April 14, 2025

Ryan Howser
El Paso County – Planning and Community Development Department
2880 International Circle, Suite 110
Colorado Springs, CO 80910

Dear Mr. Howser:

RE: 11-Lot Development for property at 23218 Highway 94, Calhan, CO 80808
El Paso County Parcel #3412000026
Finding of Sufficient Water Quality According to Section 8.4.7.B.10)(a) of the Amended El Paso County Land Development Code (LDC-19-007)

FINDING OF SUFFICIENT WATER QUALITY

Michael Butler is a private land owner interested in subdividing 60-acres located at 23218 Highway 94 in Calhan, CO. GWH, LLC is currently listed as the owner of 23218 Highway 94, Calhan, CO, 80808 (EPC Receipt No. 3412000026). Mr. Butler is currently looking to subdivide the property into eleven (11) lots through the El Paso County Land Development and Planning process. As part of the subdivision process Mr. Butler's water resources attorney is preparing a water resources report to support sufficient water quantity over a 300-year evaluation period. The water resources report (see Attachment 1) will determine if there is sufficient quantity according to Section 8.4.7.B.10)(a) of the Amended El Paso County Land Development Code. Mr. Butler has tasked RESPEC Company, LLC with completing the water quality sufficiency report. This includes sampling and testing the source water according to the aforementioned section of the Code and providing an engineering opinion of the analysis.

Section 8.4.7.B.10)(a) in the Amended El Paso County Land Development Code (EPC-LDC) requires that the applicant obtain analyses results for twenty-one (21) Volatile Organic Chemical (VOC) Contaminants, twenty-nine (29) Synthetic Organic Chemical Contaminants (SOC), fourteen (14) Inorganic Chemicals, ten (10) Secondary Maximum Contaminants, indicators of bacteriological pathogens (i.e. E. coli), inorganic anions, and two (2) radionuclides. According to the Water Resources Report drafted for Kristen Estates by the office of Monson, Cummins, Shohet, & Farr, LLC the proposed ten (10) lot subdivision will be served water from the nontributary Laramie-Fox Hills formation. Therefore, according to paragraph two (2) from Section 8.4.7.B.10)(a) VOCs and SOCs are not required as part of the stipulated chemical analysis.

On October 12, 2023, representatives with the property (including contract operator SEMACOR) sampled a representative well drilled into the Laramie Fox-Hills formation. The representative Laramie Fox-Hills well that was sampled in 2023 is located directly south-east of the proposed development at address 22 South Ellicott Highway, Calhan, CO 80808 under Permit No. 327194-F (also known as the Nancy well, see attached Attachment 2). The location of the representative well is located approximately 0.19 miles from the southeast corner of the proposed subdivision (see Attachment 3), which is well within the required 0.5 miles from the subject property in order to serve as a representative water source according to the EPC-LDC. As mentioned above, representative aquifer water samples for the well were taken on the 12th of October and hand delivered to Colorado Analytical Laboratories to meet

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SUITE 500
ANCHORAGE, AK 99503
907.743.3200

specified holding times for certain constituents. Results were made available on November 29, 2023, while. A second sampling visit to the Nancy Well was conducted on February 28, 2025 as it was discovered that not all constituents were sampled for in October 2023. These constituents included Total Coliform, Sulfate, Cyanide-Total, Iron, Aluminum, Manganese, Silver, and Zinc. Most of these results were available on March 7, 2025. Both sets of results were tabulated and compared vs. primary and secondary Maximum Contaminant Limits as established by the Colorado Department of Public Health and Environment's (CDPHE) latest drinking water standards. A summary and evaluation of the water quality results from the Nancy Well is included in Attachment 4. This includes copies of all water quality results as returned from the laboratory. From the evaluation, the well was found to show exceedances in the following areas:

