City Council Meeting

delivered to you and your family.

We've Come a Long Way

Vou are invited to participate in our City Council L Meetings. We meet the 1st and 3rd Wednesdays of each month beginning at 7 p.m. at the Imperial Public Library, 200 West 9th Street, Imperial, CA 92251.

drinking water without interruption. Although the

challenges ahead are many, we feel that by relentlessly

investing in customer outreach and education, new

treatment technologies, system upgrades, and training,

the payoff will be reliable, high-quality tap water

nce again we are proud to present our annual water quality report covering the period between January 1 and December 31, 2016. In a matter of only a few decades, drinking water has become exponentially safer and more reliable than at any other point in human history. Our exceptional staff continues to work hard every day-at any hour-to deliver the highest quality

The City of Imperial receives its water supply from the Colorado River via the All American Canal and the facilities of the Imperial Irrigation District. Our treatment process for the surface water consists of "complete" treatment, including sedimentation, coagulation, flocculation, filtration, and disinfection. The City currently provides an average of 2.3 million gallons per day and an average of 860 million gallons of water annually to its citizens. At the present time, the City of Imperial meets all applicable State Water Resources Control Board, Division of Drinking Water, and U.S. Environmental Protection Agency domestic water quality standards. The raw water we receive from the All American Canal exceeded standards for aluminum and iron. Water quality data for the reporting period ending December 31, 2016, are enclosed. Recent 2016 water quality information is available for review upon request.

Where Does My Water Come From?

To The Last Drop The National Oceanic and Atmospheric

lake levels, ground water).

Substances That Could Be in Water

presence of animals or from human activity. material, and can pick up substances resulting from the naturally occurring minerals and, in some cases, radioactive surface of the land or through the ground, it dissolves reservoirs, springs, and wells. As water travels over the bottled water) include rivers, lakes, streams, ponds, The sources of drinking water (both tap water and

Administration (NOAA) defines drought as a

deficiency in precipitation over an extended period

of time, usually a season or more, resulting in a

water shortage causing adverse impacts on vegetation,

animals, and/or people. Drought strikes in virtually all

There are primarily three types of drought: Meteorological

Drought refers to the lack of precipitation, or the

degree of dryness and the duration of the dry period;

Agricultural Drought refers to the agricultural impact

of drought, focusing on precipitation shortages, soil

water deficits, and reduced ground water or reservoir

levels needed for irrigation; and Hydrological Drought,

which pertains to drought that usually occurs following

periods of extended precipitation shortfalls that can

impact water supply (i.e., stream flow, reservoir and

climate zones, from very wet to very dry.

not necessarily indicate that water poses a health risk. of some contaminants. The presence of contaminants does reasonably be expected to contain at least small amounts health. Drinking water, including bottled water, may bottled water that provide the same protection for public California law also establish limits for contaminants in The U.S. Food and Drug Administration regulations and contaminants in water provided by public water systems. prescribe regulations that limit the amount of certain the State Water Resources Control Board (State Board) U.S. Environmental Protection Agency (U.S. EPA) and In order to ensure that tap water is safe to drink, the

Contaminants that may be present in source water include:

systems, agricultural livestock operations, and wildlife; that may come from sewage treatment plants, septic Microbial Contaminants, such as viruses and bacteria,

discharges, oil and gas production, mining, or farming; stormwater runoff, industrial or domestic wastewater can be naturally occurring or can result from urban Inorganic Contaminants, such as salts and metals, that

and residential uses; of sources such as agriculture, urban stormwater runoff, Pesticides and Herbicides, that may come from a variety

agricultural applications, and septic systems; can also come from gas stations, urban stormwater runoff, industrial processes and petroleum production, and which and volatile organic chemicals, which are by-products of Organic Chemical Contaminants, including synthetic

and mining activities. occurring or can be the result of oil and gas production Radioactive Contaminants, that can be naturally

Safe Drinking Water Hotline at (800) 426-4791. health effects can be obtained by calling the U.S. EPA's More information about contaminants and potential

PR SRT STD U.S. Postage Gemini Group 22901 PAID

City of Imperial 420 South Imperial Avenue Imperial, CA 92251

TAUNNA Presented By

⊛ importante sobre su agua potable. hable con alguien que lo entienda CA017218-1 rights reserved Recycled and Recyclable yyright ©2017 Gemini Group LLC

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WATER TESTING PERFORMED IN 2016

Source Water Assessment

Source Water Assessment Plan (SWAP) is now Asvailable at our office. If you would like to review the SWAP, please feel free to contact our office during regular office hours.

