



State Water Resources Control Board

Division of Drinking Water

June 11, 2019

Mr. Louis A. Atwell, P.E. Public Works Director Public Works Department City of Inglewood One Manchester Boulevard P.O. Box 6500, 3rd Floor Inglewood, CA 90301-1750

Dear Mr. Atwell:

SYSTEM NO. 1910051 - WATER SUPPLY PERMIT AMENDMENT 1910051PA-002

Please find enclosed the domestic water supply permit amendment (No. 1910051PA-002), dated June 11, 2019, and accompanying engineering report issued to the City of Inglewood to operate a new well, Well 7 and treat it at the Sanford M. Anderson Water Treatment Plant.

A public water system may file with the State Water Resources Control Board (State Water Board) a petition for reconsideration of a decision by the Deputy Director to issue, deny or amend a permit. Petitions must be received by the State Water Board within 30 calendar days of the issuance of the permit, permit amendment or decision. The date of issuance is the date when the Division of Drinking Water mails or serves a copy of the permit, permit amendment, or decision, whichever occurs first. If the 30th day falls on a Saturday, Sunday, or state holiday, the petition is due the following business day. Petitions must be received by 5:00 p.m. Information regarding filing petitions may be found at: http://www.waterboards.ca.gov/drinking_water/programs/petitions/index.shtml

Please acknowledge receipt of this permit amendment and your willingness to comply with the permit conditions in writing within 30 days. If you have any questions, please contact Karen Wong at (818) 551-2037.

Sincerely,

Chi Diep, P.E. District Engineer

Metropolitan District

Cc: Thomas Lee, P.E. Associate Engineer City of Inglewood

PERMIT AMENDMENT NO. 1910051PA-002

City of Inglewood

Los Angeles County System No. 1910051

June 11, 2019



STATE WATER RESOURCES CONTROL BOARD DIVISION OF DRINKING WATER

STATE OF CALIFORNIA

AMENDMENT TO THE

DOMESTIC WATER SUPPLY PERMIT ISSUED TO

City of Inglewood Public Water System - 1910051

ORIGINAL PERMIT: Not Numbered	DATE OF ISSUE:	06/18/65
·	REVISED:	12/27/00
PERMIT AMENDMENT: Not Numbered	EFFECTIVE DATE:	10/07/83
PERMIT AMENDMENT: Not Numbered	EFFECTIVE DATE:	10/22/90
PERMIT AMENDMENT: 1910051PA-001	EFFECTIVE DATE:	04/12/04
PERMIT AMENDMENT: Not Numbered	EFFECTIVE DATE:	01/17/17
PERMIT AMENDMENT: 1910051PA-002	EFFECTIVE DATE:	06/11/19

WHEREAS:

- I. The City of Inglewood (hereinafter, the City) submitted an application to the State Water Resources Control Board, Division of Drinking Water (hereinafter, the Division) on August 28, 2018 for an amendment to the Domestic Water Supply Permit issued to the City on June 18, 1965, revised December 27, 2000.
- II. The purpose of the amendment, as stated in the application, is to allow *the City* to make the following modifications to the public water system:

To operate a new well, Well 7, and treat it at the City's Sanford M. Anderson Water Treatment Plant for iron and manganese removal.

- III. The City has submitted all of the supporting information required to evaluate the application.
- IV. The Division has evaluated the application and the supporting material and has determined that the proposed modifications comply with all applicable State drinking water requirements.

THEREFORE:

I. The Division hereby approves the application submitted by **the City** for a permit amendment. The Domestic Water Supply Permit issued to **the City** on **December 27, 2000** is hereby amended as follows:

The City may operate Well 7 and treat it at the Sanford M. Anderson Water Treatment Plant.

II. This permit amendment is subject to the following conditions:

GENERAL

- 1. The City shall comply with all the requirements set forth in the California Safe Drinking Water Act, California Health and Safety Code and any regulations, standards, or orders adopted hereunder.
- 2. All water supplied by the City for domestic purposes shall meet all Maximum Contaminant Levels (MCLs) established by the State Water Resources Control Board, Division of Drinking Water. If the water quality does not comply with the California Drinking Water Standards, additional treatment shall be provided to bring the water into compliance with standards.
- 3. The only approved sources of domestic water supply are listed in Tables 1 and 2.

Table 1. Approved Groundwater Sources

Source	PS Code	Status	Capacity (gpm)
Well 1	1910051-001	Active	600
Well 2	1910051-002	Active	600
Well 4	1910051-013	Active	800
Well 6	1910051-018	Active	1400
Well 7	1910051-019	Active	1500

CITY OF INGLEWOOD

Table 2. Other Sources

Sources	PS Code	Status	Capacity (gpm)
MWD WB 17	1910051-017	Active	6600
MWD WB 38	1910051-016	Active	4400

4. The only approved treatment facilities are listed in Table 3.

Table 3. Approved Treatment Facilities

Facility	Treatment	PS Code	Treatment Plant Classification
Sanford M. Anderson Water Treatment Plant	For manganese and iron removal: Oxidation with KMnO4 Prechlorination to breakpoint, Filtration Postchloramination	1910051-015 (Influent) 1910051-014 (Efffluent)	T2
North Inglewood Reservoir	Sodium hypochlorite chlorination - to be used for emergencies only		T1
Morningside Reservoir	Sodium hypochlorite chlorination - to be used for emergencies only		T1

- 5. No other sources and/or treatment facilities other than those outlined in Provisions 3 and 4 shall be added or used without prior approval from the Division through an amended permit.
- Only personnel who have been certified in accordance with the Operator Certification Regulations, Chapter 13, Title 22, California Code of Regulations (CCR) shall operate the distribution system. The City's distribution system has been classified as a D5 system. Therefore, the designated Chief and Shift distribution operators shall possess minimum grade D5 and D3 certificates, respectively.
- 7. All treatment facilities shall be operated by personnel who have been certified in accordance with the Operator Certification Regulations, Chapter 13, Title 22 of CCR. The classifications for all applicable treatment facilities are listed in Table 3. The Sanford M. Anderson Water Treatment Plant has been classified as a T2

CITY OF INGLEWOOD

treatment facility, which requires minimum grade T2 and T1 certificates for the chief and shift treatment operators, respectively. For the facilities that consist of only disinfection stations, the City may utilize either certified distribution operators or treatment operators that have been trained to operate these facilities.

- 8. All groundwater wells listed in Provision 3 shall be monitored in accordance with the regulations contained in Title 22, CCR, and the most recent Vulnerability Assessment and Monitoring Frequency Guidelines issued by the Division. All results shall be submitted to the Division electronically using the designated PS codes.
- 9. The City shall collect raw water samples prior to disinfection from each active well monthly for total coliform analysis using EPA standard methods unless a higher monitoring frequency is required. If a positive total coliform sample is detected, the sample shall also be analyzed for fecal coliform, or *E. Coli* bacteria. Results shall be submitted to the Division in a summary form by the 10th day of the month, following the month in which the samples were collected.
- 10. The City shall comply with Title 17, CCR, to prevent the water system and treatment facilities from being contaminated by possible cross-connections. The City shall maintain a program for the protection of the domestic water system against backflow from premises having dual or unsafe water systems in accordance with Title 17. All backflow prevention devices shall be tested annually.
- 11. Pursuant to Sections 64590 and 64591, Title 22, CCR, no chemical or product shall be added to drinking water as a part of the treatment process unless it has been certified as meeting the specifications of American National Standard Institute/National Sanitation Foundation (ANSI/NSF) Standard 60, and no indirect additive shall be used unless it has been certified as meeting the specifications of ANSI/NSF Standard 61. The City may use an uncertified chemical, material, or product if the requirements specified in Section 64593 are met, or if an alternative is proposed that meets the requirements in Section 64551.100.

SANFORD M. ANDERSON WATER TREATMENT PLANT

- 12. The City shall operate the Sanford M. Anderson Water Treatment Plant in accordance with its approved Operations and Maintenance Plan with the following operational requirements:
 - a. The Sanford Treatment Plant shall not be operated above its maximum capacity of 8.64 MGD.
 - b. Wells 1, 2, 4, 6, and 7 shall be treated at the Sanford Treatment Plant at all times for iron and manganese removal.

CITY OF INGLEWOOD

- c. The treated effluent shall comply with the iron and manganese secondary MCLs of 0.3 mg/L and 0.05 mg/L, respectively.
- d. The treated effluent shall be continuously and reliably disinfected to achieve a minimum total chlorine residual of 1.0 mg/L at the entry point of the distribution system.
- e. The Operations and Maintenance Plan should be periodically reviewed and updated as necessary. Any revised plan shall be submitted to the Division for review and approval.
- 13. Compliance with the iron and manganese secondary MCLs shall be based on a monthly average of weekly samples collected at the Sanford Treatment Plant effluent (PS code 1910051-014).
- 14. A monthly compliance report for the Sanford Treatment Plant shall be submitted to the Division by the 10th of the following month. Monitoring for iron, manganese, color, odor, turbidity shall be conducted monthly at Wells 1, 2, 4, 6, and 7 and plant influent (PS code 1910051-015) and weekly at the plant effluent (PS code 1910051-014). All monitoring analyses shall be performed by a State certified laboratory and results transmitted by electronic data transfer (EDT) to the Division.
- 15. The City shall submit an annual report for the water quality data collected from the WRD monitoring wells located in the vicinity of Well 7.
- 16. All instruments, including but not limited to, chemical analyzers and flow meters, shall be calibrated at the frequencies and by the methods recommended by their respective manufacturers. Records for all instrument calibrations shall be maintained by the City, and made available to the Division when requested.
- 17. The City shall maintain an Operator's Log Book to record all activities, events, and problems with the operations of the wells and Sanford Treatment Plant.

This amendment shall be appended to and shall be considered to be an integral part of the Domestic Water Supply Permit issued to the *City of Inglewood* on *June 18, 1965, revised December 27, 2000.*

FOR THE STATE WATER RESOURCES CONTROL BOARD

UMM 11, 2019

Chi Diep, P.E., District Engineer

Metropolitan District, Los Angeles Region

Engineering Report

For the Consideration of the Amended Permit for
The City of Inglewood
Serving the City of Inglewood
Los Angeles County

June 11, 2019

Southern California Branch
Division of Drinking Water
State Water Resources Control Board

Prepared By

Karen Wong, P.E.() Associate Sanitary Engineer

Metropolitan District

Reviewed and Approved By

Chi Diep, P.E

District Engineer Metropolitan District

I. PURPOSE OF REPORT

The City of Inglewood (hereinafter, the City) has submitted an application, dated August 28, 2018, for an amended permit to operate a new well, Well 7. A copy of the permit application is provided in Appendix 1. The purpose of this report is to evaluate the City's proposal, document the sanitary engineering review, and make recommendations regarding the issuance of an amended domestic water supply permit.

II. BRIEF DESCRIPTION OF THE SYSTEM

The City of Inglewood is located in the middle of Los Angeles County and is bounded on the south by the City of Hawthorne and by the City of Los Angeles and Los Angeles County on the other boundaries. The City encompasses approximately 9.2 square miles. The City is comprised of commercial, industrial, and residential zoning. The City currently serves an estimated population of 86,420 through 15,840 active metered service connections. The service area map and hydraulic schematic are provided in Appendix 2 of this report.

The City's source of water supply consists of local groundwater supply in the West Coast Groundwater Basin and imported water from Metropolitan Water District of Southern California (MWD) through its MWD member agency, West Basin Municipal Water District (WBMWD). The City's system consists of five wells (including the City's new well, Well 7), two connections with MWD (WB-17 and WB-38), eight emergency connections (six with Golden State Water Company and two with Los Angeles Department of Water and Power), two reservoirs, three pressure zones, and pump stations (North Inglewood Pump Station and Morningside Pump Station). Groundwater from the City wells is treated for iron and manganese at the City's Sanford M. Anderson Water Treatment Plant (Sanford Treatment Plant) to meet the Secondary MCLs for these two inorganic constituents.

The City is currently operating under a domestic water supply permit issued by the Department of Public Health (Drinking Water Program under the State Water Resources Control Board, Division of Drinking Water) on June 18, 1965 (revised December 27, 2000 and January 11, 2001). The permit and amendment issued to the City are summarized in Table 2-1 below.

Table 2-1. Permit History

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Issue Date	Permit No.	Description			
06/18/1965	Not Numbered	Full Permit			
10/07/1983	Not Numbered	To include the Sanford M. Anderson Treatment Plant to treat groundwater pumped from Wells 1, 2, and 3			
10/22/1990	Not Numbered	To operate Well 4, which was to replace Well 3.			
12/27/2000	04-15-00P-023	Revised Full Permit			
(rev'd 1/11/2001)					

Issue Date	Permit No.	Description
04/12/2004	1910051PA-001	To operate Well 6
01/17/2017	Not Numbered	To include requirements for lead sampling at K-12 schools
New	1910051PA-002	To operate Well 7

Sources of Information

Information used to prepare this report was obtained from the State Water Resources Control Board, Division of Drinking Water (hereinafter, the Division) files, City personnel, a review of the City's files and records, and a visit to the new facility conducted on May 8, 2019. The investigation, analyses and preparation of this report were conducted by Karen Wong, P.E., Associate Sanitary Engineer with the Division, Metropolitan District, under the supervision of Chi Diep, P.E., Metropolitan District Engineer.

III. INVESTIGATION FINDINGS

A. Description of Well 7

Well 7 is located on a parking lot owned by the City at the northwest corner of Arbor Vitae Street and Grevillea Avenue in the City of Inglewood. Like other City's wells, Well 7 produces groundwater that will require treatment for total dissolved solids, iron, and manganese. Therefore the groundwater from Well 7 along with the other City's wells will be treated for iron and manganese at the City's Sanford Treatment Plant.

The well was drilled in 2018, using the reverse circulation method. The bore hole was drilled to a depth of 716 feet. A 20-inch diameter high strength, low alloy steel casing was installed from 0 to 620 below ground surface (bgs). A 42-inch diameter low carbon steel conductor casing was installed from ground surface to a depth of 50 feet. The well has a 310-foot deep annular seal filled with cement. It is also gravel packed and surface sealed.

The well is screened from 352-410 and 532-581 feet bgs, using a 20-inch diameter high strength low alloy steel well casing with 0.070-inch slot opening. The total length of the screened intervals is 197 feet. The distances to the highest perforation, the static water level and pumping water level are 352, 112, and 208 feet bgs, respectively.

The well has an estimated maximum yield capacity of 1,500 gpm, based on a pump test conducted in May 2018. The well is equipped with a submersible pump, which has a 200-horsepower electric motor with a pumping capacity of 1,500 gpm. The well is also equipped with the appropriate appurtenances such as an inverted and screened air relief valve, casing vent, flow meter, sounding tube, and sampling tap. The well site is fenced and locked to prevent unauthorized access.

The closest sewer line is located approximately 70 feet away from the well. More details on the well are provided on the well diagram and well data sheet in Appendix 3. Per Title 22, Section 64560, the City has provided pump test results, well construction permit issued by the Los Angeles County Health Department, and well completion report. A copy of the pump test results is provided in Appendix 3. Since the well completion report and well construction permit contain confidential information, they will not be attached to this report but will be kept on file with the Division.

One complete set of Title 22 sampling was collected from Well 7 including general mineral, general physical, inorganic, and organic compounds in May 2018 and May 2019. The results indicate that Well 7 water is in compliance with all primary and secondary MCLs except for iron and manganese, which will be treated at the City's Sanford M. Anderson Water Treatment Plant. A copy of the results including general mineral, general physical, inorganic, and organic compounds is attached in Appendix 3.

Bacteriological samples and heterotrophic plate count (HPCs) were also collected on May 2, 2019. The results indicate that the well is absent for coliforms with the HPCs below 500 cfu/ml, as shown in Appendix 3.

Well 7 shall be monitored in accordance with the most recent Vulnerability Assessment and Monitoring Frequency Guidelines (VA Guidelines) for source class code LGLE, which is the code assigned to all of the City's wells. A copy of the VA Guidelines is provided in Appendix 4.

In addition, because Well 7 is a new groundwater well, the City shall complete the following initial monitoring requirements including four (4) consecutive quarters of VOCs, four (4) consecutive quarters of 1,2,3-Trichloropropane (1,2,3-TCP), two (2) samples, five to seven months apart, for perchlorate, and one quarter of all SOCs followed by three consecutive quarters of SOCs that are not waived. More details are provided below.

VOC Monitoring

The City has completed the first quarterly VOCs samples on May 2, 2019 and all results were non-detect. To complete the initial VOCs monitoring requirements, the City shall collect three (3) more consecutive quarterly VOCs samples starting in August 2019.

Radiological Monitoring

In accordance with Title 22, Section 64442 (c), the City shall begin initial radiological monitoring for Well 7, within the first quarter after initiating water service to the public. To date, the City has performed one quarter of monitoring for gross alpha (GA), uranium, radium 226, and radium 228 at Well 7 in May 2019. The City shall complete the initial radiological monitoring requirements by collecting three (3) more consecutive quarterly samples for the analyses of GA, uranium, radium 226, and radium 228.

Subsequent monitoring requirements for these constituents will be determined based on the results of the data collected from this initial monitoring period.

Perchlorate Monitoring

The California perchlorate MCL of 0.006 mg/L became effective on October 18, 2007. To comply with the initial perchlorate monitoring requirement of this regulation for Well 7, the City shall collect two (2) samples, five to seven months apart, with at least one gathered between May 1 and September 30. The first sample was collected on May 2, 2019 and the result was non-detect. The second sample shall be collected between October and December 2019.

SOC Monitoring

The City has completed a quarter of all SOCs samples on May 2, 2019 and all results were non-detect. To complete the initial SOC monitoring requirements, the City shall collect three (3) more consecutive quarterly SOCs samples that were not waived as indicated in the attached VA Guidelines for source class code LGLE starting in August 2019.

Groundwater Rule

In compliance with the Groundwater Rule per CCR, Title 22, Section 141.400, the City is required to perform compliance monitoring to demonstrate 4-log treatment of viruses in lieu of performing the triggered source water monitoring. This requirement will remain unchanged with the addition of Well 7. The City is required to maintain the minimum daily chlorine residual of at least 0.2 mg/L required to achieve the calculated CT value of 3.6 mg-min/L for 4-log treatment of virus at the two (2) 202,500-gallon contact tanks. Monthly reports of the minimum daily disinfectant residual recorded for each day of the month are submitted to the Division on the 10th of the following month.

1,2,3-TCP Monitoring

The State adopted a MCL of 5 ppt for 1,2,3-TCP on December 14, 2017. To comply with the initial 1,2,3-TCP monitoring requirement of this regulation for Well 7, the City shall conduct one year of sampling consisting of four (4) consecutive quarters of sampling. The first quarterly sample was collected on May 2, 2019 and the result was non-detect. The City shall collect three (3) more quarterly samples starting in August 2019 and submit all results to the Division by electronic data transfer (EDT).

Drinking Water Source Assessment and Protection (DWSAP) Program

The Drinking Water Source Assessment for Well 7 was conducted by the City of Inglewood Water Division and Richard C. Slate Associates, LLC, Consulting Groundwater Geologists. A copy is kept on file with the Division. The well is considered to have 'high' physical barrier effectiveness (PBE). The well is considered

most vulnerable to 1) dry cleaners, 2) car washers, 3) automobile repair shops, 4) bus terminals, and 5) other building structures in the area.

B. Sanford M. Anderson Water Treatment Plant

In 1975, the Sanford M. Anderson Water Treatment Plant was constructed to treat groundwater pumped from Wells 1, 2, and 3 for high iron and manganese content. Well 3 was later replaced by Well 4 in 1990 while Well 6 was added in 2004. With the addition of the new well, Well 7, the Sanford Treatment Plant with a design capacity of 8.64 MGD or 6,000 gpm will treat all of the City's wells (Wells 1, 2, 4, 6, and 7) to bring iron and manganese levels to compliance with their respective secondary MCLs of 0.3 mg/L and 0.05 mg/L.

The Sanford Treatment Plant consists of potassium permanganate oxidation and prechlorination, gravity filtration through dual-media filters consisting of manganese greensand and anthracite coal, and post-chloramination. The treated water will be stored in an underground 834,000-gallon clearwell prior to being pumped to North Inglewood Reservoir and Morningside Reservoir. On the Morningside direction, however, since Morningside Reservoir has been out of service since 2009 due to structural problems, the treated water would get mixed directly with purchased MWD water from WB-17 at the mixing chamber. From there, the treated water is distributed to serve Inglewood Pressure Zone 3. Currently there is no transmission line directly connected to Morningside Reservoir because there is no plan in place to repair or rehabilitate the reservoir. However, the City may consider demolishing the Morningside Reservoir and building a new reservoir of smaller scale at the same location. A schematic of the Sanford Treatment Plant and treatment plant data sheet are provided in Appendix 2.

Potassium Permanganate Oxidation and Pre-Chlorination

Water from the five wells enters the plant through a 27-inch transmission main before being equally distributed into two (2) 202,500-gallon contact tanks. Prior to entering the contact tanks, potassium permanganate (KMnO₄), used as an oxidant and for the regeneration of greensand, is injected into the plant influent line at two (2) percent strength. The permanganate dosage will be adjusted periodically according to iron and manganese concentrations in the influent and based upon jar testing results. The chlorine injection point is located immediately downstream, approximately 20 feet, of the KMnO₄ injection point. Chlorine is injected as another oxidant to achieve breakpoint chlorination.

