

MAYBERRY COLORADO SPRINGS

WASTEWATER SERVICE REPORT FOR PUD AMMENDMENT:
240 HOMES
3 INDUSTRIAL LOTS (FILING 2 PREVIOUSLY APPROVED)
ALL LANDSCAPING PERTAINING TO THE PUD AMENDMENT

Prepared for:

Ellicott Utilities Company, LLC
3296 Divine Heights #207
Colorado Springs, CO 80922

2022 Revisions:
1-12-22

Prepared By:



Bradley A. Simons, P.E.
Principal

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MAYBERRY, COLORADO SPRINGS

WASTEWATER SERVICE REPORT FOR PUD AMMENDMENT:

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3 INDUSTRIAL LOTS (FILING 2 PREVIOUSLY APPROVED)

ALL LANDSCAPING PERTAINING TO THE PUD AMENDMENT

INTRODUCTION

This Wastewater Service Report is prepared for Ellicott Utilities Company, LLC (EUC) a private utility company in El Paso County, Colorado. The purpose of this report is to provide the wastewater collection and treatment plan as it pertains to Mayberry, Colorado Springs.

Mayberry Communities, LLC currently has the following plats recorded for Mayberry, Colorado Springs that are in the development. Mayberry, Colorado Springs Filing No. 1 consisting of 98 residential lots, and Mayberry, Colorado Springs Filing No. 2 consisting of 3 industrial lots. Filing No. 2 will also be amended in the near future to increase the size of the industrial lots. Subsequent filings are under way to plat and record the remaining 142 homes that would build out the amended PUD.

WASTEWATER SERVICE

Mayberry, Colorado Springs is planning to connect to the central water and wastewater system that is owned and operated by Ellicott Utilities Company, LLC. It is understood that improvements to the central system will need to be made, the developer has agreed to make these improvements and dedicate them to Ellicott Utilities Company. Ellicott Utilities Company has sufficient permitted wastewater capacity at the Ellicott Springs Wastewater Treatment Plant (formerly known as the “Sunset Wastewater Treatment Plant”) to accept flow from the 240 homes and 3 industrial lots contained in this PUD Amendment. Above infrastructure improvements being dedicated to EUC, the builders will purchase sewer taps from EUC for each home and industrial lot at the rate published.

PUD AMENDMENT WASTEWATER DEMAND

| | Single Family Equivalent Units (SFE) | Average Daily WW Flow (gpd) |
|-------------------------|--|--------------------------------|
| 240 Single Family Homes | 240 | 48,000 |
| 3 industrial lots | 23.1 | 4,620 |
| Total | 263.1 | 52,620 |

Currently the treatment plant serves existing customers in the Sunset Village development and the Ellicott schools. Sunset Village wastewater is conveyed from a lift station located at 23799 Jayhawk Avenue Colorado Springs, Colorado 80928. This lift station pumps sewage through a force main to the treatment plant. A second lift station is located just outside the bus barn at Ellicott School District Property. This lift station pumps sewage to a gravity line which is then carried south to the wastewater treatment plant. In January 2002, the Sunset Wastewater Treatment Plant completed an upgrade to a permitted capacity of 250,000 gallons per day (gpd), discharging to an unnamed tributary to Black Squirrel Creek.

CDPS Permit No. CO0047252 for Ellicott Utilities Co., LLC’s wastewater treatment plant with a facility flow of 250,000 gallons per day was issued on July 31, 2014 and expired at midnight on August 31, 2019. The Water Quality Control Division (Division) received an application from Ellicott Utilities Co., LLC for an Individual permit renewal on August 7, 2019.

The Division has 180 days to issue a permit from the date an application is received. In the event that the Division does not issue a renewal permit in advance of the permit expiration date, the expired permit shall be administratively extended and continue in force to the effective date of the new permit. The permit’s duration may be extended only through administrative extensions and not through interim modifications. No permit renewal has been issued at this time.

The Division has notified Ellicott Utilities Co., LLC of its eligibility of administrative extension and the permit has been administratively extended on the date following the permit expiration.

The Ellicott Springs Wastewater Treatment Plant is a 3-cell aerated lagoon facility with chlorine disinfection. The WWTP has not discharged effluent to date based on the limited development and low flows from the service area. The GMS "Application for Site Approval" report for the treatment plant upgrade project utilized an average wastewater flow of 200 gpd/SFE, allowing for connection of up to 1,250 single-family equivalent (SFE) units to the upgraded treatment plant (250,000 gpd capacity).

The Ellicott Utilities Company wastewater service commitment status is summarized as follows:

Wastewater Service Commitments Summary
****Updated from the original JPS Engineering Report****

| | SFE ^{1,2} | WWTP Capacity (gpd) | Committed % of Hydraulic Plant Capacity |
|-----------------------------------|---------------------------|----------------------------|--|
| Total Capacity | | 250,000 | |
| | | | |
| Historic Commitments: | | | |
| Sunset Village Filings 1-5 | 184 | 36,800 | |
| Ellicott Schools (1,203 students) | 126.5 | 25,300 | |
| Proposed Commitments: | | | |
| 240 Single Family Homes | 240 | 48,000 | |
| 3 Industrial Lots | 23.1 | 4620 | |
| Total Current Commitments | 573.6 | 114,720 | 45.88% |

¹ Wastewater SFE calculated based on 200 gpd/SFE (2) Single Family Equivalent calculated based on 297.3 GPD/SFE. Industrial demand of 7.7 AF computed to 23.1 SFE by determining the average daily use and using the SFE equivalent calculation to determine wastewater projections.