Important Health Information

Some people may be more vulnerable to contaminants of drinking water than the general population. Immunocompromised 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 may be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. The U.S. EPA/CDC (Centers for Disease Control and Prevention) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline at (800) 426-4791 or http://water. epa.gov/drink/hotline.

Water Conservation

Vou can play a role in conserving water and saving yourself money in the process by becoming conscious of the amount of water your household is using and by looking for ways to use less whenever you can. It is not hard to conserve water. Here are a few tips:

- · Automatic dishwashers use 15 gallons for every cycle, regardless of how many dishes are loaded. So get a run for your money and load it to capacity.
- Turn off the tap when brushing your teeth.
- · Check every faucet in your home for leaks. Just a slow drip can waste 15 to 20 gallons a day. Fix it and you can save almost 6,000 gallons per year.
- Check your toilets for leaks by putting a few drops of food coloring in the tank. Watch for a few minutes to see if the color shows up in the bowl. It is not uncommon to lose up to 100 gallons a day from an invisible toilet leak. Fix it and you save more than 30,000 gallons a year.
- Use your water meter to detect hidden leaks. Simply turn off all taps and water using appliances. Then check the meter after 15 minutes. If it moved, you have a leak.

Drought is a temporary aberration from normal climatic conditions, thus it can vary significantly from one region to another. Although normally occurring, human factors, such as water demand, can exacerbate the duration and impact that drought has on a region. By following simple water conservation measures, you can help significantly reduce the lasting effects of extended drought.

To learn more about water conservation efforts, check out U.S. EPA's Water Conservation Tips for Residents at www.epa.gov/region1/eco/drinkwater/ water_conservation_residents.html.



QUESTIONS?

For more information about this report, or for any questions relating to your drinking water, or to voice your concerns about your drinking water, please call Jackie Loper, Public Services Director, at (760) 355-3336.

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| T OF MEASURE) T OF MEASURE) | S | ЯАЭҮ SAMPLEC | l] C | MBDL] MCL | (WBDFC (WCFG) MCFG | AMOUNT DETECTEI | AA WOJ | IGH / SE | ΝΟΙΤΑΙΟΙ | TYPICAL SOURCE |

ıary Drinking Water Standard):

in drinking water below which there is expected risk to health. PHCs are set Health Goal): The level of a

fo sinessom A :(1911) and 1911

slometric Turbidity Units):

ected): Indicates that the substance was

laboratory analysis.

ppb (parts per billion): One part substance per billion parts water (or micrograms per liter).

ppm (parts per million): One part substance per

TT (Treatment Technique): A required process intended to reduce the level of a contaminant in

increased risk of getting cancer.

kidney, or central nervous system

problems and may have an

years may experience liver,

excess of the MCL over many

containing trihalomethanes in

Some people who drink water

HEALTH EFFECTS LANGUAGE

| (mgg) enoite (ppm) | 5016 | 6.11 | ΨN | Naturally occurring | | | | | | | |
|-----------------------------------|-----------------|----------|-------|--------------------------------|---|--|--|--|--|--|--|
| (mqq) enoinA leto T | 9107 | 7.11 | ΨN | Naturally occurring | | | | | | | |
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| (mqq) muisənga M | 5010 | 90 | ∀N | Leaching from natural deposits | | | | | | | |
| Hardness, Total (ppm) | 5016 | 956 | ∀N | Leaching from natural deposits | | | | | | | |
| (mqq) muiola | 9107 | 78 | ∀N | Leaching from natural deposits | | | | | | | |
| Boron (ppb) | 5010 | 180 | ΨN | Leaching from natural deposits | | | | | | | |
| Bicarbonate (ppm) | 9107 | 180 | ∀N | Leaching from natural deposits | , | | | | | | |
| (mqq) IstoT (ppm) | 5010 | 0\$I | ∀N | Leaching from natural deposits | , | | | | | | |
| UNIT OF MEASURE) | AAAY Calqmaa | DETECTED | RANGE | TYPICAL SOURCE | | | | | | | |
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determine where certain contaminants occur and whether the contaminants need to be regulated. ¹ Unregulated contaminant monitoring helps U.S. EPA and the State Water Resources Control Board to

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Sulfate (ppm)

Total Dissolved Solids

Specific Conductance

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(udd)

