

DATE: November 21, 2019

TO: Watershed Conservation Authority Governing Board

FROM: Bryan Moller, Project Manager

THROUGH: Mark Stanley, Executive Officer

SUBJECT: Item 10: Consideration of a resolution to amend professional services contract (WCA 18520) with McMor Water Services Company to extend contract through FY19/20.

RECOMMENDATION: That the Watershed Conservation Authority (WCA) Governing Board approve a resolution to amend professional services contract (WCA 18520) with McMor Water Services Company to extend contract for an additional 7-months, through the end of FY19/20 at the current monthly fee of \$2,664, for an additional \$18,648.

PROJECT DESCRIPTION: The Azusa Springs Water System (ASWS) is a public water system that serves the WCA and River and Mountains Conservancy (RMC) offices, three residential units, and a park caretaker RV located at the Azusa River Wilderness Park. As a transient non-community water system with a Surface Water Treatment Plant WCA is responsible for complying with all requirements and conditions defined in its water system permit (Exhibit A). Since WCA does not employ a Certified Operator, WCA contracts out ASWS service operations for compliance with the State requirements.

This action will extend qualified T2 and D1 certified professional services contract operation with Moro Water Services Company through the remainder of FY19/20 to ensure uninterrupted compliance with State water quality requirements.

BACKGROUND: In March 2019 WCA Board approved Resolution 2019-19 which authorized the WCA to negotiate and enter into a professional services contract for a vendor to provide services for the Azusa Springs Water System. In April 2019 WCA entered into a short-term contract (WCA 18520, Exhibit B) with McMor Water Services Company, to provide required T2 and D1 Certified Treatment and Distribution Operator services. The short-term contract was for a monthly fee of \$2,664 with a total contract value not to exceed \$21,312 begin April 1, 2019 and ending on November 30, 2019. The reasoning for the short-term contract was that WCA Staff explored receiving certification to operate the ASWS, thereby avoiding the need to contract a third-party operator; however, due to staffing changes this did not materialize.

As the ASWS remains in a state of repair, with the previous turbidity meter issues fixed and now the chlorine meter defaulting, the ASWS remains on a "boil water notice" with the State Water Resources Control Board and WCA's reporting requirements as a small water system operator remain unchanged, staff believes it prudent for WCA to maintain the same water treatment operator for the remainder of the fiscal year. McMor Water Services Company would provide for the system sampling and reporting requirements to the state, while assisting WCA with needed repairs.

FISCAL INFORMATION: The additional \$18,648 in this contract amendment will bring the total contract value to \$39,960 of which \$31,968 is attributable to FY19/20 for contracted operator services funded under the category of Water System Operation/Irrigation. This value is within the FY19/20 budgeted amount of \$48,958.

**County of Los Angeles
Department of Public Health**

PERMIT NO. 131018-1909644

AZUSA SPRINGS WATER SYSTEM

Los Angeles County

System 1909644

August 2013

STATE OF CALIFORNIA

DOMESTIC WATER SUPPLY PERMIT

Issued To

Azusa Spring Water System

Public Water System No. 1909644

By The

**County of Los Angeles
Department of Public Health**



PERMIT NUMBER: 131018-1909644

DATE: 10/18/2013

WHEREAS:

- I. Since the original domestic water permit No. 394-4623-921 for the ***Azusa Springs Water System*** was issued by the County of Los Angeles Department of Public Health (hereinafter, County) on March 6, 2002, there have been numerous changes and improvements being made, including the projects described in Section C-3 of the attached Sanitary Survey Report, and, therefore, a revised full operating permit is warranted and initiated by the County.
- II. This public water system is known as the ***Azusa Springs Water System (hereinafter, ASWS)*** whose headquarters is located at ***100 N. Old San Gabriel Canyon Road, Azusa, California 91702.***
- III. The legal owner of ***ASWS*** is ***Watershed Conservation Authority.*** The ***Watershed Conservation Authority,*** therefore, is responsible for compliance with all statutory and regulatory drinking water requirements and the conditions set forth in this permit.
- IV. The public water system is described briefly below (more detailed description of the permitted system is described in the attached Sanitary Survey Report):

The facilities include one active well with associated chlorination unit, one local surface water treatment plant with associated chlorination unit, two storage facilities, and various pipelines and appurtenances as required.

- V. The service area of **ASWS** is shown on the service area map in **Appendix 1** of the Sanitary Survey Report.

And WHEREAS:

- I. All of the required information relating to the proposed operation of **ASWS's** water system has been submitted.
- II. The County has evaluated all of the information submitted and has conducted a physical investigation of **ASWS's** water system.
- III. The County has the authority to issue domestic water supply permits pursuant to Health and Safety Code Section 116540.