The existing wastewater treatment facility has sufficient capacity to accept the flows from the PUD Amendment to encompass 240 Single Family Residential Homes, and 3 industrial buildings. Future upgrades to this facility will begin before reaching 80% of the capacity based on the guidelines set forth by CDPHE.

SUMMARY

The PUD Amendment of Mayberry, Colorado Springs including 240 homes, 3 industrial lots, and respective landscaping, will connect to the existing central sewer systems currently owned and operated by Ellicott Utilities Company, LLC.

Wastewater system improvements will be designed and constructed in accordance with Ellicott Utilities Company Standard Specifications for provision of municipal water and domestic wastewater treatment, and these facilities will ultimately be dedicated to EUC.

APPENDIX A

WATER/ WASTEWATER COMMITMENT LETTERS



Ellicott Utilities Company, LLC
P.O. Box 86
Rancho Santa Fe, CA 92067

May 14, 2021
Revised June 2, 2021

Mayberry Communities, LLC
3296 Divine Heights No. 207
Colorado Springs, CO 80922

**Re: Mayberry, Colorado Springs
PUD Amendment
Water and Wastewater Service Commitment (240 Homes 3 industrial Lots and
associated landscaping)**

Gentlemen:

It is our understanding that Mayberry Communities, LLC (the “Developer”) is interested in obtaining water and sewer service from Ellicott Utilities Company, LLC (the “Company”) for that property known as Mayberry, Colorado Springs for the Amended PUD. (the “Development”). It is our understanding that the El Paso County has previously approved Filing No. 1 and No. 2 and that the property is undergoing a PUD Amendment for 240 single family residential homes, 3 industrial lots and associated landscaping.

Ellicott Utilities Company further recognizes that we have issued two prior commitments, one for Filing No. 1 and one for Filing No. 2 both attached hereto. *This commitment is intended to replace the prior two commitments and to further commit to provide water and wastewater service to the remaining 142 homes.*

Ellicott Utilities Company, LLC will provide water and sewer service to the Development in accordance with the Company Rules and Regulations. Ellicott Utilities Company, LLC understands that the Developer has committed to construct water and sewer facilities as required to serve the Development in accordance with the subdivision construction drawings, and the Developer has provided for dedication of necessary easements and rights of way for the water and sewer improvements through the subdivision plans and related plat documents.

The proposed development will be served by the Ellicott Utilities Company’s central water and sewer system. Ellicott Utilities Company, LLC hereby provides an unconditional commitment to serve this PUD amendment of 240 single family residential homes, 3 Industrial lots and associated landscaping within Mayberry, Colorado Springs. There is a projected water demand of 81.94 AFY.

This commitment is based on the following water sources owned and controlled by the Company:

- Determination No. 598-BD (Laramie Fox Hills Wells) 50.98 AFY
- A portion of the Tipton Well Water Interest 30.96 AFY



Ellicott Utilities Company, LLC commits to providing the water supply to meet the El Paso County 300-year water supply requirement for this subdivision.

Ellicott Utilities Company anticipates that this PUD Amendment for 240 homes and 3 industrial lots will generate 263.1 SFE of wastewater. This is equivalent to an average daily wastewater flow of 52,620 gallons. Under Permit No CO0047252, Ellicott Utilities Company has the capacity for 250,000 gallons per day. With the current flows and the addition of this PUD amendment the wastewater treatment plant will be operating at 45.88% capacity.

Ellicott Utilities Company commits to provide wastewater services to the Development.

ELLICOTT UTILITIES COMPANY, LLC

John Mick

John Mick (Jun 2, 2021 09:40 MDT)