Filtration

Six (6) dual-media filters, each with a surface area of 242 ft² (11 feet by 22 feet), are provided for the filtration process. The filtration rate at the maximum design capacity is 4 gpm/ft² with all the filters in service, and 5.0 gpm/ft² with one filter out of service for backwash. The filter media consist of 18 inches of anthracite coal on top of 18 inches of manganese greensand, with a support medium of 15 inches of graded gravel. The

filters are gravity fed at a constant rate with equal flow distribution to each filter through circular adjustable weirs installed on the filter inlet pipes. The filter backwash (surface wash will also be included whenever the backwash is activated) can be controlled either automatically based on high turbidity (0.5 NTU), high head loss (10 feet), elapsed time since last completed backwash (120 hours) or manually through a computer command by the operator.

Post-Chloramination Facilities

A 1,500-gallon aqua ammonia storage tank, and three (3) feed pumps are utilized at the Sanford Treatment Plant. These pumps are rated at 1 to 20.6 gallons per day. The 21.17° BE aqua ammonia at 19 percent strength is injected in the compartment downstream of the treated (filtered) water level control weirs. The current ammonianitrogen dosage rate is about 0.7 mg/L, which is about a 5 to 1 ratio of chlorine to ammonia-nitrogen.

Clearwell, Plant Effluent Pumping Station, and other Facilities

After chloramination, the filtered water flows through an existing transfer pump station (which connects to six (6) vessels of sodium zeolite softener that are no longer being use) and enters the plant clearwell. The clearwell, which has a storage capacity of 834,000 gallons, is located beneath the administration and chemical building at the plant. The total chlorine residual in the water is continuously monitored by a Wallace and Tiernan automatic residual analyzer-SCADA monitored at two (2) locations, the inlet to the clearwell and the plant's outlet. The water level in the clearwell is also closely monitored because the water for backwashing the filters is drawn from the clearwell. The backwash pump operation will be terminated if the clearwell water level is below the low-level set point. Upon exiting the plant clearwell, the treated water is pumped to the Morningside and North Inglewood pressure regulating stations. From there the water is introduced into the distribution system.

Monitoring

The City collects samples for iron, manganese, color, odor, turbidity monthly at the wells and plant influent and weekly at the plant effluent (clearwell). All results are submitted to the Division in a monthly report and by EDT on the 10th of the following month.

C. Treatment Classification

Although Well 7 will bring in an additional capacity of 1,500 gpm to the Sanford Treatment Plant, the Sanford Treatment Plant with a design capacity of 8.64 MGD will still have adequate capacity to treat all of the City's five wells (Wells 1, 2, 4, 6, and 7). Over the years, Wells 1, 2, 4, and 6 have experienced at least a 50% drop in capacity, bringing the combined well capacity (including Well 7) to 7.06 MGD. The Sanford Treatment Plant will continue to be classified as a T2 treatment facility in accordance with the Operator Certification Regulations of the California Code of Regulations, Title 22. A breakdown of the points assigned to the Sanford Treatment Plant in determining

the treatment facility classification is included in Appendix 5. Operator certification requirements for a T2 facility include a chief operator with a minimum T2 grade and shift operators with a minimum T1 grade.

D. California Environmental Quality Act (CEQA)

The State Water Resources Control Board, Division of Drinking Water (Division), as a responsible agency pursuant to CEQA, has reviewed the Mitigated Negative Declaration (MND) prepared by the City, dated September 19, 2014. On October 23, 2014, a Notice of Intent (NOI) was filed with the Los Angeles County Clerk and posted from October 23, 2014 to November 24, 2014 announcing the public hearing and plan to adopt the Draft MND. On November 18, 2014, the Draft MND was adopted by Resolution No. 15-12, including implementation of the proposed mitigation measures. The City developed a Final MND dated November 30, 2014. On December 17, 2014, the City filed a Notice of Determination with the Los Angeles County Clerk.

More than one year after the City adopted the MND, the document was distributed to the public and circulated with the State Clearinghouse (SCH # 2016021083) for a 30-day review period beginning on February 22, 2016 and ending on March 22, 2016. During the public review period, one written comment was received from the Department of Transportation. The City filed the MND a second time with the SCH for a 45-day review period beginning on September 21, 2016 and ending on November 4, 2016, and it was sent to the Office of Historic Preservation and the Native American Heritage Commission as reviewing agencies. The Office of Planning Research sent a letter confirming that no state agencies submitted comments during this comment period.

As a responsible agency, the Division has considered the Project MND dated November 30, 2014 together with all comments and Division of Financial Assistance, Special Project Review Unit staff hereby recommend the following findings for the Project:

The project will not result in any significant water quality impacts. There are no recommended permit conditions.

CEQA documents are provided in Appendix 1 of this report.

IV. ENGINEERING APPRAISAL OF SANITARY HAZARDS AND SAFEGUARDS

A review of the plans indicates that the design and construction of the new well, Well 7, is in accordance with AWWA standards and the California Waterworks Standards and is free from sanitary hazards. It is anticipated that Well 7 will be treated successfully together with the other City's wells at the Sanford M. Anderson Water Treatment Plant for iron and manganese.

In late 2015, Regional Water Quality Control Board (RWQCB) expressed concern that the pumping of Well 7 might impact contaminant plume and/or contaminated

groundwater currently existing beneath the known hazardous waste sites in the local area. Consequently, the City hired Richard C. Slade & Associates (RCS) to review available data on the hazardous waste sites of concern and to provide an evaluation of potential hydrogeologic impact, if any, of Well 7 on the contaminated groundwater beneath those sites. A report titled "Review of Nearby Hazardous Waste Sites & Capture Zone Analysis for Proposed City Well No. 7" was prepared by RCS on February 18, 2016. The report concluded that the groundwater that is to be extracted from the Lynwood and/or Silverado aquifers by Well 7 does not appear to have been affected by groundwater contamination from the nearby hazardous waste sites. Also the results of the capture zone analysis revealed that each of the nearby RWQCB-defined hazardous sites was found to be outside the 10-year capture zone (or source water) for each of the two pumping scenarios listed in the report. Thus it does not appear that the future pumping of Well 7 will likely impact the groundwater contamination plumes that may exist beneath the known RWQCB-defined hazardous waste sites.

The City is required to keep monitoring water quality data from Water Replenishment District (WRD) monitoring wells at regular intervals in addition to monitoring water quality data produced from Well 7. If the water quality data shows MCL exceedance in Well 7, treatment will be required at this well before the water may be served to the customers.

V. CONCLUSIONS AND RECOMMENDATIONS

The State Water Resources Control Board, Division of Drinking Water (Division), finds that the Sanford M. Anderson Water Treatment Plant is capable of treating the City's existing groundwater wells and the new well, Well 7, to provide safe, wholesome and potable water that meets all applicable State Drinking Water Standards. Issuance of an amended domestic water supply permit by the State Water Resources Control Board, Division of Drinking Water, to the City for the operation of Well 7 and the existing Sanford M. Anderson Water Treatment Plant is recommended subject to the following provisions:

GENERAL

- The City shall comply with all the requirements set forth in the California Safe Drinking Water Act, California Health and Safety Code and any regulations, standards, or orders adopted hereunder.
- 2. All water supplied by the City for domestic purposes shall meet all Maximum Contaminant Levels (MCLs) established by the State Water Resources Control Board, Division of Drinking Water. If the water quality does not comply with the California Drinking Water Standards, additional treatment shall be provided to bring the water into compliance with standards.

3. The only approved sources of domestic water supply are listed in Tables 1 and 2. Table 1. Approved Groundwater Sources

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Table 3. Approved Treatment Facilities

Facility	Treatment	PS Code	Treatment Plant Classification
Sanford M. Anderson Water Treatment Plant	For manganese and iron removal: Oxidation with KMnO4 Prechlorination to breakpoint, Filtration Postchloramination	1910051-015 (Influent) 1910051-014 (Efffluent)	T2
North Inglewood Reservoir	Sodium hypochlorite chlorination - to be used for emergencies only		T1
Morningside Reservoir	Sodium hypochlorite chlorination - to be used for emergencies only	,	T1

- 5. No other sources and/or treatment facilities other than those outlined in Provisions 3 and 4 shall be added or used without prior approval from the Division through an amended permit.
- 6. Only personnel who have been certified in accordance with the Operator Certification Regulations, Chapter 13, Title 22, California Code of Regulations (CCR) shall operate the distribution system. The City's distribution system has been classified as a D5 system. Therefore, the designated Chief and Shift distribution operators shall possess minimum grade D5 and D3 certificates, respectively.
- 7. All treatment facilities shall be operated by personnel who have been certified in accordance with the Operator Certification Regulations, Chapter 13, Title 22 of CCR. The classifications for all applicable treatment facilities are listed in Table 3. The Sanford M. Anderson Water Treatment Plant has been classified as a T2 treatment facility, which requires minimum grade T2 and T1 certificates for the chief and shift treatment operators, respectively. For the facilities that consist of only disinfection stations, the City may utilize either certified distribution operators or treatment operators that have been trained to operate these facilities.
- 8. All groundwater wells listed in Provision 3 shall be monitored in accordance with the regulations contained in Title 22, CCR, and the most recent Vulnerability Assessment and Monitoring Frequency Guidelines issued by the Division. All results shall be submitted to the Division electronically using the designated PS codes.
- 9. The City shall collect raw water samples prior to disinfection from each active well monthly for total coliform analysis using EPA standard methods unless a higher monitoring frequency is required. If a positive total coliform sample is detected, the sample shall also be analyzed for fecal coliform, or *E. Coli* bacteria. Results shall be submitted to the Division in a summary form by the 10th day of the month, following the month in which the samples were collected.
- 10. The City shall comply with Title 17, CCR, to prevent the water system and treatment facilities from being contaminated by possible cross-connections. The City shall maintain a program for the protection of the domestic water system against backflow from premises having dual or unsafe water systems in accordance with Title 17. All backflow prevention devices shall be tested annually.
- 11. Pursuant to Sections 64590 and 64591, Title 22, CCR, no chemical or product shall be added to drinking water as a part of the treatment process unless it has been certified as meeting the specifications of American National Standard Institute/National Sanitation Foundation (ANSI/NSF) Standard 60, and no indirect additive shall be used unless it has been certified as meeting the specifications of ANSI/NSF Standard 61. The City may use an uncertified chemical, material, or

product if the requirements specified in Section 64593 are met, or if an alternative is proposed that meets the requirements in Section 64551.100.

SANFORD M. ANDERSON WATER TREATMENT PLANT

- 12. The City shall operate the Sanford M. Anderson Water Treatment Plant in accordance with its approved Operations and Maintenance Plan with the following operational requirements:
 - a. The Sanford Treatment Plant shall not be operated above its maximum capacity of 8.64 MGD.
 - b. Wells 1, 2, 4, 6, and 7 shall be treated at the Sanford Treatment Plant at all times for iron and manganese removal.
 - c. The treated effluent shall comply with the iron and manganese secondary MCLs of 0.3 mg/L and 0.05 mg/L, respectively.
 - d. The treated effluent shall be continuously and reliably disinfected to achieve a minimum total chlorine residual of 1.0 mg/L at the entry point of the distribution system.
 - e. The Operations and Maintenance Plan should be periodically reviewed and updated as necessary. Any revised plan shall be submitted to the Division for review and approval.
- Compliance with the iron and manganese secondary MCLs shall be based on a monthly average of weekly samples collected at the Sanford Treatment Plant effluent (PS code 1910051-014).
- 14. A monthly compliance report for the Sanford Treatment Plant shall be submitted to the Division by the 10th of the following month. Monitoring for iron, manganese, color, odor, turbidity shall be conducted monthly at Wells 1, 2, 4, 6, and 7 and plant influent (PS code 1910051-015) and weekly at the plant effluent (PS code 1910051-014). All monitoring analyses shall be performed by a State certified laboratory and results transmitted by electronic data transfer (EDT) to the Division.
- 15. The City shall submit an annual report for the water quality data collected from the WRD monitoring wells located in the vicinity of Well 7.
- 16. All instruments, including but not limited to, chemical analyzers and flow meters, shall be calibrated at the frequencies and by the methods recommended by their respective manufacturers. Records for all instrument calibrations shall be maintained by the City, and made available to the Division when requested.

17. The City shall maintain an Operator's Log Book to record all activities, events, and problems with the operations of the wells and Sanford Treatment Plant.

APPENDICES

- 1. Permit Amendment Application and CEQA Documents
- 2. Service Area Map, Hydraulic Schematic, Sanford Treatment Plant Schematic, Treatment Plant Data Sheet
- 3. Well Diagram, Well Data Sheet, Pump Test Results, Title 22 Test Results, and Bacteriological Test Results
- 4. Vulnerability Assessment and Monitoring Frequency Guidelines LGLE
- 5. Treatment Facility Classification Worksheet

APPENDIX 1

Permit Amendment Application CEQA Documents

STATE OF CALIFORNIA

APPLICATION

FOR

DOMESTIC WATER SUPPLY PERMIT AMENDMENT FROM

Applicant: City of Inglewood

	(Enter the name	of legal owner, perso	n(s) or organization)		
Address:	1 West Mand	hester Blvd., I	nglewood, CA 9030)1	
System Nam	e;	City of Ingle	vood		
	ber:				
				WWW	
TO:	Chi P. Diep, District 15 - I	District Engine	er		
		vieti opolitari Resources Coi	ntrol Board		
	Division of D	rinking Water			
		entral Avenue,	Suite 500		
	Glendale, C/	4 9 1 Z U O			
Pursuant and	f subject to the	requirements	of the California He	alth and Si	afety Code, Division 104,
Part 12, Cha	pter 4 (Californ	ia Safe Drinkin	g Water Act), Articl	e 7, Sectio	on 116550,
relating to ch	anges requirin	g an amended	permit, application	is hereby i	made to amend an
existing wate	r supply permi	to construc	t a new well (Inglew	ood Well	7) for groundwater
		(Applican	t must state specifically wh	nat is being ap	plied for - whether to construct
production. new works, ma	ke alterations or add	itions in works or so	urces, or change or modil	fy treatment.)	
		······································	***************************************		***************************************
M					***************************************
,	**************************************	T 14 × 0 1 1		***************************************	
					at the statements on this hments are correct to my
FOR OFF	FICIAL USE				ting under authority and
		direction of	the responsible, le		under whose name this
		application is	s made//////	<i>H</i>	
Date K	eceived:	Signed By: _	ZAHU		
	***************************************		city of Inigewood	Public Wo	orks Director
		Address:	1 West Manches	ter Blvd I	nglewood, CA 90301
	. 499	accesses			nenten sterre en
		Talenhone	(310) 412-5333	**************************************	
	a ~3	1 mm h 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
Dated: ಶೆ	424/18				DDW; 12/2017
,	······································	02000000000000000000000000000000000000			

NOTICE OF DETERMINATION

TO: Governor's Office of Planning and Research FROM: State Water Resources Control Board

State Clearinghouse Office P.O. Box 3044

Sacramento, CA 95812-3044

Metropolitan District

500 North Central Avenue, Suite 500

Glendale, CA 91203

SUBJECT: Filing of Notice of Determination in compliance with Section 21108 of the Public Resources

Code

SCH#: 2016021083

WATER SYSTEM #: 1910051

PROJECT TITLE: Operation of City of Inglewood – New Well No. 7 Project (Project)

LEAD AGENCY: City of Inglewood (City)

CONTACT PERSON: Thomas Lee **PHONE NUMBER: (310) 412-5333**

RESPONSIBLE AGENCY: State Water Resources Control Board (State Water Board)

CONTACT PERSON: Chi P. Diep PHONE NUMBER: (818) 551-2004

PROJECT LOCATION: 101 West Arbor Vitae Street, Inglewood, CA 90301, Los Angeles County

PROJECT DESCRIPTION: The City proposed Project involved construction of a new water production well on a City owned parking lot in an urban area to include:

- 1. Demolish existing pavement and remove nine (9) existing trees on the site (Remove 9-trees: 2@10"-diam, 1@12"-diam, 4@14"-diam, 1@16"-diam, 1@18"-diam).
 - 2. Construct 12-inch RCP wastewater storm drain (SD) line connecting to LA County 36-inch SD main (permit obtained).
 - 3. Install a 24-feet sound-insulation wall for noise control around the site perimeter for the duration of the Project.
 - 4. Provide for water treatment using two above-ground settling tanks for NPDES compliance during
 - 5. Drill a 48-inch diameter hole and install a 42" conductor casing 50-feet below ground surface (bgs).
 - 6. Drill a 17 1/2-inch pilot bore-hole from 50-feet to 700-feet bgs.
 - 7. Perform downhole geophysical surveying and then isolated aquafer zone testing.
 - 8. Collect samples and send to laboratory for testing.
 - 9. Ream pilot borehole to 38-inch from 50-feet to 350-feet bgs and then ream pilot borehole 30-in from 350-feet to 640-feet.
 - 10. Provide caliper survey and then magnetic deviation survey.
 - 11. Install new 20-inch High-Strength Low Alloy (HSLA) well casing (total 642 feet). 3-inch gravel feeding tube and 2-inch sounding tube.
 - 12. Install Tacna Sand and Gravel pack.
 - 13. Install annular cement/grout seal from 5-feet to 300-feet bgs.
 - 14. Conduct alignment survey.
 - 15. Mechanically develop the well.

PUBLIC AGENCY APPROVING PROJECT AND CARRYING OUT PROJECT: This is to advise that the State Water Board has issued a drinking water supply permit 1910051PA-002 for the above described Project on June 11, 2019, and has made the following determinations regarding the Project:

- 1. The Project will not have significant effects on water quality.
- 2. A Mitigated Negative Declaration (MND) was prepared for this Project pursuant to the provisions of the California Environmental Quality Act (CEQA).
- 3. Mitigation measures were not made conditions of the issuance of this permit.
- 4. A mitigation monitoring and reporting plan was adopted for this Project.
- 5. Findings were made pursuant to the provisions of CEQA.
- 6. A Statement of Overriding Considerations was not adopted for this Project.

This is to certify that the record of permit issuance for the Project is available to the general public at the State Water Board, Division of Drinking Water District Office noted above. The MND is available from the lead agency.

XXXXXXXXXXXXX			***************************************	
Signature:		Date:	6/11/2019	
	emman, p			
Name: Chi P. Diep		Title:	District Engineer	





State Water Resources Control Board

TO:

Chi P. Diep, District Engineer Metropolitan District Office Division of Drinking Water

FROM:

Sara Paiva-Lowry, Senior Environmental Scientist. At Allolis

Special Project Review Unit Division of Financial Assistance

Susan Stewart, Environmental Scientist

Special Project Review Unit Division of Financial Assistance

DATE:

September 10, 2018

SUBJECT:

WATER SUPPLY PERMIT (PERMIT) FINDINGS FOR CITY OF INGLEWOOD

WATER DEPARTMENT (CITY), NEW WELL NO. 7 PROJECT (PROJECT).

WATER SYSTEM ID NUMBER 1910051

The City is the lead agency pursuant to the California Environmental Quality Act (CEQA) for the proposed Project. The State Water Resources Control Board (State Water Board), as a responsible agency pursuant to CEQA, has reviewed the Mitigated Negative Declaration (MND) prepared by the City, dated September 19, 2014. On October 23, 2014 a Notice of Intent (NOI) was filed with the Los Angeles County Clerk and posted from October 23, 2014 to November 24, 2014 announcing the public hearing and plan to adopt the Draft MND. On November 18, 2014 the Draft MND was adopted by Resolution No. 15-12, including implementation of the proposed mitigation measures. The City developed a Final MND dated November 30, 2014. On December 17, 2014 The City filed a Notice of Determination with the Los Angeles County Clerk.

More than one year after the City adopted the MND, the document was distributed to the public and circulated with the State Clearinghouse (SCH # 2016021083) for a 30-day review period beginning on February 22, 2016 and ending on March 22, 2016. During the public review period one written comment was received from the Department of Transportation. The City filed the MND a second time with the SCH for a 45-day review period beginning on September 21, 2016 and ending on November 4, 2016, and it was sent to the Office of Historic Preservation and the Native American Heritage Commission as reviewing agencies. The Office of Planning Research sent a letter confirming that no state agencies submitted comments during this comment period.

Project Description:

The City proposes to construct a new water production well on a City owned parking lot in an urban area to include:

FELICIA MARCUS, CHAIR | EILEEN SOBECK, EXECUTIVE DIRECTOR

- 1. Demolish existing pavement and remove nine (9) existing trees on the site (Remove 9-trees: 2@10"-diam, 1@12"-diam, 4@14"-diam, 1@16"-diam, 1@18"-diam).
- 2. Construct 12-inch RCP wastewater storm drain (SD) line connecting to LA County 36-inch SD main (permit obtained).
- 3. Install a 24-feet sound-insulation wall for noise control around the site perimeter for the duration of the Project.
- 4. Provide for water treatment using two above-ground settling tanks for NPDES compliance during drilling.
- 5. Drill a 48-inch diameter hole and install a 42" conductor casing 50-feet below ground surface (bas).
- 6. Drill a 17 1/2-inch pllot bore-hole from 50-feet to 700-feet bgs.
- 7. Perform downhole geophysical surveying and then isolated aquafer zone testing.
- 8. Collect samples and send to laboratory for testing.
- 9. Ream pilot borehole to 38-inch from 50-feet to 350-feet bgs and then ream pilot borehole 30-in from 350-feet to 640-feet.
- 10. Provide caliper survey and then magnetic deviation survey.
- 11. Install new 20-inch High-Strength Low Alloy (HSLA) well casing (total 642 feet).