THEREFORE: The County of Los Angeles, Department of Public Health has determined the following:

- I. **ASWS's** water system meets the criteria for and is hereby classified as a ***transient non-community*** water system.
- II. The applicant has demonstrated that **ASWS's** water system has sufficient source capacity to serve the peak water demand.
- III. The design of the water system complies with the California Waterworks Standards and all applicable regulations.
- IV. The applicant has demonstrated adequate technical, managerial, and financial capacity to reliably operate the existing water system and proposed facilities.
- V. Provided the following conditions are complied with, **ASWS's** water system should be capable of providing water to consumers that is pure, wholesome, and potable and in compliance with statutory and regulatory drinking water requirements at all times.

THE WATERSHED CONSERVATION AUTHORITY IS HEREBY ISSUED THIS DOMESTIC WATER SUPPLY PERMIT TO OPERATE THE AZUSA SPRINGS WATER SYSTEM'S WATER SYSTEM.

ASWS’s water system shall comply with the following permit conditions:

GENERAL

1. ASWS shall comply with all state laws applicable to public water systems and any regulations, standards, or orders adopted thereunder.
2. The only approved source of domestic water supply is listed in Table 1.

Table 1: Groundwater Sources Under the Influence of Surface Water

Source	PS Code	Status	Capacity (gpm)
Well 1	1909644-001	Active	20

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

Table 3: Treatment

Facility	Treatment	Location/Remark
Surface Water Treatment Plant	Alternative Direct filtration technology – treat raw water from Well 1	EPD Plant – two dual-stage high-rate filters, located at site of storage tanks
Chlorination	Liquid sodium hypochlorite solution at Well 1 and at Water Treatment Plant effluent. The storage tanks provide disinfection contact time.	

4. No additions, changes or modifications to the sources of water supply or water treatment facilities outlined in Conditions 2 and 3 shall be made without prior receipt of an amended domestic water supply permit from the County.
5. All treatment facilities shall be operated by personnel who have been certified in accordance with the Regulations relating to Certification of Water Treatment Facility Operation, CCR, Title 22. The Chief Treatment Operator and Shift Treatment Operator shall have the minimum certifications designed in Table 4.

Table 4: Treatment Plant Classification and Minimum Operator Certification Requirement

Treatment Plant Site	Treatment Plant Classification	Min. Certification Requirement	
		Chief Treatment Operator	Shift Treatment Operator
Water Treatment Plant	T2	T2	T1

6. ASWS shall have one person designated as the Chief distribution operator with a D1 certification and one person designated as the Shift distribution operator with

a D1 certification, at a minimum. ASWS shall have one person designated as the Chief treatment operator with a T2 certification and one person designated as the Shift distribution operator with a T1 certification, at a minimum.

7. All water produced by ASWS for domestic purposes shall meet the Maximum Contaminant Levels (MCLs) established by the California Department of Public Health (State). If the water quality does not comply with the California Drinking Water Standards, treatment shall be provided to meet those standards.
8. ASWS shall maintain a program for the protection of the domestic water system against possible backflow from premises having dual or unsafe water systems in accordance with the Cross-Connection Regulations, Title 17 of CCR. All backflow devices shall be tested annually.

SURFACE WATER TREATMENT PLANT

9. The Well 1 groundwater under the direct influence of surface water (GWUDI) source shall be deemed an approved source that shall meet 99.9 percent (3-log) reduction of Giardia, 99.99 percent (4-log) reduction of viruses, and 99 percent (2-log) reduction of Cryptosporidium through removal and inactivation.
10. ASWS shall comply with requirements of the Surface Water Treatment Rule (SWTR). The EPD (Environmental Products Division) filtration technology is an approved alternative technology with the credit of 2.0 log removal of Giardia, 1.0 log removal of virus, and 2.0 log removal of Cryptosporidium, provided that operating and performance criteria are met. The disinfection process must therefore provide at least 1.0 log inactivation of Giardia and 3.0 log inactivation of viruses, provided that operating and performance criteria are met.
11. The EPD Plant shall not be operated above the design capacity of 20 gpm during normal operation. The filter bed shall not be operated above the filtration rates of 5.0 and 12.0 gpm/sq. ft for treating raw water turbidity up to 20 and 6 NTU, respectively, as established by the State's Alternative Filtration Demonstration Studies.
12. There shall be no bypassing of any treatment process, at any time. These processes include coagulant feed, dual-stage filtration, and disinfection.
13. The turbidity level of the filtered water shall be equal to or less than 0.2 NTU in 95 percent (95%) of the measurements taken each month, shall not exceed 5 NTU at any time, and shall not exceed 1.0 NTU for more than eight (8) consecutive hours while in operation.