Signature

John Mick

Jun 2, 2021

Name

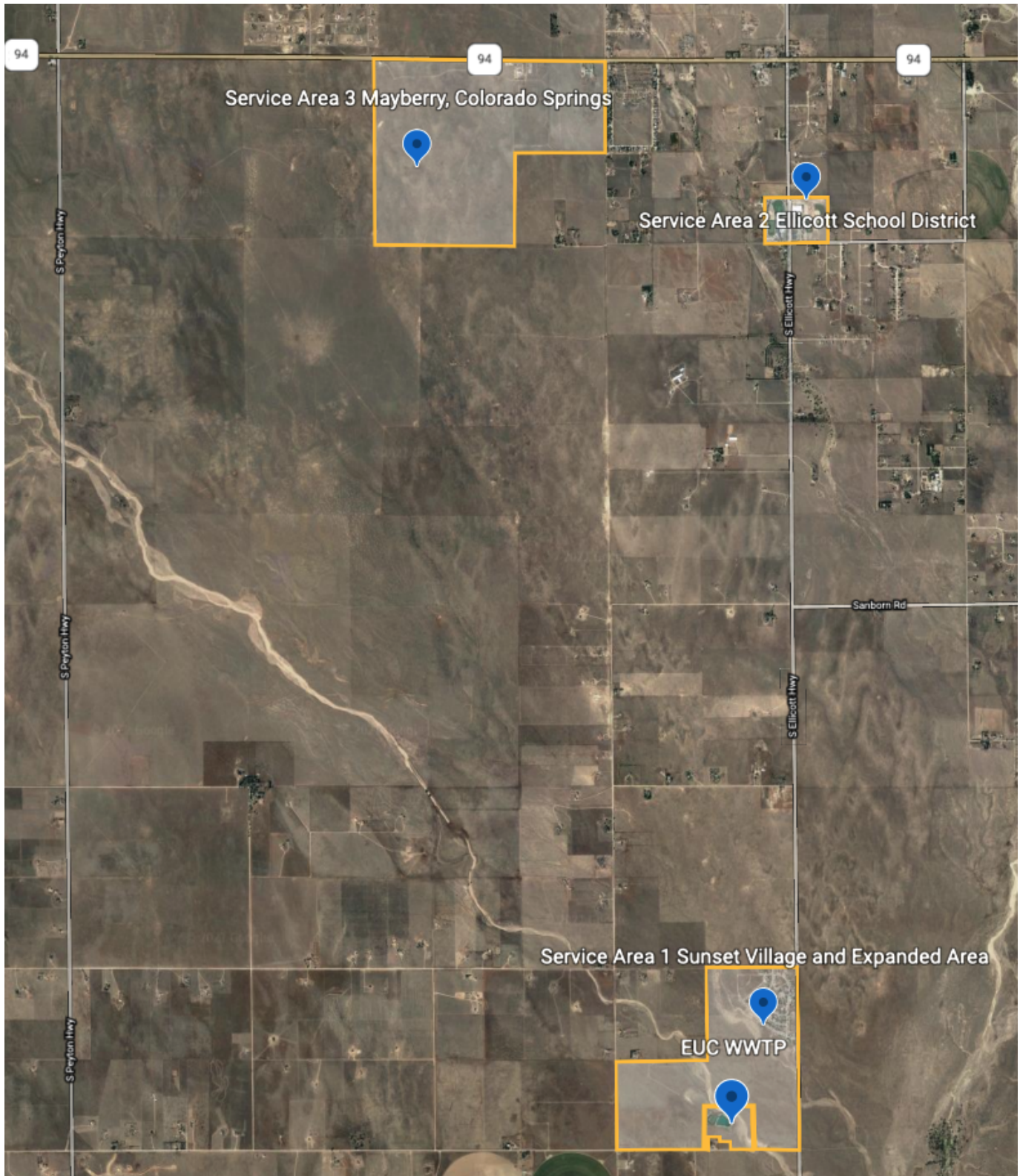
Date

APPENDIX B

WASTEWATER SERVICE AREA MAP



Wastewater Service Area Map



APPENDIX C

WASTEWATER TREATMENT PLANT INFORMATION

C.1 ADMINISTRATIVE EXTENSION ON WASTEATER TREATMENT PLANT

Dedicated to protecting and improving the health and environment of the people of Colorado

Jason Hope, Mgr
Ellicott Utilities Co LLC
PO Box 231961
Encinitas, CA 92023

TO: Ellicott Utilities Co LLC
FROM: WQCD Permits Section 303-692-3517
DATE: 8/7/2019
RE: WQCD CDPS Permit application for CO-Individual permit

The Water Quality Control Division received an application from Ellicott Utilities Co LLC CO-Individual permit renewal on 8/7/2019. The application requests discharge authorization for Ellicott Springs WWTF located at Drennan Rd Calhan Facility SIC 4911. The assigned permit number is CO0047252.

The application has been reviewed and is considered complete for the purposes of filing. The Division has not verified all of the information contained in your application and has relied upon your signed certification to determine that the information is true, accurate, and complete. No permit has been issued at this time. The Division has 180 days to issue the permit from the date received.

In the event that the Division does not issue a renewal permit in advance of the permit expiration date, the expired permit shall be administratively extended and continue in force to the effective date of the new permit. **This is official notice of your eligibility of administrative extension and the permit shall become administratively extended on the date following your permit expiration.** The permits duration may be extended only through administrative extensions and not through interim modifications.

The application will undergo a technical review once it is assigned to a permit writer. At that time the Division will contact you to inform you that permit renewal process has started and may request additional information in order to further evaluate the technical information included in your application and evaluate the discharge.

Based on the locational information provided in your application we have determined that your discharge would be to Segment: **COARMA04c**. This discharge designation is solely for permit tracking and work planning purposes. The Division may evaluate other waterbody segments, particularly downstream segment(s), as part of the permit development process.

If any of the information submitted in your application is no longer true, accurate, and complete please submit an application supplement using the form found on the Division's web site.

We have the following contacts on file, if any of this information changes from the date your application was submitted until we issue your permit, please send a revised application/change of contacts form

Permittee Contact the person authorized to sign and certify the permit application. This person receives all permit correspondences *[Including invoice; is contacted for any questions relating to the facility; and receives DMRs as appropriate]* and is the person responsible for ensuring compliance with the permit

Jason Hope, Mgr
Ellicott Utilities Co LLC
PO Box 231961
Encinitas, CA 92023
Phone number: 619-876-6990
Email: jason@foleydevelopment.net

Facility Contact *(contacted for general inquiries regarding the facility):*

Richard Cromwell, Operator 13627
Cromwell's Excavating Inc
18353 State Hwy 94
Colorado Springs, CO 80930
Phone number: 719-499-9993
Email: treistump@yahoo.com