 3-inch gravel feeding tube and 2-inch sounding tube.
- 12. Install Tacna Sand and Gravel pack.
- 13. Install annular cement/grout seal from 5-feet to 300-feet bgs.
- 14. Conduct alignment survey.
- 15. Mechanically develop the well.

Determination:

As a responsible agency, the State Water Board has considered the Project MND dated November 30, 2014 together with all comments and Division of Financial Assistance, Special Project Review Unit staff hereby recommend the following findings for the Project:

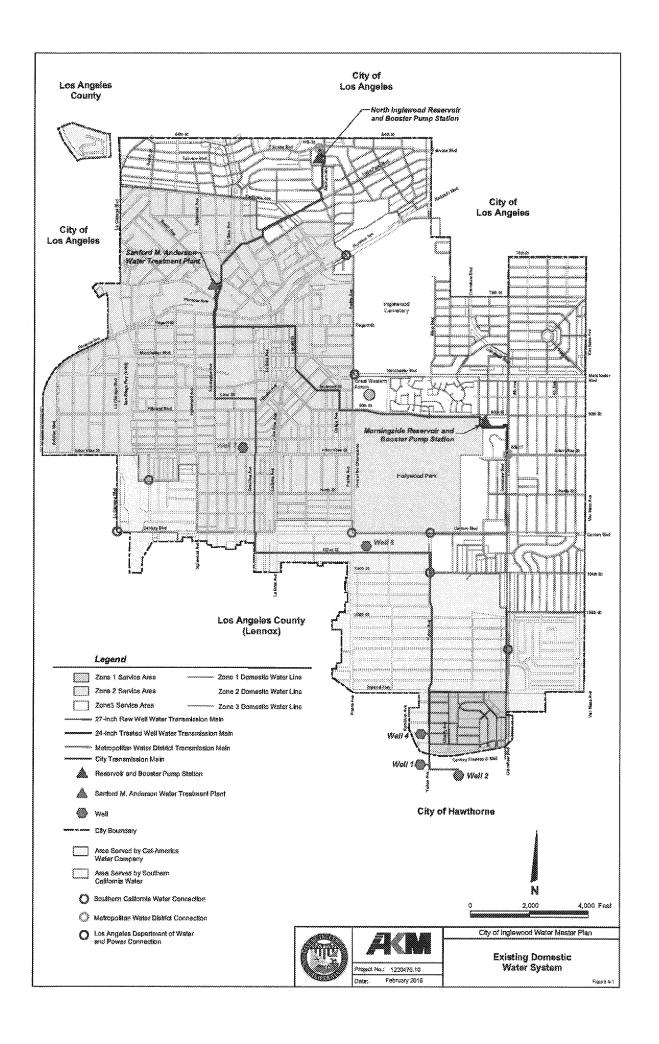
- The Project will not result in any significant water quality impacts.
- There are no recommended Permit conditions.

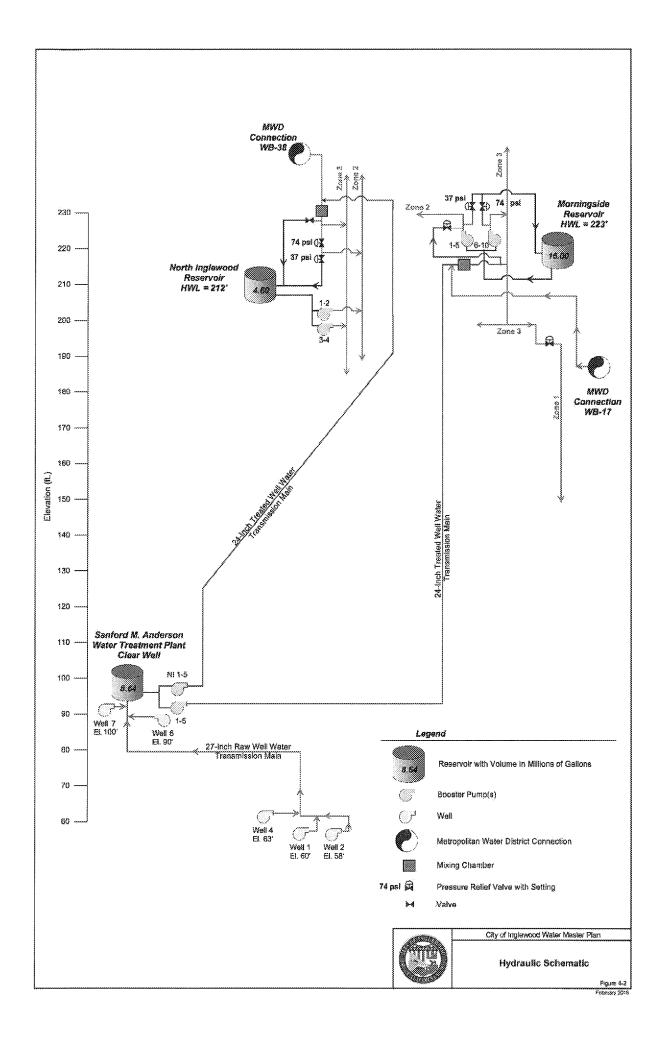
Pursuant to CEQA Guidelines, Section 15096(i), the attached NOD will be filed with the Governor's Office of Planning and Research, State Clearinghouse within five (5) days of issuance of the Permit.

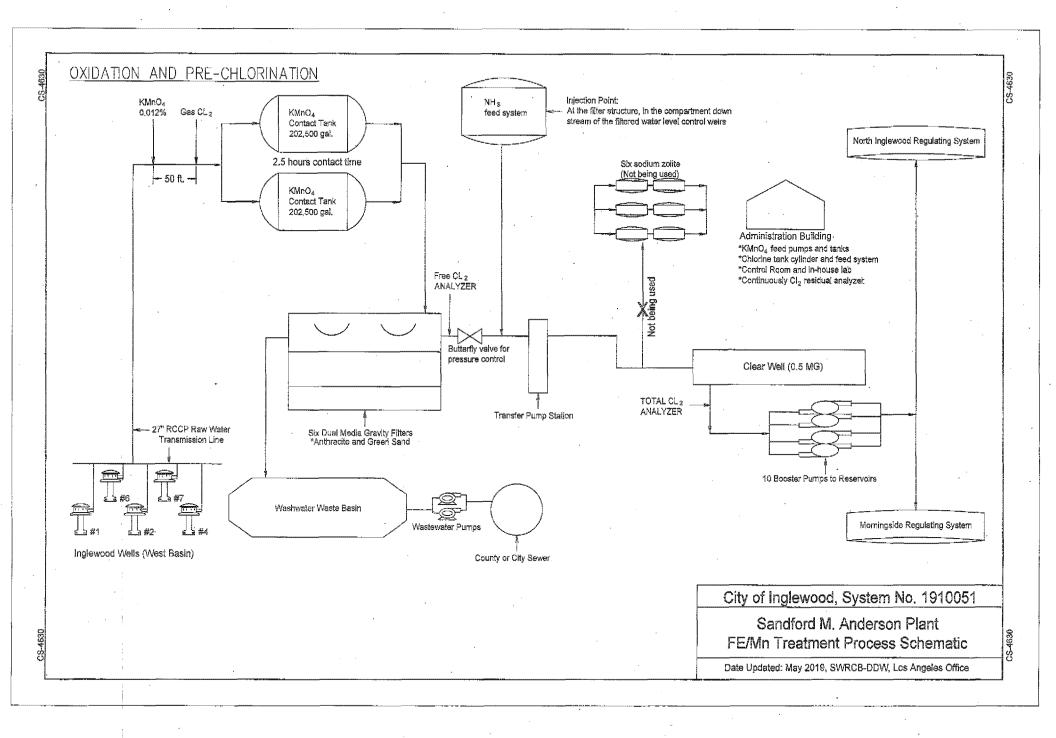
cc: Karen Wong Associate Sanitary Engineer

APPENDIX 2

Service Area Map
Hydraulic Schematic
Schematic of Sanford Treatment Plant
Treatment Plant Data Sheet







STATE OF CALIFORNIA DEPARTMENT OF PUBLIC HEALTH DIVISION OF DRINKING WATER

IRON AND MANGANESE REMOVAL PLANT DATA

System Name: City			System No.: 191	0051
	on: DPH Files/ System Files			
Collected by: Ismae	el Perez		Date: <u>July/2018</u>	
Name of water treat	ment plant: Sanford M. A	inderson Water Trea	tment Plant	
ENERAL INFORMATION	N/			
	riations: 2.3 MGD to 5.2 M	GD		
Design flow:				
	4.0			
	checked: <u>Daily</u>	**************************************		***************************************
		y - 7107-0 000000000000000000000000000000		
aw Water Pumps				
Source	Production capacity	Horse power	Flow variation	Control
Well #1	800 gpm	150 HP	5%	SCADA
Well #2	600 gpm	150 HP	5%	SCADA
Well #4	800 gpm	350 HP	5%	SCADA
Well #6	1500 gpm	200 HP	5%	SCADA
Well #7	1500 GPM	200 HP	5%	SCADA
	DISINFECTION/OXIDATION	I		
	Chlorine Cylinders			· · · · · · · · · · · · · · · · · · ·
	hlorination / Post-Chloramina	ation		
Dosage: 16 mg/			, , , , , , , , , , , , , , , , , , ,	
is the chemical a	dded continuously? Yes			M
hemical Storage				•
Capacity: 12,0	00 lbs			
Days of storage:		**************************************		
	hen it is added to the system	: Solution		
	tion: Treatment Plant Headw			, M
eeding and Injection E	quipment			•
Type: Wallace 8				
Capacity: <u>2000 l</u>				
What determines	the dose that will be used?	Operational Data &	Breakpoint Demand	
		·		
THER CHEMICAL US				
Purpose: Post-	Chloramination			- N-9-000000001.1.1.1.1
Type: Aqua Ar	mmonia 20%			
Dosage: 5:1 Cl2				·
Is the chemical a	dded continuously? Yes			

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Che	mical Storage					
	_		<u>/ertical bulk storage ta</u>	nk		
		rage: 58 D			35.000	
	Chemical f	orm when it is	added to the system:	Solution		
	Points of a	oplication: Pe	ost- Filtration			
		-			•	
Feed	ding and Injec	tion Equipme	ent			
			<u>tive Displacement Pun</u>	nps		
	Capacity:	2.8 GPH				
	What deter	mines the do	se that will be used? <u>Fi</u>	ilter <u>Free Chlorine Residu</u> a	1	
				•		
ОТН	IER CHEMICA					
	Purpose:					
	Type: KI					///
	Dosage <u>0.</u>			\$ A MANUAL		
	is the chen	nical added co	ontinuously? <u>Yes</u>			
<u>مار</u>	missi Ctarana				•	
Cne	mical Storage	4000 mallam				
		4000 gallons				A35555550000 - YANK
		rage: 110 D		Calution 4 E9/		
			eatment Pl <u>ant Headw</u>			
	Fullis UI a	opiication	eaunent Flant Heauw	JIK 5		MARKET THE LAND AND ADDRESS OF THE LAND AND ADDRESS OF THE LAND AD
Foor	ding and Injec	tion Fallinm	ant			
			tive Displacement Pun	ne		
	Capacity:_		ivo Displacement an	100		
	What deter	mines the do	se that will be used?	Influent & Effluent Fe & Mr	Concentrations	
			Married Company of the Company of th		0.1100.1.001.101.10	
		,				
CHE	MICAL MIXIN	G ·		·		
	Type: Ste	el baffled tan	ks			
	Number:_t			· · · · · · · · · · · · · · · · · · ·		
			ment FRP 25 degree t	riple action	-	
			utes @ 8.64 MGD			
				:		
FILT	ERS					
	Type: Grav	ity dual Media	/Constant RateN	lumber: <u>6</u>		
	Filter inside	dimensions:	11' X 22'	44.4000000000		-1-1
000	Describe fi	ter maintenar	ice: <u>Performance</u>	<u>Monitoring</u>	004444699999999999999999999999999	
L	Media	Depth	Effective Size	Uniformity Coefficier	nt Specific Gravity	
	Greensand	18"	0.3-0.35	<1.60	2.4	
	Anthracite	18"	0.6-0.8	<1.4	1.6-1.7	
Land	0000018					,
	Gravel-Nur	nber of Layers	3: <u> 5 </u>	Total depth: 15"		
	Media area	per filter:	242 sq ft	Total media are	a: <u>1452 sq ft</u>	
	Under drain	n type: PVC	Perforated			
Filtr	ation Rate at I	Design Flow:				-
			4.0 gpm/sq ft			
			e: <u>5.0 gpm/ sq ft</u>			
	Llove in filter	tion rata aant	rolled: Hydraulically			

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Filter backwash										
		or interval of backwashing?	NTU/ Head Loss/ Hou	irs of Service						
Filter to wast					4					
		ixed water surface wash	Conformation design	lines O main		·				
Surface wash			Surface wash dura	ion: <u>8 min</u>						
		er: filters in service								
		/isually observed? <u>Yes</u> : 16 gpm/ sq ft								
		, to gpin/ sq tt backwash: 50 %	·							
		e: <u>filter inlet valve closes, wa</u>	aste water valve onen	e curtaca was	eh valve	onene eurface				
wash valve o	inses waste	water valve closes, filter inle	t valve opens	s, surrace was	DIT YEIVE	opens, sunace				
***************************************	10000, 110010	TOTAL CONTROL TO THE CONTROL THE CONTROL TO THE CON	c valle opolie.	······	***************************************	**************************************				
Waste Washwater B	lasins									
Type of basir	n: Reinford	ced concrete rectangular bas	<u>in</u>	:		00000000000000000000000000000000000000				
	Number of basins: one Detention time: 24 hours									
		r backwash: 52,000 gallon								
Washwater d	lisposal or re	cycling: <u>Disposed to LACSE</u>)		····					
		11-0-410-001000000000000000000000000000		onence accessorace accessorace accessorace		00000000000000000000000000000000000000				
Sludge dispo	sal: <u>LACSL</u>)				V. 70001 HON				
		•		•						
CLEARWELL										
	forced concr	ete rectangular tank	Capacity: .834	MOD						
Detention tim			Capacity	IVIGD						
Detention and	ic. <u>2.011100</u>	113	· · · · · · · · · · · · · · · · · · ·	, , , , , , , , , , , , , , , , , , , ,						
RELIABILITY FEAT	JRES AND	MONITORING								
Parameter	Location	Grab Sample (frequency)	Continuous	Recording	Alarm	Shutdown				
1	Table		Monitoring							
Cl2 Residual	Effluent	Analyzer	Yes	Yes	Yes					
Cl2 Residual	Effluent	Rver4y for hours			-					
Cl2 Residual	Filters	Analyzer	Yes	Yes	Yes					
Free NH3-N	Effluent	Once a day								
NTU	Effluent	Every for hours								
NTU	Filters	Analyzer	Yes	Yes	Yes					
NTU	Effluent	Analyzer	Yes	Yes	Yes					
Fe	Effluent	Once a day								
Mn	Effluent	Once a day								
Ph	Effluent	Analyzer	Yes	No	***************************************					
Conductivity	Effluent	Analyzer	Yes	No						
Color	Effluent	Every four hours								
				**************************************		<u> </u>				
Standby equi	pment: non	e								
Standby pow	er: <u>non</u>	e								
Discussion a	nd Appraisal	: None								
			•							
TREATED WATER O	•									
		5 mg/l total chlorine residual								
% of iron red			ige of Effluent Iron Lev							
% of mangan	ese reductio	n: <u>80%</u> Ran	ige of Effluent Mangan	ese Level: _no	on- detec	ct to 30ug/l				

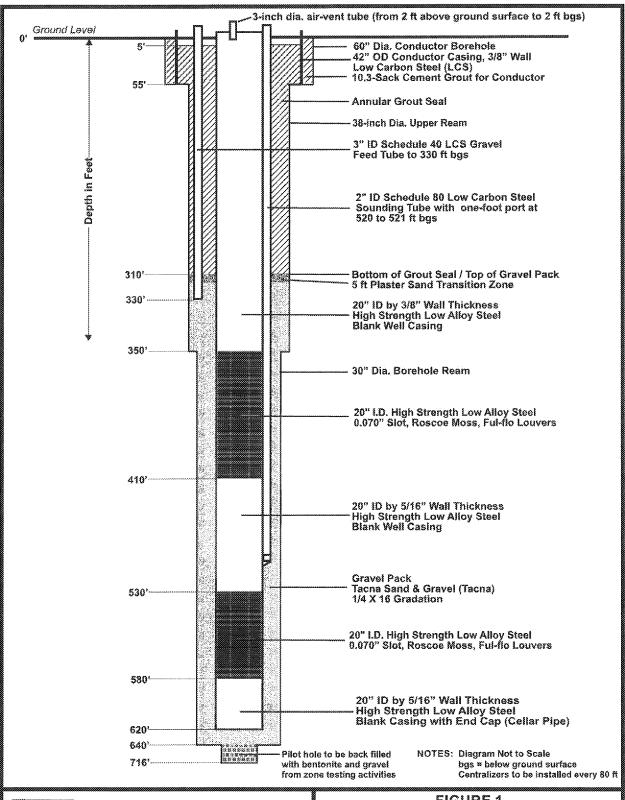
OPERATIONS

Gonstituent	Monitoring Frequency (continuous/daily/weekly/monthly)
Iron, Manganese, Color, NTU, Odor, Ammonia,	Weekly at plant influent, Monthly at wells
Free and Total residuals, NTU, Color	Every for hours
Combined Residual, Free NH3-N	Daily

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APPENDIX 3

Well Diagram
Well Data Sheet
Pump Test Results
Title 22 Test Results
Bacteriological Test Results





RICHARD C. SLADE & ASSOCIATES LLC CONSULTING GROUNDWATER GEOLOGISTS 14051 Burbank Bivd., Suite 300 Sherman Oaks, CA 91401 Southern California (818) 506-0418 Northern California (707) 963-3914

FIGURE 1 FINAL RECOMMENDED **WELL DESIGN DIAGRAM** CITY OF INGLEWOOD WELL NO. 7

Job No. 496-LAS02

April 2018

WELL DATA SHEET (Page 1 of 3)

Complete as much information as possible. Leave blank if information is not a	/allable, use N.A. if not applicable.	
* Indicates items required for Source Water Assessment		
** Indicates additional items required for assessments and Ground Wat		
	(separate multiple entries in field with semi-colon)	Actual, Estimated or Default?
DATA SHEET GENERAL INFORMATION		
System Name	City of Inglewood	from SWRCB database
System Number	1910051	from SWRCB database
Source of Information (well log, SWRCB/County files, system, etc)	Site Feasibility Report	
Organization Collecting Information (SWRCB, County, System, other)	Other	actual
Date Information Collected/Updated	April 5, 2016	actual
WELLIDENTIFICATION	A CONTROL OF THE PROPERTY OF T	
Well Number or Name	Well No. 7	actual
SWRCB Source Identification Number (FRDS ID No.)	1910051-19	actual
OWR Well Log on File? ("YES" or "NO")	Yes	actual
State Well Number (from DWR)	02S14W33F001S	actual
Well Status (Active, Standby, Inactive)	Active	actual
WELL LOCATION		110000000000000000000000000000000000000
atitude	33.95292	actual
_ongitude	-118,35515	actual
Ground Surface Elevation (ft above Mean Sea Level)	105 ·	Estimated
Street Address	101 Arbor Vitae St	actual
Nearest Cross Street	South Grevillea Ave	actual
City	Inglewood	actual
Sounty	Los Angeles	actual
Neighborhood/Surrounding Area (see Note 1)	Residental	actual
Site plan on file? ("YES" or "NO")	Yes	Pending
DWR Ground Water Basin	Coastal Plain of Los Angeles	actual from DWR
DWR Ground Water Sub-basin	West Coast Basin	actual from DWR
SANITARY CONDITIONS	The second secon	A CONTROL OF THE CONTROL OF T
* Distance to closest Sewer Line, Sewage Disposal, Septic Tank (ft)	69.60	actual
Distance to Active Wells (ft)	5,200 ft	actual
Distance to Abandoned Wells (ft)	Unknown	actual
Distance to Surface Water (ft)	5 miles	actual
** Size of controlled area around well (square feet)	3,000	actual
Type of access control to well site (fencing, building, etc)	Fencing	actual
Surface Seal? (Concrete slab)("YES", "NO" or "UNKNOWN")	Concrete Slab	actual
Dimensions of concrete slab: Length(ft)/ Width(ft)/ Thick(in)	91/33/1,25	actual
' Within 100 year flood plain? ("YES", "NO" or "UNKNOWN")	No	actual
Drainage away from well? ("YES" or "NO")	Yes	actual
NCLOSURE/HOUSING	20000000000000000000000000000000000000	
Enclosure Type (building, vault, none, etc.)	None	actual
Floor material	Concrete	when completed
ocated in Pit? ("YES" or "NO")	No ·	actual
Pit depth (feet) (if applicable)		
VELL CONSTRUCTION		
Date drilled	3/15-3/17/2018	actual
Orilling Method	reverse circulation	actual
Depth of Bore Hole (feet below ground surface)	716	actual
Casing Beginning Depth/Ending Depth(ft below surface);	0 to 620	actual
2nd Casing Beginning Depth/Ending Depth; 3rd Casing, etc.		700000000000000000000000000000000000000
Casing Diameter (inches); 2nd Casing Diameter; 3rd Casing, etc.	20	actual
Casing Material; 2nd Casing Material; 3rd Casing, etc.	High Strength, Low Alloy	actual ·
2 000 E- 00- 00, 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	A STATE OF THE PROPERTY OF THE	AND
Conductor casing used? ("YES", "NO" or "UNKNOWN") (See Note 2)	Yes	actual
WELL CONSTRUCTION (continued) Conductor casing used? ("YES", "NO" or "UNKNOWN") (See Note 2) Conductor casing removed? ("YES", "NO" or "UNKNOWN") Depth to highest perforations/screens (ft below surface) (or	Yes No	actual actual