14. Following any backwashing event, the turbidity of the effluent shall not exceed any of the following:
 - a) 2.0 NTU.
 - b) 1.0 NTU in at least 90 percent of the interruption events during any consecutive 12-month period.
 - c) 0.2 NTU after the filter has been in operation for 4 hours.
15. ASWS shall contact the County by phone within four (4) hours of any acute violation or occurrence of a hazardous situation.
16. ASWS is required to notify the County within 24 hours by telephone whenever:
 - a) The turbidity of the plant effluent exceeds 5.0 NTU at any time.
 - b) More than two consecutive turbidity samples of the plant effluent taken every four hours exceed 1.0 NTU.
16. The plant effluent must be continuously chlorinated and shall have a minimum chlorine residual of at least 0.2 mg/L. The plant effluent shall be monitored daily for chlorine residual, pH, and temperature, and a daily CT calculation must be performed.
17. The disinfection residual shall be detectable in at least 95 percent of the samples taken from the distribution system based on the samples collected during two consecutive months. The presence of heterotrophic plate count (HPC) of 500 CFU/mL or less may be substituted for a detectable residual. The residual measurements shall be made in conjunction with coliform sampling.
18. The plant effluent turbidity shall be measured and recorded continuously. Continuous turbidity measurements may be substituted for grab sample monitoring provided ASWS validates the accuracy of the measurements on a weekly basis. Monitoring shall be conducted in accordance with the approved Water Treatment Plant Operations Plan and Technical Report (Operations Plan).
19. ASWS shall submit a monthly operation report to the County by the 10th day of the following month. The report shall include the daily turbidity measurements for raw water and treated water, chlorine residual measurements of the treated water, CT calculations, and a log of turbidimeter calibrations, a list of water quality complaints and reports of water borne illness received from consumers. Treatment plant records shall be maintained for at least five (5) years.

20. ASWS shall comply with the SWTR's reliability features including:
 - a) Alarm - for all critical functions including pressure-sensing devices on the discharge of all chemical feed equipment to signal a failure of chemical feed pumps, motors, and power outages
 - b) Dedicated standby replacement and chemical storage available to assure continuous operation and control of unit processes for coagulation, filtration and disinfection
 - c) Backup power supply
21. ASWS shall physically inspect and evaluate the EPD filters annually for such factors as media condition, mud ball formation, and short-circuiting. The filter evaluation report shall be submitted to the County by January of every year.
22. The raw water alarm and automatic plant shutdown shall be activated at a raw water turbidity of 10 NTU for more than 10 minutes. The plant operator shall perform an on site inspection every time the influent turbidity exceeds 6 NTU. Otherwise, the plant should be taken off-line within 30 minutes of notification until the inspection can be done.
23. Operation of the plant should be adjusted so that the effluent recording turbidimeter and chlorine residual recorder will shut down the plant whenever the treated water turbidity exceeds 0.5 NTU for more than 30 minutes and/or the chlorine residual in the effluent of plant falls below 0.2 mg/L for more than 4 hours.
24. Each on-line turbidimeter should be calibrated at least every three months. Also, the on-line units should be standardized against the bench top turbidimeter weekly. Logbooks shall be maintained for each unit that details calibration, cleaning, and maintenance. The logbooks shall include date, model, location of turbidimeter, and procedures used.
25. ASWS shall maintain daily records of flow, chlorine residuals, and filtered water turbidity measurements. Also, ASWS should keep records of the raw water turbidity, and treated water pH and temperature necessary for calculation of disinfection residual effectiveness.

26. ASWS shall keep a complete record of all emergency events and scheduled interruptions in water service. These records should include:
- a) Location of the problem.
 - b) Cause of the interruption.
 - c) Date, approximate time, and duration of the problem.
 - d) Action steps taken to correct the problem
 - e) Precautions taken to minimize contamination of the supply and notification of affected users.
27. The plant shall be operated in accordance with the Operations Plan approved by the County.

OPERATION

28. ASWS shall maintain operational records including the total volume of water treated daily and the total volume of chemical used for at least five (5) years.
29. ASWS shall inspect and verify that all equipment at the facility is working properly on a weekly basis. These equipment include but are not limited to:
- a) Flowmeter and recorder
 - b) Influent and effluent turbidimeters and recorders
 - c) Chlorine analyzer and recorder.
30. All equipment shall be maintained and calibrated according to procedures specified by the manufacturers.
31. ASWS's operational and maintenance records shall be kept for a minimum of five years and be made available for the County to review upon request. The records should include logs of equipment failure and corrective actions performed.