Billing Contact *(receives the invoice pertaining to the permit certification):*

Jason Hope, Mgr
Ellicott Utilities Co LLC
PO Box 231961
Encinitas, CA 92023
Phone number: 619-876-6990
Email: jason@foleydevelopment.net

DMR Contact:

Richard Cromwell, Operator 13627
Cromwell's Excavating Inc
18353 State Hwy 94
Colorado Springs, CO 80930
Phone number: 719-499-9993
Email: treistump@yahoo.com

If you have any questions, feel free to contact the Permits Section and refer to the permit number C00047252. We have detailed email and telephone contact information available on the Division website at the "[Division Contacts](#)". You may also contact us by calling the permits line at 303-692-3517.

jason@foleydevelopment.net

treistump@yahoo.com

jason@foleydevelopment.net

treistump@yahoo.com

C.2 2021 COMPLIANCE INSPECTION DOCUMENTS



COLORADO
**Department of Public
Health & Environment**

March 23, 2021

Jason Hope
Ellicott Utilities Company LLC
PO Box 231961
Encinitas, CA 92023

Subject: Compliance Inspection of Domestic Wastewater Treatment Facility
Colorado Discharge Permit Systems (CDPS) No. CO0047252, Ellicott Springs WWTF
El Paso County

Dear Mr. Jason Hope:

This letter serves to report the findings of the compliance inspection conducted by the Field Services Section of the Water Quality Control Division (the division) on the above referenced facility on February 16, 2021. The assistance that was provided was very helpful and is greatly appreciated. Table 1 identifies the parties present during the compliance inspection.

Table 1: Parties Present

| Name | Organization |
|--------------------------------|--|
| Phillip Cromwell, Matt Kalkman | Ellicott Utilities Company LLC |
| Brad Simons | MMI Water Engineers |
| Jason Kvols, John Mick | Mayberry Communities |
| Tammy Bruning, Cameron Wilkins | Colorado Department of Public Health and Environment |

Table 2 summarizes the number of findings and the required written response dates.

Table 2: Compliance Inspection Findings

| Severity Category | Number Identified | Response Due (within 30 days of letter date) |
|--------------------------------|-------------------|---|
| Major Findings | 2 | April 22, 2021 |
| Other Findings | 0 | No Response Required |
| Observations / Recommendations | 1 | No Response Required |

Major Findings

These items require action by the permittee and will be followed up by the division. Please provide a written response addressing the major findings listed below, which are potential violations, by April 22, 2021. The response must outline the course of action that will be taken and the date by which you propose to bring the facility into compliance with the CDPS permit, Colorado Revised Statutes and/or the associated regulations. Failure to respond within the required time frame may result in formal enforcement action.

1. C0014-1 - Monitoring Violations - Invalid/Unrepresentative Sample. Sample collection, preservation, or handling procedures not adequate for representative sample or results, or information not reasonably available for inspection.



Part 1.A.3 CDPS No. CO0047252 requires composite samples for monitoring BOD5 and Total Suspended Solids in influent. Part 1.B.4 requires composite samples to be a minimum of four (4) grab samples collected at equally spaced two (2) hour intervals and proportioned according to flow. At the time of the inspection, the permittee was collecting composite samples but did not proportion according to flow. Prior to issuance of this letter, the Permittee had sent the inspector documentation of a composite sample that was flow proportioned over a 6 1/2 hour period with sample aliquots grabbed randomly during that time period. The permittee must develop a method that will allow for proportioning influent sampling aliquots to be based on constant time intervals between samples and sample volumes proportional to flow at time of sampling. Please provide to the division documentation that an adequate method for flow proportioned composites has been implemented.

Please note the division has developed a DMR Guidance document as a condensed, but thorough tool for operators regarding how to complete DMRs. This document includes information regarding composite sampling/flow proportioned sample calculations. The DMR Guidance document is located on the internet at the CDPHE-WQCD website: <https://cdphe.colorado.gov/water-quality-regulations-policies-and-guidance>.

2. B0020-1 - Management Practice Violations - Improper Operation and Maintenance. Equipment is not properly sized, operated, calibrated, or maintained and/or the information is not reasonably available for inspection.

Part 1.D.7 of CDPS No. CO0047252 requires the permittee to be able to show proof of the accuracy of any flow measuring device. At the time of the inspection, the records were in a locked building and the keys were unavailable. Per an email sent February 26, 2021, the permittee indicated the flow measuring device was calibrated once or twice a year utilizing a yard stick and two employees. The February 26, 2021 email did not show proof that the comparison was made between the primary and secondary flow measurement devices (i.e., flume depth and chart value compared to flow meter readings) at the influent compliance point. The permittee must be able to show proof of accuracy of any flow measuring device. The permittee must either: 1) calibrate the secondary flow indicator using a vendor or 2) the permittee can perform and record regular (e.g., monthly) flow rate checks using weir OR flume tables and staff gauge depth readings to check the secondary flow indicators (i.e., flow meter readings) to determine if the meter is drifting (i.e., +/-10% agreement needed). If vendor calibration is selected, the calibration should be conducted at least annually using the manufacturer's procedures and calibration records should be retained at the facility. If regular comparison of the primary and secondary flow device is selected, the permittee should incorporate these monthly checks into the standard operating procedures and retain records at the facility. Please provide to the division documentation that the flow measuring device is providing accurate flow data and a program for maintaining flow device accuracy has been implemented.