WELL DATA SHEET (Page 2 of 3)

Complete as much information as possible. Leave blank if information is not av	allable, use N.A. if not applicable.	
* Indicates items required for Source Water Assessment	T	
** Indicates additional items required for assessments and Ground Wate	r Rule	
Screened Interval Beginning Depth/Ending Depth (ft below surface); 2nd Screened Interval Beg. Depth/Ending Depth; 3rd Screened Interval, etc.	352 to 410 532 to 581	actual
* Total length of screened interval (ft) (default = 10% pump capacity in gpm) (or "UNKNOWN")	197	actual
Annular Seal?("YES", "NO" or "UNKNOWN") (See Note 3)	Yes	actual
Depth of Annular Seal (ft)	310	actual
Material of Annular Seal (cement grout, bentonite, etc.)	cement grout	actual
Gravel pack, Depth to top (ft below ground surface)	310 to 636	actual
Total length of gravel pack (ft)	326	estimated
AQUIFER		
* Aquifer Materials (list all that apply: sand, silt, clay, gravel, rock, fractured rock)	clay, silt and sand	actual
Effective porosity (decimal percent) (default = 0.2) (or "UNKNOWN")	0.2	default
Confining layer (Impervious Strata) above aquifer? ("YES", "NO" or "UNKNOWN")	Yes	actual
Thickness of confining layer, if known (ft)	180 (combined total to 340')	actual
Depth to confining layer, if known (ft below ground)	80	actual
Static water level (ft below ground surface)	112	actual
Static water level measurement: Date/Method	5/18/2018/Sounder	<u>actual</u>
Pumping water level (ft below ground surface)	208	actual
Pumping water level measurement: Date/Method	5/22/2018/Sounder	actual
WELL PRODUCTION		
Well Yield (gpm)	1,500	<u>actual</u>
Well Yield Based On (i.e., pump test, etc.)	Pumping Test	actual
Date measured	5/22/2018	<u>actual</u>
s the well metered? ("YES" or "NO")	Yes	actual
Production (gallons per year)	693,000,000	estimated
Frequency of Use (hours/year)	462,000	estimated
Typical pumping duration (hours/day)	22 hr /day	estimeted
Make	Goulds	actual
Гуре Size (hp)	Submersible	actual
	200 1,500	actual
Capacity (gpm) Depth to suction intake (ft below ground surface)	300	actual actual
ubrication Type	Water (Submersible)	actual
ype of Power: (i.e., electric, diesel, etc.)	Electric	actual
Auxillary power available? ("YES" or "NO")	No	actual
Operation controlled by: (i.e., level in tank, pressure, etc.)	SCADA	actual
Pump to Waste capability? ("YES" or "NO")	Yes	actual
Discharges to: (i.e., distribution system, storage, etc.)	Water Treatment Plant	actual
REMARKS AND DEFECTS (use additional sheets as necessary)		₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩ ₩

Desc: 5-14-18 Pesc 1

Customer: CITT of TNGLE WOOD \$ 7 WELL

Joh No. 47 14675

12" MOCROM

Sizio i

Static level 1121 From

Hours/Page 4.0 Total hours 4.0

18152 000 1827 8000 Operator: Airline depth 318.0 Feet Top Perf 3500'

G.P.D. 146,000

Incommentation of participation of the same	·	egranas - 1948 dend sudice have	The same of the sa		P.	E. 327	93	VTu	
Time	P.P.M.	GAN	Pumping Lovel	Draw- down	Engine R.P.M.	Specific Capacity	Composida		TS
7:30 2:30		FIRST	STARS	A CONTRACTOR OF THE PARTY OF TH	TANK		Oznaki was		
2.33	55.39PM		l et Ass				RED & LITE MUSOT I MIN	}	
2:40	Boom	තියන	147.8	48, T	942	16,412	CLEAR VERY CLEAR	17.1	-
2:50	106 88	1250	1909	71.8	1645	17,40	The property of the property o	13	<u> </u>
2:59	STA	et af	FER IS	urcie		1439	CLEAR		<u> </u>
3:14	7-8 7-3-694	1400	207.1	88.C		and the second s		4.41	<u> </u>
3:20		Wall-control with the ball of the second of the second	rer 3		liac	15290	YERY CLEAR	534	-
3:40	E STE	1800 1800	242 Y				CLEAR	16.5	
4:05	STA				PoEI	M.53_	CLEAR	34	<u> </u>
4:25	24			<u>50.R&S</u> 1249'		B. et	CLEAR	15.4	 -
	327	2000	1		1360	16-01	CLEAR	4,2	
<u>H:40</u>	2.76.886	tur'	LAETER				CLBAR	163	***************************************
<u> </u>	76,81		251.2	132.1	1440	18-51	CLEAR	4.6	
_كالق	2-3	STARK	<u>aeter</u>	<u>4 508</u>			CLEAR	17.0	1
<u>5.35</u>	66-2W	2460	252.0	132.9	The second secon	18.51	CLEAR	9.14	ļ
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<u> 7:00</u>	35.00	2500	<u>253.0</u>	1339			CLEAR	7.2	
6:30	SHUD	Down	PICK	<u> 10 عب</u>	as_				CONTROL OF STREET
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Date: 5-15-18 Pens 2

Customer: CITY of INGLE WOOD \$7 WEY

Job No. 25- 166.75

MotorGALX LOCO
18298 CCC
18900 CCC
Operator: Parter

Static level 123.3 Feet Airline depth 318.0 Feet Top PERF. 350'

Hours/Page 10.0 Total hours 14.0 G.P.D. 602,000

	And 6224289 is 622				P.E. S	32793		NTE	
Time	P.P.M.	g.rw.	Pumping Lavel	Grav- Genn	Engino A.P.M.	Specific Capacity	Comments	1	TSS
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8:20	3.7 6	1500	beo. 1'	76.2	Hee	19,48	CLENR	3.9	
8:40	ST/	ART A	ETES	4 542			CLEAR	14.1	
9:00	Zogra	1428	<u> </u>	78.6	(JOO	18.16	CLEAR	3,5	
9:30		ra <u>8</u> z e	ETER. 3	Swa	GES		CLFAC	89	
9:40	2.05% 53.56%	2025	239.4	บระวั	1300	17,53	The state of the s	3.1	
10:00	دی	tur o	500	REFAI			SCHARGE		Ambrica, I ragion
11:15	<u>U.</u>	P\$ R	برين لاس	3			CLEAR	4.2	i
<u> 11:33</u>	1.4 40 99M	<u> </u>	240.6	116.7	1320	17.40	CLEAR		
11:40		START	AFTER	13 Sw	2G.G.S		AP	8.8	ARREST LIFE
12:00	46.87	7רינ	266.0	142.1.	1410	15,32	CLEAR		*******
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12:32	45 Pen	2312	277.5	153.6	145 0	15,05	CLEAR	3.4	
12144	STAR	T AFTE	ER J S	<u>urges</u>		- Annual Control of the Control of t	CLEAR.	5.3	
1:04		24.75	285.6	161.7	1500	15,30	OVER FLOWS 256PM	7.2	
1:35	4. 4	2460	290.2	167:2	1500	1420	LEFT RUNING 3AWD TES	5.9	
2:07	<	ART A	eter.	ای ما	RGES		CLEAR	9.6	ſ
Q\32	3-9.00	2123	245,2	121.3	1278	17,50	CLEAR		
3:05	ST		ETEIS	10 20	raes		CLEAR	8.2	
3:45	22.58	1734	225,3	101.4	1206	17.10	CLEAR	6.1	
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Date: 5-16-18 Page 3

Customer: CITY of INGLE WOOD \$7 WELL

Job No. 27= 46675

12"MERROM Weter_X 18900000

Static level 128.0 Airline depth 318.01 _Feet TOP PERF. 350'

Hours/Page __ Total hours __

Operator: PORTER

P.E. 32773

G.P.D. PUMP SILTS ROM WELL DEVELOPMENT Punping Oraw-Enome Specific Time P.P.M. G.P.M. FAU TSS Comments Lavel down R.P.M. Capacity 7'00 ART ARM 尼わしての外のいて 7:05 START ASTE CLERR COL DAIN 7:20 16 40 40.6° 218.6 1206 13.65 CLEAG 40,29 7.30 92.0 17.43 CLEAR 8:05 ARGES 4 CLEAR 513 53.08 8:20 1724 215.4 87.4 19.72 CLEAR 8:25 FIFR CLEAR 1.0 35.08 8:40 216.8 8,88 1225 19.81 CLEAR 8:43 AFTH STAR CLEAR **8** 57 agg.a 1840 IOI.A 18.42 CLEAR 1.0 9:04 TART RCG CLEAR P.7 9:20 1264 18,49 CLEAR 19 9:25 RCFS CLEMR · 2283/L 9: 45 37 18P F. B, 3 P. H. 2406 110.7. 1320 17.76 CLEAR 73° F 13° F 25'6 MS/cm 9:51 -5 u CLEAR 10:06 113.7 1302 17.62 LEAR .0 10:10 Sua LES CLEAR 241.7' 113.7 10:25 1326 17.62 CLEAR ST ART 10:45 REES CLEAR 7.1 10,00 2004 1326 3.O LET RUN TO CHEC SAND & VIELD SAND ECON AFTER 15 2004 243.6 115.6 17.33 1326 CLEAR 11:34 1326 17,64 19 CLEAR 11:40 STAG REES CLFAR 79.40g 4.9 11:55 2004 17.64 CLERE 113.6 1324 241.6 1157 CLEAR 1:33 17.7 11 113.6 17.64 surkes 12:17 17.64 113.6 241.6 万十八八十 12:35 STAR AFTER SHOUT 1;3,4° नि मुस्यान 2004 241.6 1136 1326 1768

Date 5-16-18

Customer: CITT of INGELWOOD *7 WELL

Job Ma-27- 76675

12"MEROM.

Meter X 7800 7800 1995 7800

Static level 128.0 Faci Airline depth 318.0 Feet Top PERF 358

P.B. 32793

HousePage LL.5 Total hours 25.5 app 952,000

Operator: PORTER

WORKING ON SILTS Pumping Draw-Engine Specific Three PPM. G.P.M. Comments FAU TES Lovel Com A.P.M. Capacity 721.50 PAGE PAGE ုိပ္ TART FTER 9 DOWN GRAVEL 24.78 2004 2415 1326 CLEAR 2.4 750AI 444 CLEAR CLEAR 120.67 248.4 2.689 2000 CLEAR B MAS 1320 10.60 .81 CANT AWOL TO हिंदा STOP START tapers off to 2.3 874 2:13 118.2 246.2 335 17-10 CLEAR 2:30 121.4 1339 16.68 CLEAR .94 2:35 TYPATE CLEAR 15,228 2:55 2004 241.3 1133 1326 17.68 CLIZAR 2.2 2:57 SARLO 3:12 ছ৪.৪*°* 19.81 1220 CLEAR 3:14 FLO IGHER CLEAR 16 13.68° 3:29 2.9 \mathcal{E} , \mathcal{P} 121,3 1332 16.69 CLESS 3:31 STORGET CLERG 1:1 19.4 m 249.3 3:46 121.3 13:31 83.11 CLEAR 3:48 STOP START CLEAR 19.4 121.3 4:03 2025 249,3 1330 1.1 16.69 CLEAR دّ ۵۵ 121,5 4:13 CLER 1.8 0561 16.69 4:15 le 6 CLEAR 4:35 87.8 1730 215.8 1205 19.70 CIFAR 4:40 HIGHE **STOP** 7.7A CLEAR 5700 2150 260.7 380 16.20 CLEAR 49 START ETOP CLEAR R FLE 5:05 31.888 3.0 1420 15.81 CLEAR حد جان STOP 5125 TOATE CLER 3.8 11.969 5:45 115.6 1315 1990 243.6 17.21 CLIEAR 6.00 RE START AFTER 10 NS CLEAR 34 •18 6:20 205.8 77.86 19.92 1550 1180 CLEAR 7.43 65:2 SHUT

Gustomer: CITT of TUCE WOOD *7 WELL Job No.# 46675

12"MCCRON

Meteoph x 1000 Static level 1288 Feet Hours/Page
19852 cc Alving depth 318.0 Feet Total hours
Top Perf. 3.50.0 P.E. *32793 G.P.D.

worker on spub.

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Three	P.P.M.	GLP.M.	Fumping Level	Oraw- down		Specific Capacity	e	omnenia	FAU	TESS
7,00	57	JCT_T	EST E	SUL B	WAR	200	SURC :	EWEW		1
7:20	Lita	تعميد	E AFT	ER 43	Line Carlo	f lang	Č L EAR			
7:22	345.762	1650	200.7	78:3		22.94	< 1	Militarii interprinte per reprinte per per per per per per per per per pe	4.90	T
7:39	33.177	1615	364.3	75.7	1145	21.41	VI		3.6	
7:40	53°°	1604	203.1°	79.3	1145	20.22	t.	Makin Mahayangan yani yak ayangaya kak da alimi, ku Maundia dia da sa sa ayang di sasaka da s	a.7	1
7:50	L.OF	153o	210,4	ರ್ಷಣಿಗ	1145	181-74	K .	The state of the s	1.10	
8:00	9.5 ^{67*}	1528	211.4	81.4	1145	18,72	L.			
୯୬୦୩	<u> </u>	HET AF	TERL	SURGE			tc	- Майй «Антина» и постоя по по	4.1	
8:24	21.287	1765	217.1	88,3'	1220	19,98			0.4	
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	1.0 35:3	1790	<u> </u>	93.3′	1228	19.18			1.98	3
9:22		STARK	AFTRE		3G-E		11		4,6	
9:37	42.4990	<u> 1001</u>	241.6	112.8	1320	17,76	£ (23	
9:40		STAST A	eter 2	SURC	ES		((41,4	
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11:45	1.78PM	2300	264.8	1360	1433	16.91	M	N.	<u> </u>	<u></u>
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Date: 15-17-18 Page 4 Customer: CITY of INCLEWOOD MELL Job No. 98- 14675 12 MCGROM Static level 128.8 Feet Airline depth 318.6 Feet Matercal X loop HourdPage LO.5__ 19852 000 Total hours 34.0 PE \$32793 20594000 742,000 G.P.D. Operator: PORTER WAKING 00 5 AUD NTU Pumping Draw-Engine Specific Time PPM. GRM. Comments fau tse Lovel COME nem. Consolity TENSTERMENT DROW CIPAL 12:33 47.784 2281 2664 1400 17.20 CLEAR ROE 12:58 473 1 261.3 2280 132.5 0011 17.20 2280 1400 17.12 4 1:47 1 2:04 START 5.0 LRCE 2:24 132,3 2:30MPTERI SURCE ŧ/ START 2:50 ŧ. 2250 1313' 260.1 OFEI 9 ч 3:00 3:20 1400 17.12 8. 3:25 FLOW " حاه. د 3:45 1034 3:50 START 1 43.6 \$ 12 STEP TEST SET UP. 4:15 5:00 AU TRANS PLUER 5:80 off スドてた VERY GOOD LOVOKING SANO STEPS 4 HRS earn 1200 4000 -170C 2000

Date	الحر	8-1	Ĉ. Pe	1ge Z	terapostaleicaribanssa
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Customer: CITY of INGLE WOOD \$7 WELL

JOB 140:27- 11667.5

12"MCCROM

Static level 128.8' Feet Airline denth 318.0' Feet Hours/Page _____ Total hours _____

20594000

Airline depth 318.0 Feet 8.2793

G.P.O.

Operator: PORTER EVANS STEP TEST *1 NIL Pumping Draw-Specific Engine Time PDM. G.P.M. FAU TES Comments Level down P.P.M. Capacity 20 157 OC 1:00 1045 CIBAD 21,280 205-968\$ 179.15 50.35 1046 7:02 1340 2661 20,599 50 182,9 7:04 1330 J.H. 1047 82.4C 9 A PM 184.55 1320 55.7° 23.29 1048 7:06 ॱई्फ्रिन्न 7:08 1315 850 1050 23.02 CRYSTAL CLEAR 33000 2060/32 1310 186.91 7:10 58.11 1052 22.54 I.OW 2061378 1292 188,47 J.PE 7:15 1052 21,67 2.000 98 189.21 1240 60.41 1052 20.52 20619 7:20 3 John 2062600 7:25 1208 2.5m 189.71 60.91 1052 19.83 7:30 1286 193.64 64.84 1068 243 19.83 -315 -356 -486 -386 -386 2063888 194.21 7:35 1290 65.41 6901 19.72 7:4.0 <u>45.</u>87 1300 194.47 1068 19.73 ጋለራዣ -10. Tree-804 7:50 1068 ا تدعاما 1068 19.06 2067691 46.95 0801 195.75 1068 ප් : පර 11.91 43,... 45,... 2968|346 67.27 8:10 1250 196.07 1068 18.58 2 ped600 47.5 8 20 1268 196.3 1068 18,43 2070 b 67 67.7 1260 196.5 8:30 1068 18.61 NTU .98 10 2d72| 4:40 1250 1068 18,42 2674600 9:06 1267.1 AVG. / 2 hrs 1248 196.85 68,05° 1068 18.33 2 676H80 68.25° 197.05 9:15 1248 18.28 8201 9:30 267833 1246 197.23 68.43 1068 18/20 ·\$110° P.H. C.8 TEMP 21-2°C E.C., 667 m5/cm T.D.S. ,332 311 9:45 197.54 od sole 1240 68.7 18.04 1068 .51 197.8' うりるコウュ 1230 69.0 1782 10:00 10681 -51 10:30 11rlc80c 197,97 171.92 1228 1068 .51 <u>368938</u> 11500 198,01 1224 10.93 1068 CRYSTAL CLEAR GALLOUS PUMPED 299889.9. AVA. FLOW 1249.5 W 40 0 H. P. = 62.0. O.H. P. = 90.1. 0 80 0 DISCHARGE PRESSURE DESIGN 386 T. D.H. 6 120/ 9 PM = (193 w 4500) = 173,1 B.H.P.

Commerce ITY of INGLE Was

Date: 3-18-18 *7WELL Job 190, 37- 46675

MeterGALX LOOP

Static level 128.6 Feet Airline depth 318.6 Feet TOP PERF 350.0 P.E 32793

House Page

Operator: PORTER EYANS

Total hours G.P.D.

