

2013 MAY 23 PM 3:40

MISSISSIPPI STATE DEPARTMENT OF HEALTH
BUREAU OF PUBLIC WATER SUPPLY
CCR CERTIFICATION FORM
CALENDAR YEAR 2012
OAK HARBOR PWS ID MS0230004
Public Water Supply Name

List PWS ID #s for all Community Water Systems included In this CCR

The Federal Safe Drinking Water Act (SDWA) 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 or delivered to the customers, published in a newspaper of local circulation, or provided to the customers upon request. Make sure you follow the proper procedures when distributing the CCR. Since this is the first year of electronic delivery, we request you mail or fax a hard copy of the CCR and Certification Form to MSDH. Please check all boxes that apply.

Customers were informed of availability of CCR by: *(Attach copy of publication, water bill or other)*

- Advertisement in local paper (attach copy of advertisement)
- On water bills (attach copy of bill)
- Email message (MUST Email the message to the address below)
- Other _____

Date(s) customers were informed: _____

CCR was distributed by U.S. Postal Service or other direct delivery. Must specify other direct delivery methods used _____

Date Mailed/Distributed: _____

CCR was distributed by Email (MUST Email MSDH a copy) Date Emailed: _____
As a URL (Provide URL as an attachment
As text within the body of the email message

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 following address (DIRECT URL REQUIRED):

<http://totalenvironmentalsolutions.com/Forms/OakHarborCCR.pdf>

CERTIFICATION

I hereby certify that the 2012 Consumer Confidence Report (CCR) has been distributed to the customers of this public water system in the form and manner identified above and that I used distribution methods allowed by the SDWA. 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.

Kam Ansell, Manager of Compliance



Name/Title (President, Mayor, Owner, etc.)

5/20/2013

Date

Deliver or send via U. S. Postal Service:
Bureau of Public Water Supply
P.O. Box 1700
Jackson, MS 39215

May be faxed to:
(601)576-7800

May be emailed to:
Melanie.Yanklowski@Jnsdh.state.ms.us

RECEIVED-WATER SUPPLY
2013 JUL 31 AM 9:53

CORRECTED CCR

FIRST CLASS MAIL
U.S. POSTAGE PAID
BATON ROUGE, LA
PERMIT NO. 1427

TOTAL ENVIRONMENTAL SOLUTIONS, INC.
POST OFFICE BOX 14056
BATON ROUGE, LA 70898-4056
800-866-3561



OAK HARBOR SUBDIVISION
Hancock County, MS

PWS ID NO. MS0230004

2012 ANNUAL WATER REPORT

Prepared by:
Total Environmental Solutions, Inc.
P.O. Box 14056
Baton Rouge, LA 70898-4056
(800) 372-9712

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 MCLGS 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. MCLGS 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. MRDLGS do not reflect the benefits of the use of disinfectants to control microbial contaminants.

OAK HARBOR
 Hancock County, Mississippi
 Public Water Supply I.D. No. MS0230004

The Water We Drink - Total Environmental Solutions, Inc. (TESI) is pleased to present our Annual Water Quality Report for the year 2012. 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. TESI 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 source for Oak Harbor is one (1) well located on East Miami Drive which draws its water from the Miocene Series Aquifer.

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 there are 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 pose 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 Brannan Corley @ 800-866-3561.

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 Oak Harbor 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) 576-7582 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.

Radionuclides - No violations were detected in the results for the Calendar Year 2012.

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*	Units	RAA Date	RAA Year Water	Typical Source
Chlorine	Jan-Dec 2012	0.20 / 1.04	4.0	mg/L	2012	0.60	Water additive used to control microbes

*RAA = Running Annual Average

TT Violation	Explanation	Duration of violation	Corrective Actions	Health Effects Language
Ground Water Rule	Failure to Take Corrective Action Within Required Timeline	10/2012 - 3/2013	The system has entered into a bilateral compliance agreement and/or corrected the deficiency.	Inadequately treated water may contain disease-causing organisms. These organisms include bacteria, viruses, and parasites, which can cause symptoms such as nausea, cramps, diarrhea and associated headaches.

Significant Deficiencies: During a sanitary survey conducted on 2/23/2011, MSDH cited the following significant deficiency(ies) and corrective actions:

- Well in flood zone (100 year). This system is currently under an Administrative order to correct this deficiency by 6-1-2013.
- Lack of redundant mechanical components where treatment is required. This system is currently under an Administrative Order by MSDH to correct this deficiency by 6-1-2013.
- Inadequate internal cleaning/maintenance of storage tanks. This system is currently under an Administrative order to correct this deficiency by 6-1-2013.

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, 2012.**

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 contaminant less than once per year because the concentrations of these contaminants do not change frequently.