Other Findings

The division expects the permittee to correct the following other findings, which are potential violations, as soon as practical and return the facility to compliance with the CDPS permit, Colorado Revised Statutes and/or the associated regulations.

No other findings were identified.

Observations/Recommendations

While the division will not directly follow-up on the observations/recommendations listed below, it is highly recommended that the permittee address them. The following observations/recommendations were identified:

1. At the time of the inspection, the division discussed the integrity of the lagoon liners and the seepage evaluation performed by GMS, Inc. in 2016. The permittee explained future plans are to be joined into May Berry Colorado Springs Metropolitan District which is to be developed just west of the Town of Ellicott. The wastewater system problems are anticipated to be addressed during this transition, which is forecasted to begin the planning stages in approximately 6 to 9 months. The division recommends the permittee continue to provide status updates to Aly Ulibarri with permit compliance enforcement at aly.ulibarri@state.co.us or 303-692-3163.

Reminders

- Sanitary sewer overflows and any other spills that may impact state waters are required by law to be reported in accordance with the division's *Guidance for Reporting Spills under the Colorado Water Quality Control Act and Colorado Discharge Permits*, which is available on the division's website at <https://cdphe.colorado.gov/water-quality>. The state 24-hour toll-free number for environmental release and incident reporting is 877-518-5608.
- Construction of interceptor sewers, lift stations and treatment plants, including modification/expansion of existing facilities, requires site location and design approval prior to commencement of construction. Please refer to the division's website at <https://cdphe.colorado.gov/water-quality> for information regarding these requirements.
- Most regulations, guidance documents and forms are available via the Internet on the division's website. Please link to <https://cdphe.colorado.gov/water-quality> for further information.
- In November 2018, the Water and Wastewater Facility Operators Certification Board updated and revised the criteria for facility classification in Regulation No. 100. These revisions are important because treatment and distribution/collection system classification establishes the minimum certification level for the operator in responsible charge (ORC). This may affect your facility's operator certification requirements. For existing facilities, the new criteria was applied March 1, 2021. More information is available at: <https://cdphe.colorado.gov/wq-facility-classification>.

We would appreciate any feedback that you provide so that we can improve. Please take a few moments to complete [this survey](#).

If you have any questions, please contact me by phone at (719) 295-5077 or via email at tammy.bruning@state.co.us. Thank you for your time and cooperation.

Sincerely,

Tammy Bruning

Digitally signed by Tammy
Bruning
Date: 2021.03.23 14:37:10 -06'00'

Tammy Bruning, Environmental Protection Specialist
Field Services Section
Water Quality Control Division
Colorado Department of Public Health and Environment

Encl. Inspection Report
SSO Evaluation Form
Biosolids Inspection Form

cc: El Paso County Health Department
Permit File, CDPS No. CO0047252
Tracking No. FS.21.INSP.01031

Jason Hope, CO
Richard Cromwell, ORC
Cameron Wilkins, PE, CDPHE-FSS, Unit Manager
Aly Ulibarri, CDPHE-CW Enforcement Unit
Tim Larson, WQCD Clean Water Compliance Unit



Water Compliance Inspection Report

Section A: National Data System Coding (i.e., ICIS)

Inspection Date: 2/16/2021 Inspector: State

Permit

| Inspected: | CDPS # | Inspection Type | Program | Facility Self-Monitoring Evaluation Rating |
|------------|-----------|-----------------------|--------------------------|--|
| Process | CO0047252 | Compliance Evaluation | NPDES Base Program | Unsatisfactory |
| Biosolids | CO0047252 | Compliance Evaluation | NPDES Sludge / Biosolids | Satisfactory |

Section B: Facility Data

Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number.)

| Name | Facility Loc | Entry Date | Permit Effective Date |
|-----------------------|--------------|------------|-----------------------|
| ELLICOTT SPRINGS WWTF | | 2/16/2021 | 9/1/2014 |

Address Drennan Rd

| City, State, Zip | CO | 80808 | Exit Date | Permit Expiration Date |
|------------------|----|-------|-----------|------------------------|
| El Paso County | | | 2/16/2021 | 8/31/2019 |

If industrial, POTW name & CDPS number:

| Time | Admin Continued |
|----------|-----------------|
| 12:30 PM | |

Name(s) of On-Site Representative(s) / Title / Phone / Email

| Name | Title | Company | Address | City, State, Zip | Phone | Email |
|------------------|-----------------------|--------------------------------|--------------------|----------------------------|--------------|---------------------|
| Phillip Cromwell | Operator | Ellicott Utilities Company LLC | 18353 State Hwy 94 | Colorado Springs, CO 80930 | 719-499-9993 | treistump@yahoo.com |
| Matt Kalkman | Backup Water Operator | Ellicott Utilities Company LLC | 18353 State Hwy 94 | Colorado Springs, CO 80930 | 719-499-9993 | mkalkman1@yahoo.com |

Processes Which Generate Wastewater:

Domestic Wastewater

Name / Contact info of Responsible Official

Name Jason Hope
Title Mgr
Company Ellicott Utilities Company LLC
Address PO Box 231961
City, State, Zip Encinitas, CA 92023
Phone 619-876-6990
Email jason@foleydevelopment.net

Treatment Process Description:

The system has two lift stations. Influent flows through a Parshall flume then through a grinder pump into a primary lagoon that continues into a secondary lagoon. After that there are two polishing ponds and currently the system does not discharge any effluent.