(mo/Sy)

| Average: ND | Average: 102 | | | | | | | | |
|-------------------------|-------------------------|-----------|--|--|--|--|--|--|--|
| Range: <50 - 350 | Range: <10-390 | | | | | | | | |
| 0\$> | 02 | December | | | | | | | |
| 05> | 081 | November | | | | | | | |
| 05> | 05> | October | | | | | | | |
| 320 | 068 | September | | | | | | | |
| 05> | 05> | fsuguA | | | | | | | |
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| 05> | 540 | əunr | | | | | | | |
| 0\$> | 500 | VeM | | | | | | | |
| 05> | 140 | linqA | | | | | | | |
| 05> | <10 | March | | | | | | | |
| 05> | 05> | February | | | | | | | |
| 05> | 05> | January | | | | | | | |
| Iron (ppb) | (dqq) munimulA | | | | | | | | |
| Secondary MCL = 300 ppb | Secondary MCL = 200 ppb | | | | | | | | |
| Treated Water Results | | | | | | | | | |
| | | | | | | | | | |

Fact or Fiction

Violation

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(MHTT Trihalomethanes

Total

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(MCL) (MCL)

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ΝΟΙΤΑΙΟΙΥ

Runoff/leaching from natural deposits

Naturally occurring organic materials

Lead in Home Plumbing

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the MCL of

site exceeded

Burroman

MHTT sht

ΝΟΙΤΑΝΑΙΟΝ

average at The 4-quarter

Runoff/leaching from natural deposits; industrial wastes

Substances that form ions when in water; seawater

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violation is

ΝΟΙΤΑЯUG

Leaching from natural deposits

(*150] Uəəq $_{D}$ by $_{D}$ A person can live about a month without food, but only about a week without water. (Fact:

exposure is available from the Safe Drinking Water Hotline or at www.epa.gov/lead.

tested. Information on lead in drinking water, testing methods, and steps you can take to minimize watering plants.) If you are concerned about lead in your water, you may wish to have your water

do so, you may wish to collect the flushed water and reuse it for another beneficial purpose, such as

flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. (If you

your water has been sitting for several hours, you can minimize the potential for lead exposure by

drinking water, but cannot control the variety of materials used in plumbing components. When associated with service lines and home plumbing. We are responsible for providing high-quality Lwomen and young children. Lead in drinking water is primarily from materials and components f present, elevated levels of lead can cause serious health problems, especially for pregnant

below the MCL.

to reduce TTHM levels to

of the distribution system

changes in the operation

CORRECT THE VIOLATION

ACTIONS TAKEN TO

We are investigating

VIOLATION OF TTHMS MCL

(kpp your fo 'sdno 8 on 'soon 6 for the form of the fo A person should consume a half-gallon of water daily to live healthily. (Fact: A person should drink at

('11 Suizury 2006 drinking it.) Wile River to settle. And, Hippocrates, known as the father of medicine, directed people in Greece to boil and əq1 mort rəthu ybbum əd1 gniuolla rəth zuh əgud to qot əd1 to tuo rəthu gninodqiz yd rəthu bəthərt zmitqy $g^{
m Z}$ Methods for the treatment and filtration of drinking water were developed only recently. (Firtion: Ancient

(;quun sunsouip that selucion minimum contain molecules that diverse diameter) There is the same amount of water on Earth now as there was when the Earth was formed. (Fact: The water

('yivg v uvyi siten ssol sosn A typical shower with a non-low-flow showerhead uses more water than a bath. (Fiction: A typical shower

the amount used for cooking and drinking is less than 1% of the total water produced!) About half the water treated by public water systems is used for drinking and cooking. (Fiction: Actually,

One gallon of gasoline poured into a lake can contaminate approximately 750,000 gallons of water. (Fact)

Test Results

change frequently. In these cases, the most recent sample data are included, along with the year in which the sample was taken. The State recommends monitoring for certain substances less than once per year because the concentrations of these substances do not represents only those substances that were detected; our goal is to keep all detects below their respective maximum allowed levels. ur water is monitored for many different kinds of contaminants on a very strict sampling schedule. The information below

suspected to be in drinking water, in order to determine if EPA needs to introduce new regulatory standards to improve drinking water quality. our drinking water. UCMR3 benefits the environment and public health by providing the EPA with data on the occurrence of contaminants We participated in the 3rd stage of the EPA's Unregulated Contaminant Monitoring Rule (UCMR3) program by performing additional tests on

RECULATED SUBSTANCES

Definitions

wollof a contaminant which, if exceeded, triggers treatment or other requirements that a water system must AL (Regulatory Action Level): The concentration of

μ\$/cm (microsiemens per centimeter): A unit expressing the amount of electrical conductivity of a

as is economically and technologically ndary MCLs (SMCLs) are set to protect MCL (Maximum Contaminant Level): The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs

t contaminant in drinking water below s no known or expected risk to health. et by the U.S. EPA. imum Contaminant Level Goal):

dimum Residual Disinfectant Level): evel of a disinfectant allowed in

aximum Residual Disinfectant Level

evel of a drinking water disinfectant there is no known or expected risk RDLGs do not reflect the benefits