Contraction of the Contraction o	The state of the s	 	3	-	STEP	×2 ·					
Time	P.P.M.	are.	Pumping Lavel	Dravz- down	Engine R.P.M.	Specific Capacity	Cox	imenis		FAU	TES
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H:08	150 m	<i></i>	214.9	86.1	1169	18:07	eg	·	.09		
<u> 11:10 </u>	373 77	1550	215.27	86.47	1167	17.92			209		7
11:12_	2.1874	1426	218.53	89.75	1179	18,05			201		
11:20	53"	الهاع	219.89	91.09	1187	17.69			20	125	ತ್ರ €
11:25	3.51	1650	230-7	919'	1190	17,95			50g	33	8 10
11:30	1,0 647	1410	221.01	9221	1196	17.46		دي احت	20	141	80¢
11:35	.613 .53 .613 .38	1635	·222,90°	94.1	1176	17-37			1.	. 1	OCO
TI:AO	39	1632	222.97	94.17	1176	17.33			2 🕓		1
11:đơ	. 70 2185"	1630	223,21	94,41	1196	17.26			20	. 4	1
1150	1.066k	1628	<u> 223,4 ′</u>	94.6	1196	17,20			70	179	600
12:00	4,246	1630	223.7′	94.9	1196	ודי.ודו	16185 AVE.		20	191	စင္တစ
15:10	1.068	<u>638</u>	223-95	<u> 95, i5 '</u>	1196	17.21		· •	210	07	400
12:20	.8i .53 ⁶ 6	<u> </u>	224/18"	<u> </u>	1196	17.19				223	990
12:30		1634	<u> </u>	95.5 '	<u> </u>	17.10	Annahari dan masan pambang pengkanang serbanah banda b		21		
12:45	• <u>बर</u> रूर • हा	1636	224,55	95,75 '	1176	17.08			214	ሂ-ዣ	620
1400	1.735	1630	<u> </u>	96.0	1196	16.97	CRY CLEAR	giga. Dan sampanan bandan pangangan pangangan bandan pangangan pangangan pangangan pangangan pangangan pangangan pan	عد	22	000
LHA	"35P"	1627	224.8g	96,08	1136	16,93	it. It				9 cc
1:30	.35(P* .35(P*) .35(P*)	1626	<u> 224.88</u>	96.08	1196	16.92	Walion and the second property of the second seco		111	37	130
T: 42	.35°°°	1621	225,16	96,36	1176	16.82	1941.625	2814	<u> 2 I I</u>	a .º	80
<u> </u>	.83 .83 .83 .83 .83	1621	<u> </u>	96,51	1196	16:79	FIG. 1703 1				400
<u> 2:36</u>	. 33597m	1620	025-61	96.81	1196	16.73	and the state of t		214		
3:00	* 87 PPM	1620	22 <i>5.</i> 34	97.06	1196	16.69			112	23	600
Tot	AL GA	LLONS	PUMPES	, 3897	O. A.	10. G.S	M. FLO 162	3.8.	-]		
	1 1		r :				P. = 92.4.		<u>اور د</u>	***********	
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								na katalan da mananga da katalan d			

Date: 5-18-18 INGLE WOOD *7 well-Job No. 87- 14475 12"MOCROM Static level 128.8 Meteron-X 1000 20594 00 21818 9 30 Fast Hours/Page 12.0 Airline depth 315.0' Feet Total hours <u>48.0</u> P.E 32793 1224.950 G.P.D. Operator: PORTER

EVAVO

12		TOPLE			وخوب من نهر مروس المراجعة المناسبة المن	¥3 ·	9			
Time	P.P.M.	G.P.M.	Pamping Level	Draw- down	Engine R.P.M.	Specific Capacity	Comments		Fau	TSS
3:00	BIFTOM	Anot 3	HEET	***************************************	and the state of t	***************************************	and the same of the same of the same	2	ធន	3 G4
3:07	68,300	2280	255.5	126.7	1410	17, 99	CRISTAL CLEAR	2	295	e8d
3:09	49.300	SEEC	259.6	130.0	1410	1752	L.C. K.	1	24	7.48
3:06	7.98	2276	260-15	131.35	1410	17,:32	(1	a	ฉฯ	370
302	47.358	2240	361.28,	132.48	1410	17.05	f c	2	38	2000
3:10	10.69	2238	262.04	133.24	1410	1466	IS A)	a	730	£24
3:15	4.248	2238	263 <i>5</i> 7 ′	134277	1410	اله اله ال	16 -4	21	210	570
3:20	LOWER	2250	264,49	رعي: ۲3 ا	1416	16,58	(1)	21	378	986
3:25	PPM	22 4 0	265,05	136.25	1410	16,44	11 . 11			050
3:30	1383 cm	248		1.36-8.	1710	14-73			35 I	
3:35	5.300	22.55°	266.05	137.25	OFFL	16.39	- The tradition of the trade of)		750
3: HO_	2,0,689	2250	264.35	137,55	1910	16,35				910
3:50	3,35	2235	266.81	138,01	1410	16.19				250
4:00	3.38	<u>2238</u>	267.33	138,53	1410	14,15				<u>300</u>
410	3.00 Pm		267.71	138/9	JM10	16,10				980
4:26	13.658	2238	268,03 [']	139,23	1410	16.07	and gladelinides between property and the state of the st	1		390
4:30	4,000		268.4°	139.4	1410	16,01			48	23
4:45	1.76	2234	268,7	139.9	1410	15.96	ATR.5	الذ	218	990
5:00	33800	2230	269.0	MO.2	1410	15,90	P.H. 4.8	. 21	22	
5:15	Pirken	<u> 2227</u>	269.3	140,3	1410	15-85	74° F E.C769 ms	213	85	800
<u>57:30</u>	2.5000	2225	269,58	140,78	1410	15.80	CRYSTAL CLEAR	210	18	<u> 53d</u>
5:45	17 (4)	2226	269.83	141.03	1410	15,78		210	Tüş	डप
6:00	2.7 1.76PM	בבב	270.03	141,2	1410	15276		216	83	Acc
<u>4:30</u>	1768	2220	270.55		1410	15.66		21	155	419
7:00	3.7600		270,91	AND DESCRIPTION OF THE PARTY.	1410	15.60		218	13	7 50
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75	HAL GA	MICHS	PUMPED	5353	JO.	AVG P	LO 2230,6 g.pm.	\		
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12"MecRON WELL 47

Job No. 27. 16675

21819500

And had III For Andre Capita Ble a Point Topulation & 340'

nosapege 7.9 Total herre <u>52.9</u> GPD.

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Annual Contraction of the Contra	And the second section of the second				1410		2005		process name assess
Thus	Pro.	4.P.	Funding Lavel	Orac- coun	Engira 226.	Specific Capacity		7510	
10:00		START	CONTU	عاوسر	1060		CLEAR 218	193	500
10:02	103 7,95 m	1500	181,2	535	1070	28,03	2 18	. 1	į
10:04	امري في	lo co	191,2	43.5°	11.32	23.62	ł .	23	1
10:06	7.95	اعتقام	194"4,	66.7'	1134	22.48	7.18	127	980
10:08	5.3 80%	1500	196.75	८°1,లహ		2171	11 218	31	600
10.10	7.9 PPA	1500	199,3'	71.6	1139	20,94	CRYSTAL CLEAR 21.	3 34	330
10:05	2.43 m	1505	201.6	73.9	1140	20.36	218	भा	300
10120	2.65-64	1516	264.2	76.5	1142	19.73	218	मप	0.50
10:35	1.3 PPA	1520	205,05	77.35	1148	19.65	g .	1	386
10:35	7.3 PPM	1526	208.27	80.57	1153	18.94	- 218	177	935
10:40	173 PPM	1526	208.78	81.08	1156	18.74	218	79	720
10:50	275	1532	212.68	84.98	1160	18.02	व्यह	ণঠ	<u>08€</u>
	128 pm			1	1172	1805	219	16	810
11,00	- 363-W	113713	213,27	85.57	1172	1	219	26	300
11:10	1.363	Ţ	213.87	86.17	1	17.98	219	41	<u>দাত</u>
11:20	1.29500	1550	214.36	84.54	1172	ספינון	219	37	उटल
11:30	· 295 • 295	1220	214.68	84.98	1113	17.82	219	86	200
11:45		115.30	215,20	87.5	1172	17.37	27	03	396
13:00	1298 1298 1298	1542	215.62	87.92	1172	17.53	(-3016 29	822	300
	298	1	215.99	88.29	1172	17,32	(1532,4 AVG. FLD) - 22	তিব	27
13.30	298	1530	216,25	88.35	<u> </u>	17:27			
12:45	1,298	1529	p.16.53	8883	1172	וברון	P.H. 6.8 22	693	576
1280	4	1527	21471	89.01	ברונ	<u> 17:15</u>	1-1 NC 250-11	٠.	845
1:3c	: 3 PA	1525	217.2	89.5"	1172	17:03	1	1	37
2:00	13	1523	217.3	89.4	1173	16.99	CRY CLEAR	l .	ऽ पव
2:30	Parents.	1522	י פוניבן	90.2	1172	14.87	- Control of the Cont		900
3:00	3	1520	218.1	90,4	1172	18.21	X 104)	1
3:30	F3	1556	220.6	92.9	1182	16.74			\$90
4:00	1.3	1541	991.0	93.3	1185	1/250		37	į
4:30	3179	1330	221.3	93,6	1185	16.55	1	नाद	1
5:00	431	1546	221/37	93,47	1185	16.49	2	416	314
								<u> </u>	
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Date: 5-21-18 Page 11

Customer CITY of INGLE WOOD WELL \$7

Job No. 34 - 46675

12"MCCROM

Static level 127.7 Feet Airline depth 318.0 Feet

Hours/Page 15.5 Total hours 70

Operator: PORTER

TOP PERF. 350, 340

GPD.

-		·	-		CONT		ELGU 22	, Fully and the second	3140
Time	P.P.W.	g.p.w.	Pumping Level	Draw- down	Engine R.P.M.	Specific Capacity	Comments	FAU	TSS
5:00	+31 ·	1546	221,37	93,67	1185	16,49	CRYSTALCLEAR NTW 7		
<u> </u>	(3 <u>)</u>	15.45	221,55	93,85	1185	16,46			940
6100	[-3]	1546	221,75	94,05	1185	16,43	(1534.3 AVG) 23	153	59
4:30	v3 <u>1</u>	1550	221,88	94,18	1188	16,45	, -	•	250
71:00	-31	1544	222.0	94,3	1188	16,37	1	7	843
7:30	.32 g	1544	222.10	94,9%	1188	16,34	2.0	2	975
8500	132 Tage	1540	222.26	94.56	1188	16.28	1.49240 22	7	0 95
7:30 PM	Trace	1535	2.22,36	94.66	1188	16.21	22		1000
9:00	124cm	1541	222.46	94.76	1188	16,24	22	833	
9:30	7354	1541	222.57	-94.87	1188	110.24	1135 440 22	879	90
12700	Diel	1533	222.65	94.95	1188	16.14		72	50
10:30	TRACE.	1525	222.75	95.05	1188	16.04	sand Accumulations Year Mirute, 22	971	Z50
11:00 Pm.	•33	1536	222.8	951	1188	12,17		oli	2 .
11:35	Takee +33 Takee	1536	222.9	95.7	1188	16.13	. 23	063	1
12.00°M	173	1533	222,97	95.27	1188	16.09	5-22-18 NEW DAY 23	109	500
12:3049	197,	1533	223.05	95.35	1188	16.07	. 23	155	500
100 AW	Tapla	1525	223.11	98,41	1188	15.98	1119 ATU 23	201	250
1:30	Tience	1528	223.17	95.47	1188	16.00	23	24/7	100
2:00 Ann	1335 TRALE	1534	223,22	95.62	1186	1605	. 23	293	12.5
2:35 Ani	724ce	1524	223.37	95.67	1186	15.98	- Land - Colon	339	
8019	:37 0:01	1525	223.35	95.65	11.88	15.44	23	385	750
8:35°	19019.	1533	223,4	95.7	11886	16.01	23		755
4:00°	Tarce	1524	224.44	95.74	1144	15,91	23	176	500
U.Zorm	124 Jenes	1533	223,5	95.6	1188	16.0	73-	522	São
5 W/M	Trove	ما ما 15	223.54	95.64	1188	15.61	73	1	800
5:30 AM	137	1533	7.23.59	95.59	1144	1598	w33	1	-
6.00 AVI	Terca	1516	223.65	95.95	1188	15.79	1		500
6:30 AM	1991e	1533	723.67	96,97	1184	15.97		7	500
Thatel	•34	1521	223,7	910	1186	15.84	, 73		150
7130 000	Teas	1528	223.73	96.03	1188	15.91	23	7	800
8.00 MM	134 136	1526	223,74	96.04	1188	15.88		84	160
1.3 My	trace-	ــــــــــــــــــــــــــــــــــــــ	1225716		1100	177100		T	T

13 Page 13

GUSTOMER CITY of INGLE WOOD

7 WELL

300 No. 28. 1164.75

12 MECROM HOURGALN LOOP

Comin isvos 1227 Fasi Africa (2000 31849 Food

__a_L_eys-Nowasi Total hours <u>_79.0</u> G.P.D. 2<u>844,50</u>:

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F***	1		Fumping	Drees-	Engina				}~~~~	ng State of the St
Tine	P.P.M.	22M.	rana;	Comi	6.922	Specific Capacity	Conments		Fall	TE
8/00 AM	Truce.	1524	223.76	96.06	1188	15.88	FROM LAST PAGE	23	डन	20
8:30	TRELL	1530	223.79	94,09	1188	15,92	CRY CLEAR	23	888	500
9:01	188E	1528	123.8L	94.11	1188	15,89	(4 (1	23	13:	584
9:30	640 PF	1527	23.84	96.34	1138	15.88	PH. 4.8 NT4 1.39	33	পষ	T S
10:00	-40	1236	223.88	94.18	7188	15.86	T. D.3 . 401 g/L	24	ठव	DI.
10:00	2205	770 3 A-L	LONS /	<u> 3.18 El</u>	G.P.M.	Ave.	TEMP 7-1 F	·		
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				all and the state of the state	arania di minari di Paris di Sindi di S					
10:30	.46	1526	22 3.3 2	94,22	1188	1585	CRY CLEAR	_	071	ł
11.00	JUS TRACE	1524	223.351	196.25	1188	15.85	£ 8 11	24	116	90
<u> </u>	TRACE	1524	223.991	96.29	1188	15,82	* (*		14.	
12:00	TRACE	1523	224.01	94.31	1188	15,81	E & CF		र्ठि	i .
1:00	TRACE	1522	224.07	96.37	1188	1.5.79	SAMPLES COMPLETE		544	ŧ
1:30	TALE	1522	224.10	96,4	1188	15,78	(4 45	24	343	29c
2:30	TRACE	1521	224.13	94,43	1188	15.77	¹	3	49	
3:00	1.46	1521	224-16	96.46	1188	15.76	L1. 11	37	प्रश्	33
3:30	RACE	1528	224.19	96,49	1188	15:75	(1		527	
4:00	789c		224.21	9651	1188	15,74	(15225 AUG 6 HRS)		573	Committee of the last
4:30	•40	1520	224.23	94,53	1188	15.74			418	
5700		1520	224-25	96.55	1188	15.74	TITLE WOZ SAMPLES		664	
Said		to the second se			hand the street of the street		TAKEN. CLZ	ne distribute		
	THE	CONTIA	11016	RAN	31 H	6 55. /	Lyg. FLO 1529.3 G	٠. ۵		
Alleria de la California de la constanta de la		<u> </u>				,		-1		
ander construente de la manda de la ma La manda de la	***************************************		***************************************	THE PERSON NAMED IN COLUMN	era pera constituent binaberrapa and a a .e.		Annahuri mayaning ang ang maninin himistinin maga min maga ang manayak at pagang at paga Mada ang Mada	ط فقبان بورون	ĺ	
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		AND REPORT OF THE PARTY OF THE		description of the last transfer of the second of the seco	th person narrow to rescause equal	<u></u>	7.39			
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منسالة داداده بحماد ويدوده والأوجواة	<u> </u>			4		and a recommendation of the contract of the co	ada jih. da ki ili jih manana ini malamat kapatat Anni yang kapangan yang yang ang dipandanan yank yang mangan naga yang yang kapatan da ya bi da kababan da ya		 	
*	<u> </u>					 		A CONTRACTOR OF THE PERSON NAMED IN		
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		Contraction (Appendix on the Contraction of the Con						en e	 	 -
						[L

Desc. 5-22-18 Page 13

CIESTORING CITY of INGLEWOOD

*7 WELL

300 No. 27- 46675

12"MERROM MEDICALNI LOCO

Cata is a 127.7' Feet First days 318.6' Feet

Monetheyo 3.0 TRAME PROPERTY SERVICE g.p.d.

Operator: Percies

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Time	PAM.		Pumping Lavel	Coem Coem		Specific Capacity	Comments	FAU	TSE
200	and the State of Stat	والمتعادية المتعادية والمتعادية و					SHUT DOWN FUD OF	T	
5:02	an organis dell'in her oler dell'in her anno proper despressione	Managan day afficially religious and an array of	163.8					1	一
<u>roit</u>		American per in	158.1					1	<u> </u>
<u>5:06</u>	van har karantana at in any mpanya.	and a second	124.8				The state of the s	1	T
5:08	Marie Metallication constituted for the state of	Maketone washinkani ang manakanakana	151.6				The state of the s	Carteria Services	-
<u> </u>		Microsophic desired	150.0			And the state of t		****	
ত্র			147.6					1	
J: 20			145.6	-				1	
3:25			144.18		A STATE OF THE STA				†
<i>5</i> :30			143.65	#	one despites hely published to the second and purposes				
5135		***************************************	142,25						
5:40			141.45						
5:50 ·	·	•	140.2'		00		and the state of t		
6.00		On the second se	139,3	Manage Street (***********************************			terresponding sepaga disakt abunggan sa pulatiki ini danta ini pija mendagan di upipa di mendati beraksi pendaman danta ini pija mendagan di upipa di mendati beraksi pendaman danta		
6:10			138.6						
6:20		all a community and the state of the state o	138.0	·	-				<u> </u>
6:30			137.4			errere i dell'oppide fai Fart et malamaine		····	-
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7:00			134.3	770 11 11 11 11 11 11 11 11 11 11 11 11 11					
7:35			135.6						
78:8¢			135.80						
7:45			135,1	**************************************	***************************************			-	
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	randy and the St. State day ranges, in the development	edencia racenza manec al monete propagate del	nem engaga gagati anakan yang anakan ya Pili Silika iyan	STEPHEN (1904) (The Constitution of the Consti	en francisco estre establista (anagra, April	-	\ \ \		1
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FINAL REPORT

Work Orders: 9D30052

Project: Inglewood, City of, 1910051

Report Date:

6/04/2019

Received Date:

5/2/2019

Turnaround Time:

Normal

Phones:

310.660.6246

Fax:

(310) 217-2414

P.O. #:

W2773

Billing Code:

Attn: Cheryl A. Ross

Client: West Basin Municipal Water District

17140 South Avalon Blvd., Suite 210

Carson, CA 90746-1218

EPA-UCMR #CA00211 * HW-DOH # * ISO 17025 #L2457.01 * LACSD #10143 * NELAP-CA #04229CA * NELAP-OR #4047 * NJ-DEP #CA015 * NV-DEP #NAC 445A * SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

Dear Cheryl A. Ross,

Enclosed are the results of analyses for samples received 5/02/19 with the Chain-of-Custody document. The samples were received in good condition, at 5.9 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

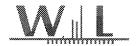
Reviewed by:

Kim G. Tu Project Manager Water Boards









FINAL REPORT

WECK LABORATORIES, INC.

1,2,3-Trichloropropane

West Basin Municipal Water District 17140 South Avalon Blvd., Suite 210 Carson, CA 90746-1218 Project Number: Inglewood, City of, 1910051

96-18-4

Reported:

06/04/2019 14:58

Project Manager: Cheryl A. Ross

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
Well 7, 1910051-019, Alias: 3961A	Allan Goldberg (wecklabs)	9D30052-05	Water	05/02/19 09:55	
Analyses Accreditation S	ummary		***************************************		
Analyte		CAS #	<i>,</i>	Not By NELAP	By ANAB
SRL 524M-TCP in Water					



WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

West Basin Municipal Water District 17140 South Avalon Bivd., Suite 210 Carson, CA 90746-1218

Project Number: Inglewood, City of, 1910051

Project Manager: Cheryl A. Ross

Reported:

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9D30052

Sample Results

Sample: Well 7, 1910051-019, Allas: 3961A Sampled: 05/02/19 9:55 by Allan Goldberg (wecklabs): 9D300S2-05 (Water) wai. Units OH Qualifier Analyte Result Anzivzed Chlorinated Acids Herbicides by GC/ECD Prepared: 05/07/19 08:28 Method: SPA 515 A Ratch ID: W9E0290 Instr. GC08 Analyst: qc08 05/11/19 01:28 0.20 2,4,5-T NO ug/l 2,4,5-TP (Silvex) ND 0.20 ug/l 05/11/19 01:28 2,4-0 ND 0.40 ug/l 05/11/19 01:28 2,4-DB NO 2.0 05/11/19 01:28 1 ua/l 3,5-Dichlorobenzoic acid ND 1.0 1 05/11/19 01:28 uq/i 05/11/19.01:28 Acifluorfen ND 0.40 ug/i 1 Bentazon ND 2.0 ug/i 05/11/19 01:28 05/11/19 01:28 Chloramben ND 1.0 uq/i 05/11/19 01:28 Dalapon ND 0.40 ug/I DCPA ND 0.10 05/11/19 01:28 ug/l 05/11/19 01:28 Dicamba ND 0.60 ug/l ND 0.30 05/11/19 01:28 Dichloroprop ug/l 4 05/11/19 01:28 Dinoseb ND 0.40 ug/l Pentachlorophenol ND 0.20 05/11/19 01:28 ug/i ND 0.60 05/11/19 01:28 Picloram. ug/l Surrogate(s) 05/11/19 01:28 2,4-DCAA 103% Conc: 10.3 70-130 Chlorinated Pesticides and/or PCBs by GC/ECD Instr: GC07 Method: EPA 508 Batch ID: W9E0324 Prepared: 05/07/19 12:06 Analyst: adm 05/10/19 13:44 Toxaphene ND 1.0 ug/l Surrogate(s) Decachlorobiphenyl 80% Conc. 9.0795 70-130 05/10/19 13:44 05/10/19 13:44 Tetrachioro-meta-xylene 89% Conc: 0.0886 70-130 Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods Method: EPA 353.2 Batch ID: W9E0126 Instr: AA01 Prepared: 05/02/19 15:53 Analyst: MAT Nitrate as N ND 05/02/19 17:12 0.20 ma/l Diquat and Paraquat by EPA 549.2 Method: EPA 549.2 Batch ID: W9F0211 InstrutC11 Prepared: 05/06/19 08:33 Analyst: ina Diquat MD £ 0 05/16/19 16:58 ug/l Endothall By EPA 548.1 Method: EPA 548.1 Prepared: 05/06/19 08:36 Batch ID: W9E0212 Instr: GCMS06 Analyst: row 05/08/19 08:31 Endothall ND 45 ug/l Glyphosate by EPA 547 Method: EPA 547 Prepared: 05/09/19 16:52 Batch ID: W9E0554 Instr: LC10 Analyst: jna 05/09/19 19:42 Glyphosate ND 5.0 ug/i Hexavalent Chromium by IC



FINAL REPORT

West Basin Municipal Water District 17140 South Avalon Blvd., Suite 210

WECK LABORATORIES, INC.