Permitted Features (bold italics indicate revised coordinates)

| Feature: | 300-I | 001-A | 0 | 0 | 0 |
|------------|-------------|-------------|----------|----------|----------|
| Lat (DD): | +38.754667 | +38.752861 | 0.000000 | 0.000000 | 0.000000 |
| Long (DD): | -104.395167 | -104.392778 | 0.000000 | 0.000000 | 0.000000 |

Section C: Areas Evaluated During Inspection (included in letter if unsatisfactory)

| Satisfactory | Permit | Marginal | Self-Monitoring Program | Not Applicable | Pollution Prevention |
|----------------|--|----------------|----------------------------|---|-------------------------|
| Satisfactory | Records / Reports | Unsatisfactory | Compliance Schedules | Not Applicable | Stormwater |
| Satisfactory | Facility Site Review | Not Evaluated | Laboratory | Not Applicable | Combined Sewer Overflow |
| Not Applicable | Effluent / Receiving Waters | Satisfactory | Operations & Maintenance | Satisfactory | Sanitary Sewer Overflow |
| Satisfactory | Flow Measurement | Not Applicable | Sludge Handling / Disposal | Not Applicable | MS4 |
| Satisfactory | Certified Operator in Responsible Charge | Not Applicable | Pretreatment | Inspection evaluated elements identified in EPA's NPDES Compliance Inspection Manual, US Environmental Protection Agency, Office of Enforcement and Compliance Assurance, EPA 305-X-04-001. | |

DMR Period Evaluated - Start: 9/30/2014 End: 10/31/2020

Section D: Summary of Findings / Comments (see inspection letter for details)

| Code | Description |
|---------|--|
| B0020-1 | Equipment is not properly sized, operated, calibrated, or maintained and/or the information is not reasonably available for inspection. |
| C0014-1 | Sample collection, preservation, or handling procedures not adequate for representative sample or results, or information not reasonably available for inspection. |

| Name of Inspector | Phone | Email | Agency | Office |
|-------------------|----------------|---------------------------|---------------------------------------|--------|
| Tammy Bruning | (719) 295-5077 | tammy.bruning@state.co.us | CDPHE, Water Quality Control Division | Pueblo |



**SANITARY SEWER OVERFLOW EVALUATION
DURING PAST 5 YEARS**

| | |
|---------------------|-----------------------|
| Entity Name: | ELLICOTT SPRINGS WWTF |
| Permit Number: | CO0047252 |
| Date of Inspection: | 2/16/2021 |

I. GENERAL INFORMATION

| | |
|---|-------|
| Size of service area (acres): | 120.0 |
| Feet (or miles) of sewer: | |
| Age of collection system (oldest part): | 1990 |
| Number of pump stations: | 2 |
| Number with back-up power supply: | 0 |
| Number with alarm systems: | 2 |
| Number with emergency storage: | 2 |

Comments:

| | |
|--|-----|
| Population of service area: | 300 |
| Number of Total Taps (domestic, commercial, industrial): | 101 |
| Number of Industrial Taps: | 0 |
| Satellite collection system name(s): | 0 |

II. SANITARY SEWER OVERFLOW EVALUATION

| Inspection observation verifying SSO events | Yes, No, N/A |
|--|--------------|
| 1. Sewer back-ups into basements? | No |
| 2. Pipe blockages, pinch points, or breaks? | No |
| 3. Bypasses from collection system (unpermitted outfalls, storm sewer connections, etc)? | No |
| 4. Manholes or other overflows during wet weather? | No |
| 5. Inflow/infiltration program in place? | No |
| 6. Line cleaning and inspection program in place? | No |

If yes to any of questions 1-4:

| | Yes, No, N/A |
|--|--------------|
| 7. Were SSO's reported to the State upon discovery (spill # 877-518-5608)? | N/A |
| 8. Was the public notified? | N/A |
| 9. Number of SSOs (last 5 years)? | 0 |
| 10. Quantity (volume) of any SSO? | N/A |

Comments:

| | |
|-------------------------------------|-----------|
| Line flushing program (frequency): | As needed |
| Line inspection program(frequency): | |
| SSO information: | |
| Status of response procedures: | |

BIOSOLIDS FACILITY INSPECTION FORM



COLORADO
Department of Public
Health & Environment

Biosolids Management Coordinator
Phone (303) 691-4091
E-mail: tim.larson@state.co.us

Water Quality Control Division
4300 Cherry Creek Drive South
Denver, CO 80246-1530
<http://www.colorado.gov/CDPHE/WQCD>

GENERAL FACILITY INFORMATION

| | | | |
|-------------------------|----------------------------|--|-----|
| Date: | 2/16/2021 | Method of Solids Disposal: | |
| Inspector : | Tammy Bruning | Beneficial Use (Land Application) (Identify Amounts) | |
| | | Agricultural Land (%) | N/A |
| Facility Name: | ELLCOTT SPRINGS WWTF | Contractor: | |
| Contractor: | N/A | Frequency: (Daily, Weekly, Monthly) | N/A |
| CDPS Discharge Permit # | CO0047252 | Public Distribution (%): | N/A |
| Facility Contact : | Jason Hope | Other (method, %): | N/A |
| | | (e.g., composting) | |
| Title: | Mgr Surface Disposal CD# | | |
| Phone: | 619-876-6990 | Landfill Name: | |
| E-mail: | jason@foleydevelopment.net | Transferred to Other Facility: | |
| | | Other: | |
| | | Solids storage capacity (days): | |

