

Consumer Confidence Report (CCR) Certification Form

Water System Name: Southern Wayne Sanitary District

Water System No.: **NC04-96-045** Report Year: **2020** Population Served: **7800**

The Community Water System (CWS) named above hereby confirms that all provisions under 40 CFR parts 141 and 142 requiring the development of, distribution of, and notification of a consumer confidence report have been executed. Further, the CWS certifies the information contained in the report is correct and consistent with the compliance monitoring data previously submitted to the primacy agency by their NC certified laboratory. In addition, if this report is being used to meet Tier 3 Public Notification requirements, as denoted by the checked box below, the CWS certifies that public notification has been provided to its consumers in accordance with the requirements of 40 CFR 141.204(d).

Certified by: Name: Clifford Newby Jr Title: General Manager/ORC

Signature: *Clifford Newby Jr*

Phone #: 1-919-738-2773

Delivery Achieved Date: 6-1-2021

Date Reported to State: **5-5-2021**

☐ Notification of CCR URL: <http://southernwaynesanitary.com/ccr1>

Notification Method: On Bill

“Good faith” efforts (in addition to one of the above required methods) were used to reach non-bill paying consumers such as industry employees, apartment tenants, etc. Extra efforts included the following methods:

- ☐ posting the CCR on the Internet at URL: <http://southernwaynesanitary.com/ccr1>
- ☐ posting the CCR in public places such as: Drive through and Lobby.

Treatment Technique Violations

TT Violation	Explanation	Length of Violation	Steps Taken to Correct the Violation	Health Effects Language
Failure to collect a VOC sample	Test not received in time	Three Days	Collected Sample	None

NOTICE TO THE PUBLIC

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Violation Awareness Date: N/A

Water Quality Data Tables of Detected Contaminants

Inorganic Contaminants

Contaminant (units)	Sample Date	MCL Violation Y/N	Your Water	Range		MCLG	MCL	Likely Source of Contamination
				Low	High			
Antimony (ppb)	03/23/20	N	None	0		6	6	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder
Arsenic (ppb)	03/23/20	N	None	0		0	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
Barium (ppm)	03/23/20	N	None	0		2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Beryllium (ppb)	03/23/20	N	None	0		4	4	Discharge from metal refineries and coal-burning factories; discharge from electrical, aerospace, and defense industries
Cadmium (ppb)	03/23/20	N	None	0		5	5	Corrosion of galvanized pipes; erosion of natural deposits; discharge from metal refineries; runoff from waste batteries and paints
Chromium (ppb)	03/23/20	N	None	0		100	100	Discharge from steel and pulp mills; erosion of natural deposits
Cyanide (ppb)	03/25/20	N	None	0		200	200	Discharge from steel/metal factories; discharge from plastic and fertilizer factories
Fluoride (ppm)	03/23/20	N	None	0		4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Mercury (inorganic) (ppb)	03/23/20	N	None	0		2	2	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills; runoff from cropland
Selenium (ppb)	03/23/20	N	None	0		50	50	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
Thallium (ppb)	03/23/20	N	None	0		0.5	2	Leaching from ore-processing sites; discharge from electronics, glass, and drug factories

Nitrate/Nitrite Contaminants

Contaminant (units)	Sample Date	MCL Violation Y/N	Your Water	Range		MCLG	MCL	Likely Source of Contamination
				Low	High			
Nitrate (as Nitrogen) (ppm)	03/23/20	N	None	0		10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Nitrite (as Nitrogen) (ppm)	03/23/20	N	None	0		1	1	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits

Synthetic Organic Chemical (SOC) Contaminants Including Pesticides and Herbicides

Contaminant (units)	Sample Date	MCL Violation Y/N	Your Water	Range		MCLG	MCL	Likely Source of Contamination
				Low	High			
2,4-D (ppb)	05/20/20	N	None	0		70	70	Runoff from herbicide used on row crops
2,4,5-TP (Silvex) (ppb)	05/20/20	N	None	0		50	50	Residue of banned herbicide
Alachlor (ppb)	05/20/20	N	None	0		0	2	Runoff from herbicide used on row crops
Atrazine (ppb)	05/20/20	N	None	0		3	3	Runoff from herbicide used on row crops
Benzo(a)pyrene (PAH) (ppt)	05/20/20	N	None	0		0	200	Leaching from linings of water storage tanks and distribution lines
Carbofuran (ppb)	05/20/20	N	None	0		40	40	Leaching of soil fumigant used on rice and alfalfa
Chlordane (ppb)	05/20/20	N	None	0		0	2	Residue of banned termiticide
Dalapon (ppb)	05/20/20	N	None	0		200	200	Runoff from herbicide used on rights of way