Carson, CA 90746-1218

9030052

Project Number: Inglewood, City of, 1910051

Reported:

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Sample Results

Project Manager: Cheryl A. Ross

(Continued)

Sample:	Well 7, 1910051-019, Alias:	3961A			Sampled: 05,	/02/19	9:55 by Allan Goldl	-
	9D30052-05 (Water)							(Continued
Analyte			Resist	MRL	Units	Dil	Analyzed	Qualific
lexavalent Chro	mium by IC (Continued)							
Method: EPA 2		Batch ID: W9E0214	Instr: LC13	•	5/06/19 08:41	٠	Analyst: jna	
Chromium 6	*		ND	8.820	ug/l	1	05/06/19 12:10	
ow Level 1,2,3-	TCP by SRL Method, P&T, GC,	MS SIM						
Method: SRL 5		Batch ID: W9E0154	Instr: GCMS04	-	5/03/19 10:40		Analyst: enf	
1,2,3-Trichlo	ropropane.		ND	0,0050	ug/i	1	05/03/19 16:56	
erchlorate by E	PA 314.0							
Method: EPA 3	14.0	Batch ID: W9E0363	instr: I.CO8_Chan	Prepared: ()	5/07/19 15:03		Analyst: jan	
Perchlorate		•	ND	2.0	ug/l	1	05/08/19 03:26	
tadiological Par	ameters by APHA/EPA Metho	ds						
Method: EPA 2	00.8	Batch ID: W9E0309	Instr: ICPMS02	Prepared: 0	5/07/19 10:16		Analyst: jea	
Uranium Rad	.		ND	0.13	pCi/L	1	05/07/19 17:55	
Method: SM 7	110C	Batch ID: W9E0201	Instr: RAD01	Prepared: 0	5/04/19 07:56		Analyst: dic	
Gross Alpha	ı		1.08		ρCi/L	1	05/07/19 08:04	
Uncertaint	ty: 0.124 MDA	A: 0.033						
iemivolatile Org	anic Compounds by GC/MS							
Method: EPA 5	25.2	Batch ID: W9E0137	Instr: GCMS16	Prepared: 0	5/03/19 08:20		Analyst: imr	
Alachior			ND	0,10	nā\J	1	05/06/19 18:29	
Atrazine			ND	0.10	ug/l	1	05/06/19 18:29	
Benzo (a) py	rrene		ND ·	0.10	ug/l	3	05/06/19 18:29	
Bis(2-ethylhe	exyl)adipate		ND	5.0	ug/l	1	05/06/19 18:29	
Bis(2-ethythe	exyl)phthelate		ND	3.0	ug/l	1	05/06/19 18:29	
Bromacil			ND	0.50	ug/l	1	05/06/19 18:29	
Butachlor			ND	0,10	ug/l	1	05/06/19 18:29	
Captan			ND	1.0	ug/l	1	05/06/19 18:29	
Chlorpropha	m		ND	0:10	ug/l	1	05/06/19 18:29	
Cyanazine			ND	0.10	ug/l	1	05/06/19 18:29	
Diazinon			ND	0.10	ug/l	1	05/06/19 18:29	
Dimethoate			ND	0.20	ug/l	1	05/06/19 18:29	
Diphenamid			ND	0.10	ug/l	1	05/06/19 18:29	
Disulfoton			ND	0.10	ug/l	3	05/06/19 18:29	
EPTC			ND	0.10	ug/l	.1	05/06/19 18:29	
Metolachior			ND	0.10	ug/l	1	05/06/19 18:29	
Metribuzin			ND	0.10	ug/l	4	05/06/19 18:29	
Molinate			ND	0.10	ug/l	1	05/06/19 18:29	
Prometon			ND	0.10	ug/l	3	05/06/19 18:29	
Prometryn			ND	0.10	ug/l	1	05/06/19 18:29	
r comougn			ND	0.10	ug/l	3	05/06/19 18:29	



FINAL REPORT

West Basin Municipal Water District 17140 South Avaion Blvd., Suite 210

WECK LABORATORIES, INC.

Project Number: Inglewood, City of, 1910051

Reported:

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Carson, CA 90746-1218

Project Manager: Cheryl A. Ross



9030052

Sample Results

(Continued)

Sample: Well 7, 1910051-019, Alias: 396	MA			Sampled: 05,	/02/19	9:55 by Allan Goldb	erg (wecklabs)
9030052-05 (Water)							(Continued)
Analyte		Result	MRL	Units	Dil	Analyzed	Qualifier
Semivolatile Organic Compounds by GC/MS (Co	ntinued)						
Method: EPA 525.2	Batch ID: W9E0137	Instr: GCMS16	•	5/03/19 08:20		Analyst: rmr	
Terbacil		ND	2.0	ug/l	1	05/06/19 18:29	
Thiobencarb		ND	0.18	ug/l	1	05/06/19 18:29	
Trithion		ND	0.10	ug/l	1	05/06/19 18:29	
Surragate(s) 1,3-Dimethyl-2-nitrobenzene		97% Conc. 4.8	4 70-130			05/06/19 18:29	
Perylene-d12		101% Conc. 5.0	5 50-120			05/06/19 18:29	
Triphenyl phosphate		119% Conc: 5.9	5 70-130			05/06/19 18:29	
Semivolatile Organics - Low Level by Tandem GC	/MS/MS						
Method: EPA 1613B	Batch ID: W9E0229	Instr. GCMS15	Prepared: 0	5/07/19 09:35		Analyst: EFC	
2,3,7,8-TCDD (Dioxin)		ND	5,00	pg/l	1	05/14/19 15:08	
Volatile Organic Compounds by P&T and GC/MS							
Method: EPA 524.2	Batch ID: W9E0132	Instr: GCMS08	Prepared: 0.	5/03/19 08:21		Analyst: rdt	
1,1,1,2-Tetrachloroethane		ND ·	0.50	ug/l	1	05/03/19 13:01	
1,1,1-Trichloroethane		ND	0.50	ug/l	1	05/03/19 13:01	
1,1,2,2-Tetrachloroethane		ND	8,50	ug/l	. 1	05/03/19 13:01	
1,1,2-Trichloroethane		ND	0.50	ug/l	1	05/03/19 13:01	
1,1-Dichloroethane		ND	0,50	ug/l	1	05/03/19 19:01	
1,1-Dichloroethene		ND	0.50	ug/l	1	05/03/19 13:01	
1,1-Dichloropropene		ND	0.50	ug/l	1	05/03/19 13:01	
1,2,3-Trichlorobenzene		ND	0.50	ug/l	1	05/03/19 13:01	
1,2,4-Trichlorobenzene		ND	0.50	ug/l	1	05/03/19 13:01	
1,2,4-Trimethylbenzene		ND	0.50	ug/l	1	05/03/19 13:01	
1,2-Dichloroethane		ND	0.50	ug/l	1	05/03/19 13:01	
1,2-Dichloropropane		ND	0.50	ug/l	1	05/03/19 13:01	
1,3,5-Trimethythenzene		ND	0.50	ug/i	1	05/03/19 13:01	
1,3-Dichloropropane		ND	0.50	ug/i	1	05/03/19 13:01	
1,3-Dichloropropene, Total		ND	0.50	ug/i	1	05/03/19 13:01	
2,2-Dichloropropane		ND	0.50	ug/l	1	05/03/19 13:01	
2-Butanone		ND	5.0	ug/i	1	05/03/19 13:01	
2-Chlorotoluene		ND	0.50	ug/l	1	05/03/19 13:01	
2-Hexanone		ND	5.0	ug/l	1	05/03/19 13:01	
4-Chlorotoluene		ND	0.50	ug/l	1	05/03/19 13:01	
4-Methyl-2-pentanone		ND	5.0	ug/l	1	05/03/19 13:01	
Benzene		ND	0,50	ug/l	1	05/03/19 13:01	
Bromobenzene		ND	0,50	ug/l	1	05/03/19 13:01	
Bromochloromethane		ND	0.50	ug/I	1	05/03/19 13:01	



FINAL REPORT

West Basin Municipal Water District 17140 South Avalon Blvd., Suite 210

WECK LABORATORIES, INC.

Project Number: Inglewood, City of, 1910051

Reported:

06/04/2019 14:58

Carson, CA 90746-1218

Sample Results

9D30052

Project Manager: Cheryl A. Ross

(Continued)

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Sample:	Well 7, 1910051-019, Alias: 3961A				Sampled: 05	/02/19	9:55 by Allan Gold	
	9D30052-05 (Water)							(Continued
Analyte			Result	MRL	Units	Dil	Anelyzed	Qualific
latile Organ	nic Compounds by P&T and GC/MS (Cor	ttinued)						
Viethod: EPA		atch ID: W9E0132	Instr: GCM508		5/03/19 08:21	a	Analyst: rdt	
	hioromethane		ND	0.50	ugfi	1	05/03/19 13:01	
Bromoforn Bromomet			ND ND	0.50	ug/i	1	05/03/19 13:01	
	trachloride			0.50	ug/i		05/03/19 13:01	
			ND	0.50	ug/l	1	05/03/19 13:01	
Chloroben			ND	0.50	ug/i	1	05/03/19 13:01	
Chloroetha			ND	0.50	ug/l	1	05/03/19 13:01	
Chloroforn			ND	0.50	ug/l	1	05/03/19 13:01	
Chloromet			ND	0.50	ug/l	1	05/03/19 13:01	
	chloroethene		ND	0.50	ug/l	1	05/03/19 13:01	
	chloropropene		ND	0.50	ug/i	1	05/03/19 13:01	
	hloromethana		ND	0.50	ug/l	1	05/03/19 13:01	
Dibromom			ND	0.50	ug/l	-1	05/03/19 13:01	
	ifluoromethane (Freon 12)		ND	0.50	ug/l	1	05/03/19 13:01	
Di-isoprop	pyl ether		ND	2.0	ug/i	1	05/03/19 13:01	
Ethyl tert-t	butyl ether		ND	2.0	ug/l	1	05/03/19 13:01	
Ethylbenzi	ene		ND	0.50	ng/i	1	05/03/19 13:01	
Freon 113	3		ND	5.0	ug/l	1	05/03/19 13:01	
Hexachlor	robutadiene		ND	0.50	ug/l	1	05/03/19 13:01	
Isopropylb	senzene		ND	0.50	u g/ I	1	05/03/19 13:01	
m,p-Xylen	18		ND	0,50	ug/l	1	05/03/19 13:01	
m-Dichloro	obenzene		ND	0.50	. ug/l	3	05/03/19 13:01	
Methyl ten	t-butyl ether (MTBE)		ND	2.0	ug/l	1	05/03/19 13:01	
Methylene	e chloride		ND	0.50	ug/l	1	05/03/19 13:01	
Naphthale	she		.ND	0,50	ug/l	1	05/03/19 13:01	
n-Butylber	nzene		ND	0.50	ug/l	. 1	05/03/19 13:01	
n-Propylbe	enzene		ND	0.50	ug/l	1	05/03/19 13:01	
a-Dichlora	benzene		ND	0.50	ug/l	1	05/03/19 13:01	
o-Xylene			ND	0.50	ug/l	1	05/03/19 13:01	
p-Dichloro	benzene		ND	0:50	ug/l	1	05/03/19 13:01	
p-Isopropy	yltoluene		ND	0.50	ug/l	1	05/03/19 13:01	
sec-Butylb	penzene		ND	0.50	ug/l	1	05/03/19 13:01	
Styrene			ND	0.50	ម្ស/l	1	05/03/19 13:01	
Tert-amyl	methyl ether		ND	2.0	ug/l	1	05/03/19 13:01	
tert-Butylb	penzene		ND	0.50	ug/l	1	05/03/19 13:01	
Tetrachion	pethene		ND.	0.50	ug/l	1	05/03/19 13:01	
THMs, Tot			ND	2.0	ug/l	1	05/03/19 13:01	



FINAL REPORT

WECK LABORATORIES, INC.

West Basin Municipal Water District 17140 South Avalon Blvd., Suite 210 Carson, CA 90746-1218 Project Number: Inglewood, City of, 1910051

Project Manager: Cheryl A. Ross

Reported:

06/04/2019 14:58



Sample Results

(Continued)

Sample:	Weil 7, 1910051-019, Alias: 398	1A			Sampled: 05,	/02/19	9:55 by Allan Goldb	erg (wecklabs)
	9D30052-05 (Water)							(Continued)
Analyte		· · · · · · · · · · · · · · · · · · ·	Result	MRL	Units	D8	Analyzed	Qualifier
Volatile Organ	ic Compounds by P&CT and GC/MS	(Continued)						
Method: EPA	524,2	Batch ID: W9E0132	Instr: GCMS08	Prepared: 0	5/03/19 08:21		Analyst: rdt	
Toluene			ND	0.50	ug/i	1	05/03/19 13:01	
trans-1,2-0	Dichloroethene		ND	0.50	ug/i	1	05/03/19 13:01	
frans-1,3-E	Dichloropropene		ND	0.50	ug/i	1	05/03/19 13:01	
Trichloroet	hene		ND	0.50	ug/l	1	05/03/19 13:01	
Trichloroflu	ioromethane		ND	0.50	ug/l	1	05/03/19 13:01	
Vinyl chlor	ide		ND	0.50	ug/i	1	05/03/19 13:01	
Xylenes, T	otal		ND	1.0	ug/l	1	05/03/19 13:01	
:	robenzene-d4 rorobenzene		98% Conc: 9.81 93% Conc: 9.34				05/03/19 13:01 05/03/19 13:01	



FINAL REPORT

West Basin Municipal Water District 17140 South Avalon Blvd., Suite 210 Carson, CA 90746-1218

WECK LABORATORIES, INC.

Project Number: Inglewood, City of, 1910051

Reported:

06/04/2019 14:58

Project Manager: Cheryl A. Ross

Result

ND



Sample Results LA Testing - EMSL Analytical, Inc. CA-ELAP #2283, Non-NELAP

Sample:

Well 7, 1910051-019 9D30052-05 (Water)

Sampled: 05/02/19 9:55 by Allan Goldberg (wecklabs)

Analyte

MRL Units 031 Qualifier Analyzed

Subcontracted Analyses

Method: EPA 100.2 Asbestos

Batch ID:

Prepared: 05/03/19, 13:50

0.19

MFL

05/15/19

Analyst: SUB

9D30052



FINAL REPORT

West Basin Municipal Water District 17140 South Avalon Blvd., Suite 210 Carson, CA 90746-1218

WECK LABORATORIES, INC.

Project Number: Inglewood, City of, 1910051

Reported:

06/04/2019 14:58

Project Manager: Cheryl A. Ross



Sample Results Pace Analytical Services - Greensburg PA NELAP #04222CA

(Continued)

Sample:	Well 7, 1910051-019				Sampled: 03	/02/19 9:	55 by Allan Goldl	berg (wecklabs)
	9D30052-05 (Water)							
Analyte			Result	MRL	Units	Dii	Analyzed	Qualifier
EPA 903.1								
Method: EP			Batch ID: 342706	Prepared: 05/2	1/19 00:00 pCi/L dry	4	05/28/19	Analyst: MK1
Radium-2	226		0.342		b∩nr aix	1	03/20/18	
Uncer	rtainty: 0.300	MDA: 0.186						
EPA 904.0								
Method: EP	A 904.0		Batch ID: 342709	Prepared: 05/2	2/19 00:00		-	Analyst: JLW
Radium-2	228		0.592		pCi/L dry	1	05/28/19	
Uncer	rtainty: 0.405	MDA: 0.806						



LA Testing

520 Mission Street South Pasadena, CA 91030 Phone/Fax: (323) 254-9960 / (323) 254-9982 http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order ID: 321910583 Customer ID: 32WECK62

Customer PO: Project ID:

Attn: Kim Tu

Weck Laboratories, Inc. 14859 East Clark Avenue City of Industry, CA 91745-1396 Phone: Fax:

(626) 336-2139

Received:

(626) 336-2634 05/03/2019

Analyzed:

05/15/2019

Proj: 9D30052

Test Report: Determination of Asbestos Structures >10µm in Drinking Water Performed by the 100.2 Method (EPA 600/R-94/134)

ASSESTO

					ASBESTOS						
Sample ID Client / EMSL	Sample Filtration Date/Time	Original Sample Vol. Filtered	Effective Filter Area	Area Analyzed	Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration	Confidence Limits		
		(ml)	(mm^2)	(mm²)			MF	. (million fibers per	liter)		
9D30052-05/Well 7, 1910051-019 321910583-0001	5/3/2019 01:50 PM	30	1288	0,2210	None Detected	ND	0.19	<0.19	0.00 - 0.72		
Collection Date/Time:	05/02/2019 09:8	55 AM									

Analyst(s)
Sherrie Ahmed (1)

Jerry Drapala Ph.D, Laboratory Manager or Other Approved Signatory

Any questions please contact Jerry Drapala.

Initial report from: 05/15/2019 18:51:08

Sample collection and containers provided by the client, exceptable bottle blank level is defined as 50 03MFL>10xm, ND=None Detected. This report relates only to those items tested. This report may not be reproduced, except in full, without written permission by LA Testing, Samples received in good condition unless otherwise noted.

Samples enalyzed by LA Testing South Pasadenz, CAICA ELAP 2283



Analytical Laboratory Service - Since 1964

Date of Report:

19/06/04

Laboratory Name:

Weck Laboratories, Inc.

Name of Sampler:

Allan Goldberg (wecklabs)

Sample ID No.: 9D30052-05

Signature Lab Director:

Date/Time Sample

19/05/02 0955 Collected:

Date/Time Sample

Received @ Lab:

19/05/02 1115

Date Analyses

Completed: 19/05/16

System Name: INGLEWOOD- CITY, WATER DEPT.