RECORDKEEPING AND REPORTING INFORMATION

| | |
|--|--|
| | Are records available for beneficial use or disposal practices for the past 5 years? |
| | Are Pathogen Reduction, Vector Attraction Reduction and Metals records available for the past 5 years? |
| | Are field application records and soil analysis records available for the past 5 years? |
| | Is a list of current biosolids application sites and locations available at the facility? |

PATHOGEN DESTRUCTION INFORMATION

| | | | | |
|----------|--|---------------------------|-------------------|--|
| Testing: | (identify method) | | Lab Name: | |
| | Fecal Coliform | MPN or CFU (Identify One) | Sample Frequency: | |
| | Salmonella | | | |
| | EV/VHO | | | |
| | Sampling Location (complete description or attach WWTP schematic): | | | |
| | Time/Temperature - Batch Continuous (Identify) | | | |
| | Where are Temperature Readings Obtained: | | | |

VECTOR ATTRACTION REDUCTION INFORMATION

| | |
|--|--|
| Are Vector Attraction Reduction Requirements met at the facility? | |
| Method: | |
| (If not and going to beneficial use, must be met during land application.) | |
| <u>For Volatile Solids Reduction (VSR):</u> | |
| Sample Locations (VSR): | |
| In: | |
| Out: | |
| Show Equation used: | |

GENERAL NOTES

Have never removed solids



STATE OF
COLORADO

Bruning - CDPHE, Tammy <tammy.bruning@state.co.us>

compliance inspection response co0047252

1 message

Cromwell,s Excavation Inc. <treistump@yahoo.com>

Wed, Mar 31, 2021 at 10:51 AM

To: Tammy Bruning - CDPHE <tammy.bruning@state.co.us>, jason <jason@foleydevelopment.net>, Jason Kvols <jasonkvols@mayberrycoloradosprings.com>, Matt Kalkman <mkalkman1@yahoo.com>

Tammy,

Attached is the composite sampling data sheet that will be used for monthly b.o.d and t.s.s. for Ellicott Utilities Co0047252. Any question please call Richard at 719.499.9993 thank you.



composite sampling to state.pdf

771K

1C0014-1

Flow data From 8/11/19

Sample Sheet ONLY
3/25/21

| compos | time of | flow meter total | z flow Gal | gra | sample % ratio | sample volume ml | composite volume ml |
|--|---------|------------------|------------|-----|----------------|-------------------|---------------------|
| 0 | 4AM | 43884 | | | | | |
| 1 | | | 2293 | | | | |
| 2 | 8AM | 66177 | | x | 0.186 | 1000 x2 | 372 / 186 |
| 3 | | | 1720 | | | | |
| 4 | 12 | 70407 | | x | 0.343 | 1000 x2 | 686 / 343 |
| 5 | | | 2495 | | | | |
| 6 | 16 | 72902 | | x | 0.202 | 1000 x2 | 404 / 202 |
| 7 | | | 3327 | | | | |
| 8 | 20 | 76229 | | x | 0.269 | 1000 x2 | 538 / 269 |
| | | Z total Gals | 12345 | | | total ml = 1000x2 | total ml=2000 |
| Ellicott Utilities composite sampling data. (Z~ total Z= sample ratio%) (sample vol x ratio= comp vol.ml) | | | | | | | |

2) - B0020-1

TDMA to install new meter, will calibrate
new meter AT That time, per head signing P.



June 23, 2021

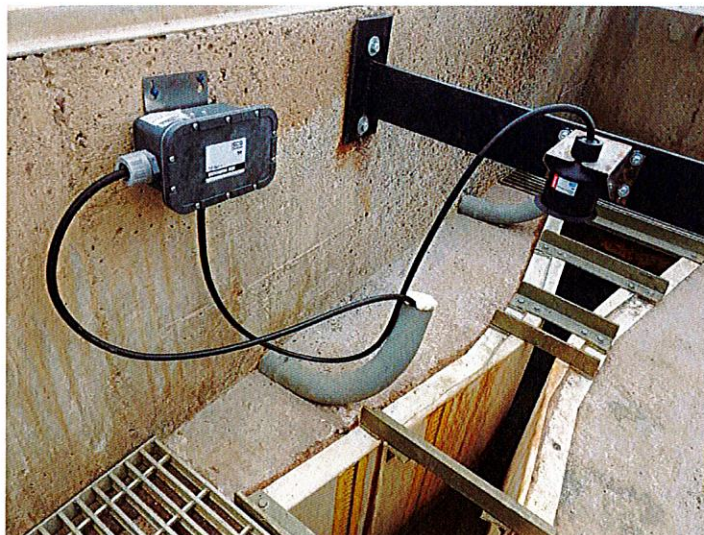
Ms. Tammy Bruning, Environmental Protection Specialist
Colorado Department of Public Health and Environment
Water Quality Control Division
Field Services Section
140 Central Main, Suite 300
Pueblo, Colorado 81003
(via e-mail: tammy.bruning@state.co.us)