SOURCE WATER MONITORING AND OTHERS

32. ASWS shall monitor groundwater and surface water sources in accordance with the most recent edition of the Vulnerability Assessment and Monitoring Frequency Guidelines. In addition, ASWS shall consistently monitor for aluminum at the surface water treatment plant effluent on a monthly basis. ASWS shall submit the data to the County utilizing the Electronic Data Transfer (EDT) by the 10th of the following month using the given PS Codes.

33. Operators (shift operators) and supervisor personnel (chief operator) who make operational decisions on the treatment facilities as identified in Condition 3 shall have a copy of and shall be familiar with the conditions of the water supply permit conditions. A copy of the Operations Plan and the permit document shall be maintained at ASWS's office for reference.

This permit supersedes all previous domestic water supply permits issued for this public water system and shall remain in effect unless and until it is amended, revised, reissued, or declared to be null and void by the County of Los Angeles Department of Public Health. This permit is non-transferable. Should the **Azusa Springs Water System** water system undergo a change of ownership, the new owner must apply for and receive a new domestic water supply permit.

Any change in the source of water for the water system, any modification of the method of treatment as described in the Sanitary Survey Report, or any addition of distribution system storage reservoirs shall not be made unless an application for such change is submitted to the County of Los Angeles Department of Public Health.

This permit shall be effective as of the date shown below.

FOR THE COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC HEALTH

October 18, 2013
Date



Vincent Gallegos, R.E.H.S.
Environmental Health Specialist

AGREEMENT FOR CONSULTANT SERVICES – Amendment One

THIS AGREEMENT is amended this 26th day of November 2019,

BY AND BETWEEN

Watershed Conservation Authority
(WCA), a joint powers authority between
the Rivers and Mountains Conservancy
(RMC) and the Los Angeles County
Flood Control District

AND

McMor Water Services Company
4700 District Blvd
Bakersfield, CA 93313
hereinafter referred to as "Consultant,"

The parties hereto do mutually agree to amend the agreement with respect to Sections 3 and 7 only, as follows:

3. Consideration

In consideration of the performance by Consultant in a manner satisfactory to WCA of the services described in Article 2 above, including receipt and acceptance of such work by the Executive Officer of the Watershed Conservation Authority (hereinafter called Executive Officer) or authorized representative, WCA agrees to amend the contract for an additional \$18,648 to pay the Consultant a new maximum not to exceed fee of Thirty Nine Thousand Nine Hundred and Sixty Dollars (\$39,960). Services to be rendered is extended through June 30, 2020.

7. Terms and Termination

The term of this Agreement shall be extended through June 30, 2020 and unless otherwise modified, shall terminate on the date that the work is accepted by WCA.

All other terms remain the same.

WCA

McMor Water Services Company

By _____
Mark Stanley
Executive Officer

By _____
Dennis Gatson

November 21, 2019 – Item 10

RESOLUTION 2019-45

RESOLUTION TO AMEND PROFESSIONAL SERVICES CONTRACT (WCA 18520) WITH MCMOR WATER SERVICES COMPANY TO EXTEND CONTRACT THROUGH FY19/20.

WHEREAS, the Watershed Conservation Authority (WCA) has been established as a joint powers agency between the Rivers and Mountains Conservancy and the Los Angeles County Flood Control District; and

WHEREAS, the Watershed Conservation Authority (WCA) has further been established to focus on projects which will provide open space, habitat restoration, and watershed improvement projects in both the San Gabriel and Lower Los Angeles Rivers watershed; and

WHEREAS, this action approves a resolution to authorize The Chair or Designee to amend professional services contract WCA 18520 with McMor Water Services Company to extend the contract through FY19/20 for a do not exceed amount of \$18,650; and

WHEREAS, the proposed action is exempt from the provisions of the California Environmental Quality Act; **NOW**

Therefore be it resolved that the WCA hereby:

1. **FINDS** that this action is consistent with the purposes and objectives of the WCA.
2. **FINDS** that the actions contemplated by this resolution are exempt from the environmental impact report requirements of the California Environmental Quality Act (CEQA).
3. **ADOPTS** the staff report dated November 21, 2019.
4. **AUTHORIZES** the chair or designee to amend professional services contract WCA 18520 with McMor Water Services Company to extend the contract through FY19/20 for a do not exceed amount of \$18,650.

~ End of Resolution ~

//

Motion: _____ Second: _____

Ayes: _____ Nays: _____ Abstentions: _____

Passed and Adopted by the Board of the
WATERSHED CONSERVATION AUTHORITY
On November 21, 2019

Herlinda Chico, Governing Board Chair

ATTEST: _____
David Edsall, Jr.
Deputy Attorney General