Nitrates	Sample Date	MCL	Unit	Your Water	Violation	Typical Source
Nitrate (as N)	1/30/12	10	ppm	<0.00	No	Runoff from fertilizer use; leaching from septic tanks; sewage; erosion of natural deposits
Nitrate Nitrite (as N)	1/30/12	10	ppm	<0.1	No	Runoff from fertilizer use; leaching from septic tanks; sewage; erosion of natural deposits
Nitrite	1/30/12	1	ppm	0<.02	No	Runoff from fertilizer use; leaching from septic tanks; sewage; erosion of natural deposits

Lead & Copper	Date	90th Percentile	Unit	AL	Sites over AL	Typical Source
Lead	2009/2011	1.0	mg/L	0.015	0	Corrosion of household plumbing systems; erosion of natural deposits
Copper	2009/2011	0.3	mg/L	1.3	0	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

DBP Contaminants	Sample Date	MCL	Unit	Your Water	Violation	Typical Source
Trihalomethanes, Total (THM)	7/17/2012	80	ppb	36.8	No	By-product of drinking water disinfection
Halooacetic Acids, Total (HAA5)	7/17/2012	60	ppb	30.0	No	By-product of drinking water disinfection

Inorganics	Sample Date	MCL	Unit	Your Water	Violation	Typical Source
Barium	May 16, 2011	2	ppm	0.0144	No	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Chromium	May 16, 2011	0.1	ppm	<0.0005	No	Discharge from steel & pulp mills; erosion of natural deposits
Fluoride	May 16, 2011	4	ppm	0.33	No	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer & aluminum factories

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 Radiological Health Laboratory, the Environmental Protection Agency (EPA) suspended analysis 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 completed the monitoring requirements and is now in compliance with the Radionuclides Rule. If you have any questions, please contact Karen Walters, Director of Compliance & Enforcement, Bureau of Public Water Supply, at (601) 576-7518.

Thank you for allowing us to continue to provide your family with clean, quality safe drinking water this year. In order to maintain a safe and dependable water supply, we sometimes need to make improvements that will benefit all of our customers. Please call our office if you have any questions.

We at TESI, work around the clock to provide top quality drinking water to every tap of every customer of the Oak Harbor Water System. We ask that all our customers help us to protect and conserve our water sources, which are the heart of our community, our way of life, and our children's future.

CORRECTED CCR

RECEIVED-WATER SUPPLY

OAK HARBOR
 Hancock County, Mississippi
 Public Water Supply I.D. No. MS0230004

2013 MAY 23 PM 3:41

The Water We Drink - Total Environmental Solutions, Inc. (TESI) is pleased to present our Annual Water Quality Report for the year 2012. This report is designed to inform you about the quality of your water and the services we deliver to you every day.

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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 water supply completed sampling by the scheduled deadline; however, during an audit of the Mississippi State Department of Health Radiological Health Laboratory, the Environmental Protection Agency (EPA) suspended analyses and reporting of radiological compliance samples and results until further notice.

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.

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*RAA = Running Annual Average

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Ground Water Rule	Failure to Take Corrective Action Within Required Timeline	10/2012-3/2013	The system has entered into a bilateral compliance agreement and/or corrected the deficiency.	Inadequately treated water may contain disease-causing organisms. These organisms include bacteria, viruses, and parasites, which can cause symptoms such as nausea, cramps, diarrhea and associated headaches.

Significant Deficiencies: During a sanitary survey conducted on 2/23/2011, MSDH cited the following significant deficiency(s) and corrective actions:

1. Well in flood zone (100 year): This system is currently under an Administrative order to correct this deficiency by 10-15-2012.
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Nitrates	Sample Date	MCL	Units	Your Water	Violation	Typical Source
Nitrate (as N)	1/30/12	10	ppm	<0.08	No	Runoff from fertilizer use; leaching from septic tanks; sewage; erosion of natural deposits
Nitrate Nitrite (as N)	1/30/12	10	ppm	<0.1	No	Runoff from fertilizer use; leaching from septic tanks; sewage; erosion of natural deposits
Nitrite	1/30/12	1	ppm	0<.02	No	Runoff from fertilizer use; leaching from septic tanks; sewage; erosion of natural deposits

Analyte	Sample Date	MCL	Unit	Your Water	Violation
Antimony	May 16, 2011	0.006	ppm	<0.0005	No
Cadmium	May 16, 2011	0.005	ppm	<0.0005	No
Mercury	May 16, 2011	0.002	ppm	<0.0005	No
Arsenic	May 16, 2011	0.010	ppm	<0.0005	No
Beryllium	May 16, 2011	0.004	ppm	<0.0005	No
Selenium	May 16, 2011	0.05	ppm	<0.0025	No
Thallium, Total	May 16, 2011	0.002	ppm	<0.0005	No
Cyanide	May 16, 2011	0.02	ppm	<0.015	No

DBP Contaminants	Sample Date	MCL	Unit	Your Water	Violation	Typical Source
Trihalomethanes, Total (TTHM)	7/17/2012	80	ppb	36.8	No	By-product of drinking water disinfection
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