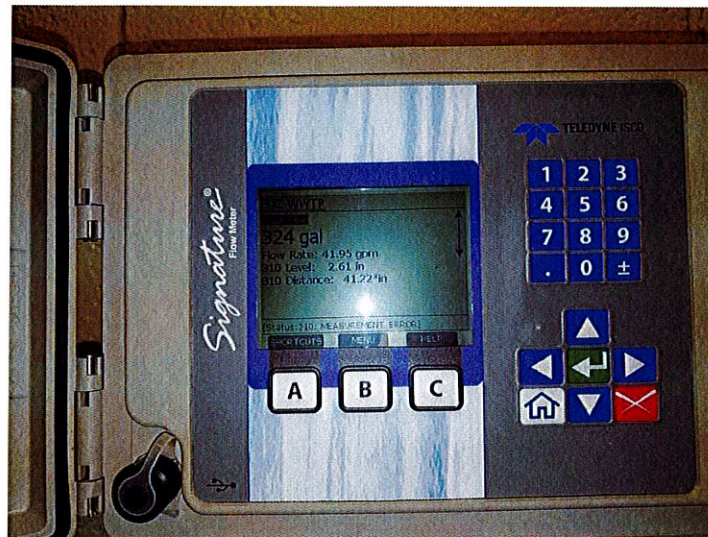
Re: Compliance Inspection Response – CDPS Permit No. CO0047252

Dear Ms. Bruning:

In response to the “Management Practice Violations – Improper Operation and Maintenance” referenced in your March 23, 2021, compliance inspection report, Ellicott Utilities Company LLC has replaced the influent flow meter system. The new equipment was installed on June 16, 2021. A representative of EUC’s contract operations company was present during the installation and observed the calibration activities.

Below are photographs of the newly installed equipment.





Attached are calibration records for June 16 and June 23, 2021. EUC's contract operations company will perform and record flow rate verifications monthly to determine if the meter is operating within the allowable accuracy (i.e. +/-10%). The monthly comparison process will be incorporated into updated standard operating procedures by the operations company and the records will be retained at the wastewater treatment facility.

Should you have any comments or questions, please contact me at 720-234-8398.

Sincerely,

MMI WATER ENGINEERS, LLC

Bradley A. Simons, P.E.
Principal

Att: June 16, 2021 calibration record
June 23, 2021 calibration record

cc: Jason Hope, Ellicott Utilities Company, LLC
Jason Kvols, Mayberry Communities
Richard Cromwell, ORC
Cameron Wilkins, CDPHE-WQCD

| | | | | |
|--|--------------|--------|--|-------|
| | | | | |
| Ellicott Springs WWTF | | | | |
| CDPS Permit No. CO0047252 | | | | |
| Influent Flow Meter Calibration Record | | | | |
| | | | | |
| Operator | Matt Kalkman | | | |
| Date | 16-Jun-21 | | | |
| Time | unknown | | | |
| Flow Rate Reading | 41.95 | gpm | | |
| 310 Level Reading | 2.61 | inches | | |
| | | | | |
| | Feet | Inches | | GPM |
| 3-inch Flume Table Level | 0.21 | 2.52 | | 39.63 |
| Staff Gauge Level | 0.215 | 2.58 | | 41.10 |
| Staff Gauge Level | | 2.61 | | 41.84 |
| 3-inch Flume Table Level | 0.22 | 2.64 | | 42.59 |
| Accuracy Differential | | | | 2% |
| | | | | |
| These cells require data input by operator | | | | |
| | | | | |

| | | | | |
|--|--------------|--------|--|-------|
| | | | | |
| Ellicott Springs WWTF | | | | |
| CDPS Permit No. CO0047252 | | | | |
| Influent Flow Meter Calibration Record | | | | |
| | | | | |
| Operator | Matt Kalkman | | | |
| Date | 23-Jun-21 | | | |
| Time | 7:55 a.m. | | | |
| Flow Rate Reading | 39.72 | gpm | | |
| 310 Level Reading | 2.52 | inches | | |
| | | | | |
| | Feet | Inches | | GPM |
| 3-inch Flume Table Level | 0.21 | 2.52 | | 39.63 |
| Staff Gauge Level | 0.208 | 2.5 | | 39.14 |
| Staff Gauge Level | | 2.52 | | 39.63 |
| 3-inch Flume Table Level | 0.22 | 2.64 | | 42.59 |
| Accuracy Differential | | | | 1% |
| | | | | |
| These cells require data input by operator | | | | |
| | | | | |

EUC - WQCD Compliance Inspection (Flow Meter)

Bruning - CDPHE, Tammy <tammy.bruning@state.co.us>

25 June 2021 at 09:00

To: Brad Simons <bradley.a.simons@gmail.com>

Cc: Jason Hope <jason@foleydevelopment.net>, Jason Kvols <jasonkvols@mayberrycoloradosprings.com>, "Cromwell,s Excavation Inc." <treistump@yahoo.com>, Cameron Wilkins - CDPHE <CAMERON.WILKINS@state.co.us>, Matt Kalkman <mkalkman1@yahoo.com>

Brad,

Thank you for your submittal. This will complete all of the items on the corrective action plan.

Tammy

[Quoted text hidden]

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Tammy Bruning
Environmental Protection Specialist
Water Quality Control Division



COLORADO
 Department of Public
 Health & Environment

P 719-295-5077 | F 719-543-8441

140 Central Main, Suite 300, Pueblo, CO., 81003

<https://cdphe.colorado.gov/water-quality>

24-hr Environmental Release / Incident Report Line : 1-877-518-5608

