts</b>    |              |               |             |         |      |        |   |
| Total Trihalo-methanes (ppb)      | 2011         | No            | 3.8-7.2     |         | 0    | 80     | By-product of drinking water chlorination   |
| Haloacetic Acids (HAAS) (ppb)     | 2011         | No            | 6.0-7.0     |         | N/A  | 60     | By-product of drinking water disinfection   |
| Chlorine (ppm)                    | 2011         | No            | .08-1.43    | 0.3     | N/A  | 4      | Water additive; used for microbe control  |
| <b>Inorganic Contaminants</b>     |              |               |             |         |      |        |   |
| Barium (ppb)                      | 2010         | No            | 9.8-10.96   |         | 2000 | 2000   | Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits                                |
| Chromium (ppb)                    | 2010         | No            | 2.7-9.8     |         | 100  | 100    | Discharge from steel and pulp mills; erosion of natural deposits  |
| Lead (ppb)                        | 2011         | No            | .0012-.0014 | 0.0013  | N/A  | AL=15  | Erosion of household plumbing; erosion of natural deposits  |
| Copper (ppm)                      | 2011         | No            | 1-.518      | 0.37    | N/A  | AL=1.3 | Corrosion of household plumbing; erosion of natural deposits; leaching from wood  |
| Fluoride (ppm)                    | 2011         | No            | 0.536-547   |         |      | 4      | Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories |

**Test Results for PWS ID# 670015** Water Purchased from Inverness

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