Di(2-ethylhexyl) adipate (ppb)	05/20/20	N	None	0	400	400	Discharge from chemical factories
Di(2-ethylhexyl) phthalate (ppb)	05/20/20	N	None	0	0	6	Discharge from rubber and chemical factories
DBCP [Dibromochloropropane] (ppt)	05/20/20	N	None	0	0	200	Runoff/leaching from soil fumigant used on soybeans, cotton, pineapples, and orchards
Dinoseb (ppb)	05/20/20	N	None	0	7	7	Runoff from herbicide used on soybeans and vegetables
Endrin (ppb)	05/20/20	N	None	0	2	2	Residue of banned insecticide
EDB [Ethylene dibromide] (ppt)	05/20/20	N	None	0	0	50	Discharge from petroleum refineries
Heptachlor (ppt)	05/20/20	N	None	0	0	400	Residue of banned pesticide
Heptachlor epoxide (ppt)	05/20/20	N	None	0	0	200	Breakdown of heptachlor
Hexachlorobenzene (ppb)	05/20/20	N	None	0	0	1	Discharge from metal refineries and agricultural chemical factories
Hexachlorocyclopentadiene (ppb)	05/20/20	N	None	0	50	50	Discharge from chemical factories
Lindane (ppt)	05/20/20	N	None	0	200	200	Runoff/leaching from insecticide used on cattle, lumber, gardens
Methoxychlor (ppb)	05/20/20	N	None	0	40	40	Runoff/leaching from insecticide used on fruits, vegetables, alfalfa, livestock
Oxamyl [Vydate] (ppb)	05/20/20	N	None	0	200	200	Runoff/leaching from insecticide used on apples, potatoes and tomatoes
PCBs [Polychlorinated biphenyls] (ppt)	05/20/20	N	None	0	0	500	Runoff from landfills; discharge of waste chemicals
Pentachlorophenol (ppb)	05/20/20	N	None	0	0	1	Discharge from wood preserving factories
Picloram (ppb)	05/20/20	N	None	0	500	500	Herbicide runoff
Simazine (ppb)	05/20/20	N	None	0	4	4	Herbicide runoff
Toxaphene (ppb)	05/20/20	N	None	0	0	3	Runoff/leaching from insecticide used on cotton and cattle

Volatile Organic Chemical (VOC) Contaminants

Contaminant (units)	Sample Date	MCL Violation Y/N	Your Water	Range		MCLG	MCL	Likely Source of Contamination
				Low	High			
Benzene (ppb)	05/06/20	N	None	0		0	5	Discharge from factories; leaching from gas storage tanks and landfills
Carbon tetrachloride (ppb)	05/06/20	N	None	0		0	5	Discharge from chemical plants and other industrial activities
Chlorobenzene (ppb)	05/06/20	N	None	0		100	100	Discharge from chemical and agricultural chemical factories
o-Dichlorobenzene (ppb)	05/06/20	N	None	0		600	600	Discharge from industrial chemical factories
p-Dichlorobenzene (ppb)	05/06/20	N	None	0		75	75	Discharge from industrial chemical factories
1,2 – Dichloroethane (ppb)	05/06/20	N	None	0		0	5	Discharge from industrial chemical factories
1,1 – Dichloroethylene (ppb)	05/06/20	N	None	0		7	7	Discharge from industrial chemical factories
cis-1,2-Dichloroethylene (ppb)	05/06/20	N	None	0		70	70	Discharge from industrial chemical factories
trans-1,2-Dichloroethylene (ppb)	05/06/20	N	None	0		100	100	Discharge from industrial chemical factories
Dichloromethane (ppb)	05/06/20	N	None	0		0	5	Discharge from pharmaceutical and chemical factories
1,2-Dichloropropane (ppb)	05/06/20	N	None	0		0	5	Discharge from industrial chemical factories
Ethylbenzene (ppb)	05/06/20	N	None	0		700	700	Discharge from petroleum refineries
Styrene (ppb)	05/06/20	N	None	0		100	100	Discharge from rubber and plastic factories; leaching from landfills
Tetrachloroethylene (ppb)	05/06/20	N	None	0		0	5	Discharge from factories and dry cleaners
1,2,4 – Trichlorobenzene (ppb)	05/06/20	N	None	0		70	70	Discharge from textile-finishing factories
1,1,1 – Trichloroethane (ppb)	05/06/20	N	None	0		200	200	Discharge from metal degreasing sites and other factories
1,1,2 – Trichloroethane (ppb)	05/06/20	N	None	0		3	5	Discharge from industrial chemical factories
Trichloroethylene (ppb)	05/06/20	N	None	0		0	5	Discharge from metal degreasing sites and other factories
Toluene (ppm)	05/06/20	N	None	0		1	1	Discharge from petroleum factories
Vinyl Chloride (ppb)	05/06/20	N	None	0		0	2	Leaching from PVC piping; discharge from plastics factories
Xylenes (Total) (ppm)	05/06/20	N	None	.0011 /mg/l		10	10	Discharge from petroleum factories; discharge from chemical factories

Disinfectant Residuals Summary

	Year Sampled	MRDL Violation Y/N	Your Water (highest RAA)	Range		MRDLG	MRDL	Likely Source of Contamination
				Low	High			
Chlorine dioxide (ppb)	2020	N	3.2 ppm	.3	3.20	800	800	Water additive used to control microbes

The PWS Section requires monitoring for other misc. contaminants, some for which the EPA has set national secondary drinking water standards (SMCLs) because they may cause cosmetic effects or aesthetic effects (such as taste, odor, and/or color) in drinking water. The contaminants with SMCLs normally do not have any health effects and normally do not affect the safety of your water.

Other Miscellaneous Water Characteristics Contaminants

Contaminant (units)	Sample Date	Your Water	SMCL
Iron (ppm)	03/20/20	.07 mg/l	0.3 mg/L
Manganese (ppm)	03/20/20	None	0.05 mg/L
Nickel (ppm)	03/20/20	None	N/A
Sodium (ppm)	03/20/20	27.840 mg/l	N/A
Sulfate (ppm)	03/20/20	None	250 mg/L
pH	03/20/20	7.0 pH	6.5 to 8.5