System Number: 1910051

Name or Number of Sample Source:

WELL#7 -

User ID: 4TH

Date/Time of Sample:

119 | 05 | 02 | 09 | 55

YY MM DD TT TT

Station Number: 1910051-019

Laboratory Code: 9588

Date of Analyses Completed: | 19 | 05 | 16 |

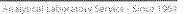
YY MM DD

Submitted By: Weck Laboratories, Inc. Phone #: (626) 336-2139

TEST		Units	ENTRY	ANALYSES		
METHOD	CHEMICAL		#	RESULTS	MCL	DLR
	REGULATED ORGANIC CHEMICALS					***************************************
E524.2	Total Trihalomethanes (TTHMs)	ug/L	82080	ND	80	
E524.2	Bromodichloromethane	ug/L	32101	ND		1
E524.2	Bromoform	ug/L	32104	ND		1
E524.2	Chloroform (Trichloromethane)	ug/L	32106	ND		1
E524.2	Dibromochloromethane	ug/L	32105	ND		1
E524.2	Benzene	ug/L	34030	ND	1	0.5
E524.2	Carbon Tetrachloride	ug/L	32102	ND	0.5	0.5
E524.2	1,2-Dichlarobenzene (o-DCB)	ug/L	34536	ND	600	0.5
E524.2	1,4-Dichlorobenzene (p-DCB)	ug/L	34571	ND	5	0.5
E524.2	1,1-Dichloroethane (1,1-DCA)	ug/L	34496	ND	5	0.5
E524.2	1,2-Dichloroethane (1,2-DCA)	ug/L	34531	ND	0.5	0.5
E524.2	1,1-Dichloroethylene (1,1-DCE)	ug/L	34501	ND	6	0.5
E524.2	cis-1,2-Dichloroethylene (c-1,2-DCE)	ug/L	77093	ND	6	0.5
E524.2	trans-1,2-Dichloroethylene (t-1,2-DCE)	ug/L	34546	ND	10	0.5
E524.2	Dichloromethane (Methylene Chloride)	ug/L	34423	ND	5	0.5
E524.2	1,2-Dichloropropane	ug/L	34541	ND	5	0.5
E524.2	Total 1,3-Dichloropropene	ug/L	34561	ND	0.5	0.5
E524.2	Ethyl Benzene	ug/L	34371	ND	300	0.5
E524.2	Methyl tert-Butyl Ether(MTBE)	ug/L	46491	ND	13	3
E524.2	Monochlorobenzene (Chlorobenzene)	ug/L	34301	ND	70	0,5
E524.2	Styrene	ug/L	77128	ND	100	0.5
E524.2	1,1,2,2-Tetrachloroethane	ug/L	34516	ND	1	0.5
E524.2	Tetrachloroethylene (PCE)	ug/L	34475	ND	5	0.5
E524.2	Toluene	ug/L	34010	ND	150	0.5
E524.2	1,2,4-Trichlorobenzene	ug/L	34551	ND	5	0.5
	1	-				

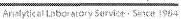
9D30052-05: 1910051-019

Page 1 of 4





TEST		Units	ENTRY	ANALYSES		
METHOD	CHEMICAL		#	RESULTS	MCL	DLR
erena n	REGULATED ORGANIC CHEMICALS		2 4 5 0 6	NITS	200	n r
E524.2 E524.2	1,1,1-Trichloroethane (1,1,1-TCA)	ug/L	34506	ND ND	200	0.5
	1,1,2-Trichloroethane (1,1,2-TCA)	ug/L	34511	ND	5	0.5
E524.2	Trichloroethylene (TCE)	ug/L	39180	ND	5	0.5
E524.2	Trichlorofluoromethane (FREON 11)	ug/L	34488	ND	150	5
E524.2	Trichlorotrifluoroethane (FREON 113)	ug/L	81611	ND	1200	10
E524.2	Vinyl Chloride (VC)	ug/L	39175	ND	0.5	0.5
E524.2	m,p-Xylene	ug/L	A-014	ND		0.5
E524.2	o-Xylene	ug/L	77135	ND		0.5
E524.2	Total Xylenes (m,p, & o)	ug/L	81551	ND	1750	
E508	Toxaphene	ug/L	39400	ND	3	1
E525.2	Molinate (ORDRAM)	ug/L	82199	ND	20	2
E525.2	Simazine (PRINCEP)	ug/L	39055	ND ND	4	1
E525.2	Thiobencarb (BOLERO)	ug/L	A-001	ND ND	70	1
E525.2	Alachlor (ALANEX)	ug/L	77825	ND ND	2	1
E515.4	Bentazon (BASAGRAN)	ug/L	38710	ND ND	18	2
E1613	2,3,7,8-TCDD (Dioxin) Units=picogram/L	pg/L	34676	ND ND	30	5
E515.4	2,4-D	ug/L	39730	ND ND	70	10
E515.4	2,4,5-TP (SILVEX)	ug/L	39045	ND	50	1
E515.4	Dalapon	ug/L	38432	ND	200	10
E515.4	Dinoseb (DNBP)	ug/L	81287	ND	7	2
E549.2	Diquat	ug/L	78885	ND	20	4
E525.2	Di(2-ethylhexyl) Adipate	ug/L	A-026	ND	400	5
E548.1	Endothall	ug/L	38926	ND	100	45
E547	Glyphosate	ug/L	79743	ND	700	25
E515.4	Pentachlorophenol (PCP)	ug/L	39032	ND	1	0.2
E515.4	Picloram	ug/L	39720	ND	500	1
	UNREGULATED ORGANIC CHEMICALS					
E524.2	tert-Amyl Methyl Ether (TAME)	ug/L	A-034	ND		3
E524.2	Bromobenzene	ug/L	81555	ND		0.5
E524.2	Bromochloromethane	ug/L	A-012	ND		0.5
E524.2	Bromomethane (Methyl Bromide)	ug/L	34413	ND		0.5
E524.2	n-Butylbenzene	ug/L	A-010	ND ND		0.5
E524.2	sec-Butylbenzene	ug/L	77350	ND ND		0.5
E524.2	tert-Butylbenzene	ug/L	77353	ND		0.5
E524.2	Chloroethane	ug/L	34311	ND		0.5
E524.2	Chloromethane (Methyl Chloride)	ug/L	34418	ND		0.5
E524.2	2-Chlorotoluene	ug/L	A-008	ND		0.5
E524.2	4-Chlorotoluene	ug/L	A-009	ND		0.5
E524.2	Dibromomethane	ug/L	77596	ND		0.5
E524.2	1,3-Dichlorobenzene (m-DCB)	ug/L	34566	ND		0.5
E524.2	Dichlorodifluoromethane (Freon 12)	ug/L	34668	ND		0.5
E524.2	1,3-Dichloropropane	ug/L	77173	ND ND		0.5
E524.2	2,2-Dichloropropane	ug/L	77170	ND ND		0.5
ಬಲವಳ.ಎ	a_a_andinorpore	ug/L	11.810	INU		V.O





TEST METHOD	CHEMICAL	Units	ENTRY #	ANALYSES RESULTS	MCL	DLR
	UNREGULATED ORGANIC CHEMICALS					
E524.2	1,1-Dichloropropene	ug/L	77168	ND		0.5
E524.2	Diisopropyl Ether (DIPE)	ug/L	A-036	ND		3
E524.2	Ethyl tert-Butyl Ether (ETBE)	ug/L	A-033	ND		3
E524.2	Hexachlorobutadiene	ug/L	34391	ND		0.5
E524.2	Isopropylbenzene (Cumene)	ug/L	77223	ND		0.5
E524.2	p-isopropyltoluene	ug/L	A-011	ND		
E524.2	Naphthalene	ug/L	34696	ND		0.5
E524.2	n-Propylbenzene	ug/L	77224	ND		0.5
E524.2	1,1,1,2-Tetrachloroethane	ug/L	77562	ND		0.5
E524.2	1,2,3-Trichlorobenzene	ug/L	77613	ND		0.5
SRL524	1,2,3-Trichloropropane	ug/L	77443	ND.	0.005	0.005
E524.2	1,2,4-Trimethylbenzene	ug/L	77222	ND		0.5
E524.2	1,3,5-Trimethylbenzene	ug/L	77226	ND		0.5
E524.2	Methyl Ethyl Ketone (MEK, Butanone)	ug/L	81595	ND		5
E524.2	Methyl Isobutyl Ketone (MIBK)	ug/L	81596	ND		5
E525.2	Bromacil (HYVAR)	ug/L	82198	ND		10
E525.2	Butachlor	ug/L	77860	ND		0.38
E515.4	DCPA (total di & mono acid degradates)	ug/L	A-045	ND		****
E525.2	Diazinon	ug/L	39570	ND		
E515.4	Dicamba (BANVEL)	ug/L	82052	ND		1.5
E525.2	Metribuzin	ug/L	81408	ND ND		1760
E525.2	Prometryn (CAPAROL)	ug/L	39057	ND		. 2
E525.2	Terbacil	ug/L	38882	ND ND		2-
£020.2		ug/L	30002	140		
E525.2	*** EPA Test Method 525.2 Metolachlor	ug/L	39356	ND		
	*** EPA Test Method 527					
E525.2	Dimethoate (CYGON)	ug/L	38458	ND		***************************************
	AGRICULTURAL AND MISC ORGANIC					
E515.4	Aciflurfen	ug/L	79193	ND		
E515.3	Amiben (CHLORAMBEN)	ug/L	82051	ND		
E525.2	Atrazine (AATREX)	ug/L	39033	. ND	1	0.5
E525.2	Captan (Captane)	ug/L	39640	ND		0.1
E525.2	Carbophenothion (TRITHION)	ug/L	39786	ND		
E525.2	Chloropropham (CIPC)	ug/L	81322	ND		
E525.2	Cyanazine (BLADEX)	ug/L	81757	ND		
E515.4	2,4-DB	ug/L	38746	ND		
E515.4	Dichlarprop	ug/L	82356	ND		
E524.2	cis-1,3-Dichloropropene (D-D)	ug/L	34704	ND	0.5	
E524.2	trans-1,3-Dichloropropene	ug/L	34699	ND	0.5	
E525.2	Diphenamide (ENIDE)	ug/L	78004	ND		100
E525.2	Disulfoton	ug/L	81888	ND		
	EPTC (EPTAM)	ug/L	81894	ND		
E525.2	EFIC (EFIAM)	uy, c	0.000	1475	1	

9D30052-05: 1910051-019





TEST		Units	ENTRY	ANALYSES		
METHOD	CHEMICAL		#	RESULTS	MCL	DLR
	AGRICULTURAL AND MISC ORGANIC					
E515.4	2,4,5-T	ug/L	39740	ND	10	
	Total Cations & Total Anions Meq/L Value					
E353.2	Nitrate (as N) (mg/L)	mg/L	00618	ND	10	0.4
	ADDITIONAL ANALYSES					
E314	Perchlorate (ug/L)	ug/L	A-031	ND	6	4
E218.6	Chromium, hexavalent (CrVI) (ug/L)	ug/L	01032	ND		1
<u> </u>	BNA	***************************************	***************************************		***************************************	000000000000000000000000000000000000000
E525.2	Benzo (a) Pyrene (*)	ug/L	34247	ND	0.2	0.1
E525.2	Diethylhexylphthalate (DEHP) (*)	ug/L	39100	ND	4	3
	TITLE 22 CALIFORNIA CODE OF REGULATIONS - SECT	ON 64442 (22	CCR 64442)		
S7110C	Gross Alpha	pCi/L	01501	ND	15	3
S7110C	Gross Alpha Counting Error	pCi/L	01502	0.124		
S7110C	Gross Alpha MDA95 *	pCi/L	A-072	0,033		
E200.8	Uranium	pCi/L	28012	ND	20	1

Laboratory Comments and Description of Additional Components Found (Comments in this section are for Client Information only and will <u>NOT</u> be transmitted to CDPH via EDT):

Well 7; 1910051-019:

Fax: (626) 336-2634



Enthalpy Analytical, LLC

931 W. Barkley Ave - Orange, CA 92868 Tel: (714)771-6900 Fax: (714)538-1209

www.enthalpy.com info-sc@enthalpy.com



City of Inglewood

Address:

1 West Manchester Blvd.

Inglewood, CA 90301

Attn:

Thomas Lee

Comments: Inglewood Well 7

Sample for Herbicides and Semivolatiles could not be analyzed by the sub-lab, due to

the preservation. Please see attached for all results.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Client Sample ID Sample #

402874-001 Well 7-Well Blend

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be

Report Review performed by: Diane Galvan, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

The reports of the Enthalpy Arialytical, Inc. are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.



Lab Request:

Report Date:

Client ID:

402874

15854

Date Received: 05/22/2018

06/13/2018

Matrix: Drinking Water

Client: City of Inglewood

Collector:

Sampled: 05/22/2018 15:55

Site:

Sample #: 402874-001

Client Sample #: Well 7-Well Blend

Sample Type:

Analyte	1700 - 9 A - 25 - 1	Result	DF	RDL	Units	Prepared	Analyzed	~~~~	Notes
Valhod: EPA 100.2	Prep Method:	Memod					QCPatchi	D:	
See Attached	***************************************	~~~	1			***************************************			******************************
Aethod: EPA 150.1	Prep Method:	Method		······		***************************************	QCBatchti	*****	31191480
pH		7.86	1		pH Units		05/23/18 10:00	WW	T2
fethod: EPA 16138	Prep Method:	See Attached			***************************************		QCBatcisi):	***************************************
See Attached	***************************************	***************************************	1	***************************************					
Nethod: EPA 200.8	Prep Method:	EFA-3010A					QCBalchi	D: Q	01191410
Aluminum	······································	ND	5	250	ug/L	05/23/18	05/23/18	SBW	D2
Antimony		ND	1	6	ug/L	05/23/18	05/23/18	SBW	
Arsenic		ND	1	2	ug/L	05/23/18	05/23/18	SBW	
Barium		83.2	1	5	ug/L	05/23/18	05/23/18	SBW	
Beryllium		ND	5	5	ug/L	05/23/18	05/23/18	SBW	D2
Boron		233	5	-25	ug/L	05/23/18	05/23/18	SBW	
Cadmium		ND	. 1	1	ug/L	05/23/18	05/23/18	SBW	
Calcium		70200	200	20000.	ug/L	05/23/18	05/23/18	SBW	
Chromium		ND	5	10	ug/L	05/23/18	05/23/18	SBW	D2
Copper		4.13	1	3	ug/L	05/23/18	05/23/18	SBW	
Iron		375	5	125	ug/L	05/23/18	05/23/18	SBW	
Lead		ND	1	5	ug/L	05/23/18	05/23/18	SBW	
Wagnesium		25400	20	1000	ug/L	05/23/18	05/23/18	SBW	
Manganese		158	1	10	ug/L	05/23/18	05/23/18	SBW	
Nickel		ND	-1	5	ug/L	05/23/18	05/23/18	SBW	
Selenium		2.84	1	2	ug/L	05/23/18	05/23/18	SBW	
Silver	* * * * * * * * * * * * * * * * * * * *	ND	1	5	ug/L	05/23/18	05/23/18	SBW	
Sodium		81300	200	20000	ug/L	05/23/18	05/24/18	SBW	
Thallium		ND	1	1	ug/L	05/23/18	05/23/18	SBW	
Vanadium		ND	5	25	ug/L	05/23/18	05/23/18	SBW	D2
Zinc		ND	1	10	ug/L	05/23/18	05/23/18	SBW	
lethod: EPA 200.8	Prep Method:	Method	***************************************			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	QCBatchii) :	
See Attached	***************************************		1	***************************************	***************************************	······································		***************************************	~~~~~
lethod: EPA 218.6	Prep Method:	EPA 218.6	***************************************			***************************************	QCBatchii	D: Q	01191688
Hexavalent Chromium		ND	1	***************************************	ug/L	***************************************	05/23/18	JР	P2
lethod: EPA 245.1	Prep Method:	EPA 245.1	•••••				OCBatch!	<u> </u>	31191601
Mercury	iiii	ND	1	0.4	ug/L	05/29/18	05/29/18	JP	
lethod: EPA 300.0	Pres Method:	Method					QCBatchli) Of	21191484
Chloride	3 (to p 1830 to 1424)	106	······································	1	mg/L	05/24/18	05/23/18 14:26	*********	
Fluoride		0.418	1	0.2	mg/L	05/24/18	05/23/18 14:26		
Nitrate + Nitrite, as Nitrogen		ND	1	0.44	mg/L	05/24/18	05/23/18 14:26		
Nitrate, as Nitrogen		ND	1	0.1	mg/L	05/24/18	05/23/18 14:26		
Nitrate, as NO3		ND	1	0:44	mg/L	05/24/18	05/23/18 14:26		
Nitrite, as Nitrogen		ND	1	0.1	mg/L	05/24/18	05/23/18 14:26		
Nitrite, as NO2		ND.	1	0.33	mg/L	05/24/18	05/23/18 14:26		
Sulfate		80,6	1	0.5	mg/L	05/24/18	05/23/18 14:26		
	Prep Method:						QCBatchii		14404700
lethod: EPA 314.0 Perchlorate	PORROW GET	ND	1	4	ug/L	05/31/18	05/31/18	SBW	
	Phone Stull				nā,r	0001110			54454455
Method: EPA 425.1	Prep Method:		4		nam B	05/39/40 30.00	QCBatchlf 05/22/18 21:50		J11914U3
MBAS		ND	1	0.04	mg/L	UNIZZI 10 ZU.UU			
fethod: EPA 504.1	Prep Method:	Method					QCBatch1(); 	
See Attached			1		***************************************				
lethod: EPA 508	Prep Method:	Method					QCBatchti	Э:	

Matrix: Drinking Water

Client: City of Inglewood

Collector:

Sampled: 05/22/2018 15:55

Site:

Sample #: 402874-001

Client Sample #: Well 7-Well Blend

Sample Type:

Analyte See Attached	Result	DF	RDL	Units	Prepared	Analyzed By	/ Notes
Method: EPA 524.2	Prep Method: 5030B	÷				QCBatchID:	QC119140
1,1,1,2-Tetrachloroethane	N D	1	0.5	ug/L		05/23/18 LZ	7
1,1,1-Trichloroethane	ND	1	0.5	ug/L		05/23/18 L2	<u>,</u>
1,1,2,2-Tetrachloroethane	ND	1 .	0.5	ug/L		05/23/18 LZ	
1,1,2-Trichloroethane	ND	1	0.5	ug/L		05/23/18 LZ	
1,1,2-Trichlorotrifluoroethane	ND	1	10	ug/L		05/23/18 L2	
1,1-Dichloroethane	ND	1	0.5	ug/L	-	05/23/18 LZ	<u>.</u>
1,1-Dichloroethene	ND	1	0.5	ug/L		105/23/18 LZ	<u>,</u>
1,1-Dichloropropene	. ND	1	0.5	ug/L		05/23/18 LZ	
1,2,3-Trichlorobenzene	ND	1	0.5	ug/L		05/23/18 LZ	
1,2,4-Trichlorobenzene	· ND	1	0.5	ug/L		05/23/18 L2	<u>,</u>
1,2,4-Trimethylbenzene	• ND	1	0.5	ug/L		05/23/18 L2	
1,2-Dibromo-3-chloropropane	ND	1	0.5	ug/L		05/23/18 LZ	•
1,2-Dibromoethane	ND	1	0,5	ug/L		05/23/18 L2	
1,2-Dichlorobenzene	ND	1	0.5	ug/L		05/23/18 L2	
1,2-Dichloroethane	ND	1	0.5	ug/L		05/23/18 LZ	
1,2-Dichloropropane	ND	1	0.5	ug/L		05/23/18 LZ	
1,3,5-Trimethylbenzene	ND ND		0.5	ug/L		05/23/18 LZ	
1,3-Dichlorobenzene	ND	1	0.5	ug/L		05/23/18 L2	
1,3-Dichloropropane	ND	1	0.5	ug/L		05/23/18 LZ	
1,4-Dichlorobenzene	ND .	1	0.6	ug/L		05/23/18 LZ	
2,2-Dichloropropane	ND		0.5	ug/L		05/23/18 Lz	
2-Chlorotoluene	ND	1	0.5	ug/L		05/23/18 LZ	
4-Chlorotoluene	ND	1	0.5	ug/L ug/L		05/23/18 LZ	
4-Isopropyltoluene	ND ND	1	0.5	ug/L ug/L		05/23/18 LZ	
Benzene	ND ND		0.5	ug/L		05/23/18 Lz	
Bromobenzene	ND ND	1	0.5	ug/L ug/L		05/23/18 L2	
Bromochloromethane	ND ND	1	0.5	=		05/23/18 LZ	
	ND ND	1		ug/L			
Bromodichloromethane Bromoform	ND ND	<u>'</u>	0.5 0.5	ug/L		05/23/18 LZ 05/23/18 LZ	
Bromomethane	ND ND	-	0.5	ug/L		05/23/18 L2	
		1.		ug/L			
Carbon Tetrachloride Chlorobenzene	ND ND	1	0.5	ug/L		05/23/18 L2	
Chlorodibromomethane		-	0.5	ug/L		05/23/18 LZ	
	ND	1	0.5	ug/L		05/23/18 LZ	
Chloroethane	ND	1	0.5	ug/L		05/23/18 L2	
Chloroform	ND	1	. 0.5	ug/L "		05/23/18 L2	
Chloromethane	ND		0.5	ug/L		05/23/18 LZ	
cls-1,2-Dichloroethene	ND	1	0.5	ug/L		05/23/18 L2	
cls-1,3-dichloropropene	ND	1	. 0.5	ug/L		05/23/18 LZ	
Dibromomethane	ND	1	0.5	ug/L		05/23/18 L2	
Dichlorodifluoromethane	ND ND	!	0.5	_ug/L		05/23/18 L2	
Ethylbenzene	ND	1	0,5	ug/L		05/23/18 L2	
Hexachlorobutadiene	ND ND	1	0.5	ug/L 		05/23/18 L2	
Isopropylbenzene	ND	1	0.5	ug/L		05/23/18 L2	
m and p-Xylene	ND	_ 1	0.5	ug/L		05/23/18 LZ	
Methylene chloride	ND	1	0.5	ug/L		05/23/18 L2	
Methyl-t-butyl Ether (MTBE)	, ND	1	3	ug/L	•	05/23/18 L2	
Naphthalene	. ND	1	0.5	ug/L		05/23/18 L2	
N-butylbenzene	ND	1	0.5	ug/L	,	05/23/18 LZ	
N-propylbenzene	ND	1	0.5	ug/L		05/23/18 L2	<u> </u>
o-Xylene	ND	1	0.5	ug/L		05/23/18 L2	

Matrix: Drinking Water

Client: City of Inglewood

Collector:

Sampled: 05/22/2018 15:55

Site:

Sample #: 402874-001

Client Sample #: Well 7-Well Blend

Sample Type:

Analyte		Result	DF	RDL	Units	Prepared	Analyzed By Notes
Sec-butylbenzene		ND	1	0.5	ug/L		05/23/18 LZ
Styrene		ND	1	0.5	ug/L		05/23/18 LZ
Tert-butylbenzene		ND	**	0.5	ug/L		05/23/18 LZ
Tetrachloroethene		ND		0.5	ug/L		05/23/18 LZ
Toluene		ND	1	0.5	ug/L		05/23/18 LZ
trans-1,2-dichloroethene		ND	1	0.5	ug/L		05/23/18 LZ
trans-1.3-dichloropropene		ND	1	0.5	ug/L		05/23/18 LZ
Trichloroethene		ND		0.5	ug/L		05/23/18 LZ
Trichlorofluoromethane		ND	-1	5	ug/L		05/23/18 LZ
Vinyt Chloride		ND	1	0.5	ug/L		05/23/18 LZ
Xylenes (Total)		ND	1	0.5	ug/L		05/23/18 LZ
Surrogate		24	Recovery	Limits	<u>Notes</u>		
1,2-Dichloroeihane-d4 (SUR)			98	70-145			
4-Bromofluorobenzene (SUR)			109	70-145			
Dibromofluoromethane (SUR)			102	70-145			
Toluene-d8 (SUR)			100	70-145			
Method: EPA 531,1	Prep Method:	Method	***************************************		***************************************		QCBatchiD:
See Attached			1	······································			
Method: EPA 547	Prep Method:	Method					QC5atchID:
Glyphosate		Attached	1		······································	***************************************	
Method: EPA 548:1	Prep Method:	Method			***************************************		QCBatchiD:
Endothall	***************************************	Attached			······································		56 25 63 53 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
Method: EPA 549.2							C.C.C. C.C.C.C.C.
See Attached	Prep Method:	MEBIOG	1		***************************************	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	OCBatchID:
					***************************************		2.00
Method: EPA 900.0 See Attached	Prep Method:	Memod			·······	***************************************	QC9aichtD:
			{		·····		
Method: SM 2120-B	Prep Method:	*****************		***************************************			QCBatchID: QC1191475
Color		ND	1	5	Color Unit		05/23/18 10:00 WW
Method: SM 2130-8	Prep Method:	Method					QCBatchID: QC1191479
Turbidity		0.75	1	0.1	NTU		05/23/18 10:00 VVW
Method: SM 2150-B	Prep Method:	Method			***************************************		QCBatchID: QC1191476
Odor Threshold		ND	1	1	T.O.N		05/23/18 10:00 WW
Method: SM 2320-B	Prep Method:	Meihor			***************************************		QC8atchID: QC1191732
Bicarbonate (HCO3)		310	2.5	12.5	mg/L		05/31/18 VVW
Carbonate (CO3)		ND	2.5	12.5	mg/L		05/31/18 WW
Hydroxide (OH)		ND	2.5	12.5	mg/L		05/31/18 WW
Total Alkalinity (as CaCO3)		260	2.5	12.5	mg/L		05/31/18 WW
Method: SM 2340-B	Prep Method:	None					QCBatchID: QC1191410
Total Hardness	, . e.g. evicii itiid.	279	·····	0.5	mg/L	05/23/18	The company of the control of the co
Method: SM 2510-B	Dog Bakand		, , , , , , , , , , , , , , , , , , ,			a ay year 150	550 ninkth - 664454044
Specific Conductance	Prep Method:			4	umhoriom		QC8atchID: QC1191641 D5/29/18 TD
		970	1	1	umhos/cm		
Method: SM 2540-C	Prep Method:	**********	***********************		***************************************		QC8aidhlD: QC1191661
Total Dissolved Solids		512	2	20	mg/L	05/29/18	05/29/18 TD
Method: SM 4500-CN-E	Prep Method:	Method					GCBatchiD: GC1191459
Cyanide		ND	1	0.01	mg/L	05/23/18	05/23/18 TP
Method: SM 4500-SiO2-C	Prep Method:	Method					QCBatchiD: QC1191443
Silica		35	5	5	mg/L	05/23/18	05/23/18 TP



FINAL REPORT

Work Orders: 9E02018

Project: Well#7

Report Date:

5/15/2019

Received Date:

5/2/2019

Turnaround Time:

Normal

Phones:

(310) 412-8890

Fax:

(310) 330-5798

P.O. #:

Billing Code:

Attn: Ismael Perez

Client: City of Inglewood

359 North Eucalyptus Avenue Inglewood, CA 90302

Dear Ismael Perez :

Enclosed are the results of analyses for samples received 5/2/2019 with the Chain-of-Custody document. The samples were received in good condition, at 5.9 °C and on ice. All analysis met the method criteria except as noted in the case narrative or in the report with data qualifiers.



Sample Results

Sample:	Well #7				Sampled: 05,):15 by Allan Goldberg	
·	9502018-01 (Water)							
Analyte			Result	MRL	Units	Dif	Analyzed	Qualifier
Method: SN	и 9215B	Batch ID: W9E0239	Instr: _ANALYST	Prepared:	05/02/19 13:53		Analyst: jns	
Heterotro	phic Plate Count		ND	1,0	CFU/ml	1	05/04/19 11:40	
* .								***************************************
Sample:	Well #7				Sampled: 05	/02/19 9	3:55 by Allan Goldberg	(wecklabs)
	9E02018-02 (Water)							
Analyte			Result	MAL	Units	Dii	Analyzed	Qualifier
Method: 58	n 92238	Batch ID: W9E0205	Instr: _ANALYST	Prepared:	05/02/19 13:53		Analyst: slh	
E. coli			Absent	1.0	N/A	1	05/03/19 10:36	
Total Coll	form		Absent	1,0	N/A	1	05/03/19 10:36	

APPENDIX 4

Vulnerability Assessment and Monitoring Frequency Guidelines LGLE

STATE WATER RESOURCES CONTROL BOARD, DIVISION OF DRINKING WATER (DDW)

Vulnerability Assessment and Monitoring Frequency Guidelines

Source Class Code: LGLE, Community Water System, Groundwater, Population > 3300

Monitoring Period: January 1, 2017 to December 31, 2019

INORGANIC CHEMICALS Table 64431-A	MCL (mg/L)	Vulnerability	Monitoring Frequency
Aluminum (See Also Secondary Standards)	1.	N/A	Every Three Years
Antimony	0.006	N/A	Every Three Years
Arsenic	0.010	N/A	Every Three Years
Asbestos	7 MFL*	Non-Vulnerable Vulnerable	Waived Once during this period if your source(s) is listed in the Asbestos Table 1
Barium	1.	N/A	Every Three Years
Beryllium	0.004	N/A	Every Three Years
Cadmium	0.005	N/A	Every Three Years
Chromium	0.05	N/A	Every Three Years
Cyanide	0.15	Vulnerable	Every Three Years
Fluoride	2.0	N/A	Every Three Years
Hexavalent Chromium	0.010	N/A	Every Three Years
Mercury	0,002	N/A	Every Three Years
Nickel	0.1	N/A	Every Three Years
Nitrate (as Nitrogen)	10.	N/A	Annually if $< 1/2$ MCL Quarterly if $\ge 1/2$ MCL but \le MCL
Nitrite (as Nitrogen)	1.0	N/A	Every Three Years if < 1/2 MCL Quarterly if ≥ 1/2 MCL but ≤ MCL
Perchlorate	0.006	N/A	Every Three Years Annually if your source(s) is listed in the Perchlorate Table ² Quarterly if \geq DLR but \leq MCL
Selenium	0.05	N/A	Every Three Years
Thallium	0.002	Ň/A	Every Three Years

^{*}MFL - Million fibers per liter, MCL for fibers exceeding 10 um in length

¹DDW has determined certain sources to be vulnerable to asbestos contamination due to a review of USGS information. The enclosed Asbestos Table indicates which source is vulnerable to asbestos. You do not need to conduct monitoring if an Asbestos Table is not enclosed.

²DDW requires some sources to have annual perchlorate monitoring due to known contamination. The enclosed Perchlorate Table indicates which source needs annual perchlorate monitoring. You do not need to conduct annual monitoring if a Perchlorate Table is not enclosed.

³If you submitted a waiver request for Thiobencarb, please refer to the enclosed Thiobencarb Table for monitoring requirements.

GENERAL MINERAL Section 64449 (b)(2)	MCL (mg/L)	Vulnerability	Monitoring Frequency	
Section 64439 (0)(2) Bicarbonate Alkalinity v		N/A	Every Three Years	
Calcium \	· · · · · · · · · · · · · · · · · · ·	N/A	Every Three Years	
Carbonate Alkalinity	to the same of the	N/A	Every Three Years	
Hydroxide Alkalinity		N/A	Every Three Years	
Magnesium	***************************************	N/A	Every Three Years	
Magnesium Sodium		N/A	Every Three Years Every Three Years	
		N/A	Laurence from a second	
Total Hardness		N/A	Every Three Years	
pH //	· +	N/A	Every Three Years	
SECONDARY STANDARDS Tables 64449-A	MCL (mg/L)	Vulnerability	Monitoring Frequency	
Aluminum	0.2 mg/L	N/A	Every Three Years	
Color	15 Units	N/A	Every Three Years	
Соррег	1.0 mg/L	N/A	Every Three Years	
Foaming Agents (MBAS)	0.5 mg/L	N/A	Every Three Years	
Iron	0.3 mg/L	N/A	Every Three Years	
Manganese	0.05 mg/L	N/A	Every Three Years	
Odor - Threshold	3 Units	N/A	Every Three Years	
Silver	0.1 mg/L	N/A	Every Three Years	
Thiobencarb	0.001 mg/L	N/A	Follow monitoring requirement in Table 64444-A Part (b)	
Turbidity	5 NTU	N/A	Every Three Years	
Zinc	5.0 mg/L	N/A	Every Three Years	
Methyl-tert-butyl ether (MTBE)	0.005 mg/L	N/A	Follow monitoring requirement in Table 64444-A Part (a)	
SECONDARY STANDARDS Tables 64449-B	MCL (mg/L)	Vulnerability	Monitoring Frequency	
Total Dissolved Solids (TDS)	500-1000 mg/L	N/A	Every Three Years	
Specific Conductance	900 - 1600 umhos	N/A	Every Three Years	
Chloride	250-500 mg/L	N/A	Every Three Years	
Sulfate	250-500 mg/L	N/A	Every Three Years	
RADIONUCLIDES Sections 64442 and 64443	MCL (pCi/L)	Vulnerability	Monitoring Frequency	
Gross Alpha Particle Activity	15	At a minimum all regulated isc	otopes must be monitored at least once per 9-year cycle.	
Combined Radium-226 and Radium-228	5	Based on your last round of monitoring results		
		 < DLR, collect 1 sample in 9 years 		
Uranium	20		collect 1 sample in 6 years	
		 > 1/2 MCL but ≤ MCL. 		
Tritium	20,000			
Strontium	8	Non-Vulnerable, unless notified	Waived, unless notified by DDW	
Beta/photon emitters	4 millirem/year	 by DDW		

Prepared by DDW Dec. 2016

VOLATILE ORGANIC CHEMICALS (VOCs) Table 64444-A Part (a)	MCL (mg/L)	Vulnerability	Monitoring Frequency
Benzene	0.001	Vulnerable	Annually Quarterly if ≥ DLR but ≤ MCL Monthly if > MCL
Carbon Tetrachloride	0.0005	Vulnerable	As Above
1,2-Dichlorobenzene	0.6	Vulnerable	As Above
1,4-Dichlorobenzene	0.005	Vulnerable	As Above
1,1-Dichloroethane	0.005	Vulnerable	As Above
1,2-Dichloroethane	0.0005	Vulnerable	As Above
1,1-Dichloroethylene	0.006	Vulnerable ·	As Above
cis-1,2-Dichloroethylene	0.006	Vulnerable	As Above
trans-1,2-Dichloroethylene	0.01	Vulnerable	As Above
Dichloromethane	0.005	Vulnerable	As Above
1,2-Dichloropropane	0.005	Vulnerable	As Above
1,3-Dichloropropene	0.0005	Vulnerable	As Above
Ethylbenzene	0.3	Vulnerable	As Above
Methyl- <i>tert</i> -butyl ether (MTBE)	0.013	Vulnerable	As Above
Monochlorobenzene	0.07	Vulnerable	As Above
Styrene	0.1	Vulnerable	As Above
1,1,2,2-Tetrachloroethane	0.001	Vulnerable	As Above
Tetrachloroethylene	0.005	Vulnerable	As Above
Toluene	0.15	Vulnerable	As Above
1,2,4-Trichlorobenzene	0.005	Vulnerable	As Above
1,1,1-Trichloroethane	0.200	Vulnerable	As Above
1,1,2-Trichloroethane	0.005	Vulnerable	As Above
Trichloroffuoromethane	0.15	Vulnerable	As Above
1,1,2-Trichloro-1,2,2-trifluoroethane	1.2	Vulnerable	As Above
Trichloroethylene	0.005	Vulnerable	As Above
Vinyl Chloride	0.0005	Vulnerable	As Above
Xylenes	1.750	Vulnerable	As Above

SYNTHETIC ORGANIC CHEMICALS (SOCs) Table 64444-A Part (b)	MCL (mg/L)	Vulnerability	Monitoring Frequency
Alachlor	0.002	Vulnerable	Two quarterly samples in one year during this period
Atrazine	0.001	Vulnerable	Two quarterly samples in one year during this period
Bentazon	0.018	Vulnerable	Two quarterly samples in one year during this period
Benzo (a) pyrene	0.0002	Non-Vulnerable	Waived
Carbofuran	0.018	Non-Vulnerable	Waived
Chlordane	0.0001	Non-Vulnerable	Waived
2,4-D	0.07	Vulnerable	Two quarterly samples in one year during this period
Dalapon	0.2	Non-Vulnerable	Waived
1,2-Dibromo-3-chloropropane (DBCP)	0.0002	Non-Vulnerable	Waived
Di (2-ethylhexyl) adipate	0.4	Non-Vulnerable	Waived
Di (2-ethylbexyl) phthalate (DEHP)	0.004	Vulnerable	Two quarterly samples in one year during this period
Dinoseb	0.007	Vulnerable	Two quarterly samples in one year during this period
Diquat	0.02	Vulnerable	Two quarterly samples in one year during this period
Endothall	0.1	Vulnerable	Two quarterly samples in one year during this period
Endrin	0.002	Non-Vulnerable	Waived
Ethylene Dibromide (EDB)	0.00005	Non-Vulnerable	Waived
Glyphosate	0.7	Vulnerable	Two quarterly samples in one year during this period
Heptachlor	0.00001	Non-Vulnerable	Waived
Heptachlor Epoxide	0.00001	Non-Vulnerable	Waived
Hexachlorobenzene	0.001	Non-Vulnerable	Waived
Hexachlorocyclopentadiene	0.05	Non-Vulnerable	Waived
Lindane	0.0002	Non-Vulnerable	Waived
Methoxychlor	0.03	Non-Vulnerable	Waived
Molinate	0.02	Non-Vulnerable	Waived
Oxamyl (Vydate)	0.05	Non-Vulnerable	Waived
Pentachlorophenol	0.001	Vulnerable	Two quarterly samples in one year during this period
Picloram	0.5	Non-Vulnerable	Waived
Polychlorinated Biphenyls (PCBs)	0.0005	Non-Vulnerable	Waived
Simazine	0.004	Vulnerable	Two quarterly samples in one year during this period
Thiobencarb	0.07	Refer to "Thiobencarb Table"	Vulnerable-Two quarterly samples in one year during this period Waived-No Samples required in this period
Toxaphene	0.003	Vulnerable	Two quarterly samples in one year during this period
2,3,7,8-TCDD (Dioxin)	3x10 ⁻⁸	Non-Vulnerable	Waived
2,4,5-TP (Silvex)	0.05	Non-Vulnerable	Waived

Source Class Code – LGLE Prepared by DDW Dec. 2016 Page 4 of 4

APPENDIX 5

Treatment Facility Classification Worksheet

Treatment Classification

City of Inglewood - System 1910051

Treatment Facility:	Sanford M. Anderson Water Treatment Plant (Wells 1, 2, 4, 6, and 7)
Date:	9/13/18

Section 64413.1 Classification of Water Treatment Facilities Table 64413.1-A Water Treatment Facility Class Designation

Total Points	Class	Designation
Less than 20	T1	
20 through 39	T2	Х
40 through 59	T3	
60 through 79.	T4	
80 or more	T5	

Section 64413.1(b). The calculation of total points for each water treatment facility shall be the sum of the points derived in each of paragraphs (1) through (13) except where a treatment facility treats more than one source, in which case the source with the highest average of each contaminant shall be used to determine the point value in paragraphs (2) through (5).

Section 63750.85. "Water treatment facility" means a group or assemblage of structures, equipment, and processes that treat or condition a water supply, affecting the physical, chemical, or bacteriological quality of water distributed or otherwise offered to the public for domestic use by a public water system as defined in Health and Safety Code Section 116275. Facilities consisting of only disinfection for which no *Giardia* or virus reduction is required pursuant to Section 64654(a) and which are under the control of a certified distribution operator are not included as water treatment facilities.

INSTRUCTIONS: For each paragraph item that applies to the system, insert the appropriate number of points in the **Points Assigned** column. For paragraphs (1), (2), (3), (7), (8), (9), (12), and (13), assign **one value only** (whichever is highest) for each paragraph. For paragraphs (4), (5), (6), (10), and (11), assign **all point values** that apply for each paragraph. This spreadsheet will total the points and determine the system's classification.

Paragraph	Points Possible	Points Assigned
(1) Source Water Used by Facility		
Groundwater and/or purchased treated water meeting primary and secondary drinking water standards, as defined in Section 116275 of the HSC	2	2
Water that includes any surface water or groundwater under the direct influence of surface water	5	
(2) Influent Water Microbiological Quality, Median Coliform Density, Most Probable Number Index (MPN) (a)		N/A
Less than 1 per 100 mL	0	Section of the Control of the Contro
1 through 100 per 100 mL	2	
Greater than 100 through 1,000 per 100 mL	4	
Greater than 1,000 through 10,000 per 100 mL	6	
Greater than 10,000 per 100 mL	- 8	·
(3) Influent Water Turbidity, Maximum Influent Turbidity Level, Nephelometric Turbidity Units (NTU) (b)		N/A
Less than 15	0	
15 through 100	2	
Greater than 100	5	1
(4) Influent Water Perchlorate, Nitrate, and Nitrite; Perchlorate, Nitrate, and Nitrite Data Average (c)		
Less than or equal to the MCL	0	0
Greater than the MCL	5	1 '
(5) Influent Water Chemical and Radiological Contamination, Contaminant Data Average (d)		
Less than or equal to the MCL	0	
Greater than the MCL	2	0
5 times the MCL or greater	5	

City of Inglewood - System 1910051

(6) Surface Water Filt	ration Treatment		N/A
Conventional, direct, or inline		15	
Diatomaceous earth		12	
Slow sand, membrane, cartridge, or bag filter		8	
Backwash recycled	as part of process	5	
that is used to red MCL exists, pursu Blending shall on exceeds a priman		10	0
reduce the conce pursuant to Table	h treatment process not included in paragraphs (6) or (7) that is used to ntration of one or more contaminants for which a secondary MCL exists, s 64449-A and 64449-B, shall be 3. Blending shall only be counted as a if one of the blended sources exceeds a secondary MCL.	3	. 3
	h treatment process not included in paragraphs (6), (7), or (8) that is used trol or fluoridation shall be 3.	3	0
(10) Disinfection Treat	ment	Processor of the control of the cont	N/A
Ozone		10	
Chlorine and/or chi	oramine	10	
Chlorine dloxide		10	
Ultraviolet (UV)		7	
(11) Disinfection/Oxid	ation Treatment without Inactivation Credit	The second secon	
Ozone		5	
Chlorine and/or chl	oramine	5	
Chlorine dioxide		5	5
Ultraviolet (UV)		3	
Other oxidants	,	5	
chemical charact	r other treatment process that alters the physical or eristics of the drinking water and that was not included , (7), (8), (9), (10), or (11) shall be 3.	3	0.
(13) The points for fac thereof of maxim of 50 points; exce be based on the f	ility flow shall be 2 per million gallons per day or fraction um permitted treatment facility capacity, up to a maximum opt that for facilities utilizing only blending, the points shall low from the contaminated source and the dilution flow the MCL(s) specified in Tables 64431-A, 64444-A, 64449-A,	50 max 8:64 MGD	17.3
A PROPERTY OF THE PROPERTY OF	· ·	Total Points	27.3

Item #8 - treatment for manganese and iron Item #13 - Capacity of Sanford TP is 8.64MGD

- (a) Median of all total coliform analyses completed in the previous 24 months.
- (b) For facilities treating surface water or groundwater under the direct influence of surface water, based on the previous 24 months of data, except that if turbidity data is missing for one or more of the months, the points given for turbidity shall be 5. The maximum influent turbidity sustained for at least one hour according to an on-line turbidimeter shall be used unless such data is not available, in which case, the maximum influent turbidity identified by grab sample shall be used. For facilities that have not been in operation for 24 months, the available data shall be used. For facilities whose permit specifies measures to ensure that influent turbidity will not exceed a specified level, the points corresponding to that level shall be assigned.
- (c) The points for influent water perchlorate, nitrate, or nitrite levels shall be determined by an average of the three most recent sample results. The points assigned should be the sum of the points for each contaminant.
- (d) The points for other influent water contaminants with primary MCLs shall be a sum of the points for each of the inorganic contaminants (Table 64431-A), organic contaminants (Table 64444-A) and radionuclides (Tables 64442 and 64443). The points for each contaminant shall be based on an average of the three most recent sample results. If monitoring for a contaminant has been waived pursuant to Sections 64432(k), 64432.2(c) or 64445(d), the points shall be zero for that contaminant.