- **Langoliers Index**: The documented Langoliers in shown in Attachment 4 is shown to have a relatively low Langelier Index (LI) of 0.22. A Langoliers index below -0.5 can be considered corrosive. So while the LI result of 0.22 is not below -0.5, it is still considered low and should be observed after one of the residences is provided water via the new well.
- **Aluminum**: Testing result from February 28, 2025 sampling trip yielded a result of 0.218 mg/L, which is above the state of Colorado's MCL of 0.05 mg/L. Aluminum can be a considered a naturally occurring contaminant and is considered dangerous to human health. Prolonged exposure to aluminum in drinking water can be related to certain neurological conditions, such as Alzheimer's disease, or certain physical conditions such as impaired kidney function. A direct link between elevated presence of aluminum and these physical ailments has not been confirmed, but there has been some documented evidence identifying some possible links.
- **Iron**: test results indicate that the iron measured in the February 28, 2025 sampling effort was measured at 1.96 mg/L, which is above the secondary MCL of 0.3 mg/L. Iron is also a naturally occurring contaminant that is not considered a direct threat to human health. However, Iron is considered a secondary, or aesthetic, contaminant by CDPHE and can be considered a nuisance in general domestic household usage. Excessive iron contained in drinking water can stain laundry, copper piping, and dishes if not property removed.
- **pH**: was measure to be 9.07. Where there is no MCL for pH levels in drinking water, it can be an indicator if water is more acidic (corrosive) or basic (hard). In the case of the Nancy Well water, a pH of 9.07 indicates a basic water type, which can be indicative of naturally hard water. While there is no primary or secondary MCL for pH by CDPHE, prolonged exposure to hard water can increase the risk of kidney stones, be related to digestive issues (such as constipation or bloating), be related to nervous system problems such as fatigue and headaches, or promote dry skin and dry hair.
- **Sulfate**: the sampling suite obtained on February 28, 2025 was found to contain 259 mg/L. This is slightly above the secondary MCL of 250 mg/L. While this constituent is considered an aesthetic contaminant by CDPHE and is not currently regulated, it can cause impacts to human health, especially infants, resulting in diarrhea. At the depths in which sulfate is encountered within the Laramie Fox-Hills formation, it is more likely that the source of sulfate is from the rocks and soils encountered in this formation than from human influenced sources such as fossil fuels or fertilizers.

Generally, the LFH formation has a reputation for not providing the cleanest or purest raw water from its aquifer, especially compared to the other Denver Basin formations (i.e. Dawson, Denver, and Arapahoe). Therefore, the results presented above are not surprising. That being said, there are household treatment alternatives available for homeowners to remove the above-mentioned contaminants. Note that all alternatives should be whole-house treatment alternatives and point-of-use treatment is not recommended in this case. These treatment alternatives are presented below:

1) Chlorinate raw water as it enters basement and then provide cloth filtration to remove iron and aluminum. After filtration provide either anion exchange or reverse osmosis unit to remove sulfate. Note that this alternative, while cheaper, may not directly address the hardness issue.

2) Provide cation exchange (water softener) to remove hardness, iron, aluminum as raw water enters the basement. The water can then be followed by either anion exchange or reverse osmosis to remove sulfate.
3) Provide one reverse osmosis unit to remove all constituents from the water. It may be necessary to provide additional water softening to remove hardness with this alternative.

Please note that a Culligan representative can provide final treatment alternatives for each individual household unt.

After reviewing the analytical results, RESPEC Company, LLC does not find cause for concern in utilizing the underlying Laramie Fox-Hills Aquifer for public consumption or irrigation uses within the proposed subdivision. However, RESPEC only makes this recommendation if each household is equipped with whole house water treatment as described above to remove the contaminants identified in the water quality analysis. The above opinions are RESPEC's recommendations for additional treatment within the proposed residences to bring the source water into compliance with established Colorado Drinking Water Standards.

Should the El Paso County Planning and Development Department have any additional comments, questions, or concerns please do not hesitate to contact Douglas E. Schwenke, P.E. with RESPEC Company, LLC at 719-402-2009 Ext. 1446 or at Douglas.schwenke@respec.com.

Sincerely,

Douglas Schwenke

Douglas E. Schwenke
Technical Manager

BLE
Enclosure: Attachment 1 – Water Resources Report for Kristen Subdivision by of Monson, Cummins, Shohet, & Farr, LLC
Attachment 2 – Nancy Well Parmit (Permit No. 327194)
Attachment 3 – Well Proximity Exhibit
Attachment 4 – Tabulated and Raw Water Quality Results

cc: Project Central File: \W0265.24075.002 — Category: External Letter

Attachment 1 - Water Resources Report

KRISTEN ESTATES SUBDIVISION

WATER RESOURCES REPORT

For Kristen Estates Subdivision

February 12, 2025

Prepared By:

MONSON, CUMMINS, SHOHET & FARR, LLC
WWW.COWATERLAW.COM

13511 Northgate Estates Dr., Ste. 250, Colorado Springs, Colorado 80921

Executive Summary:

Water Resources Report – Kristen Estates Subdivision

W. James Tilton and Chris D. Cummins of Monson, Cummins, Shohet & Farr, LLC, on behalf of the Applicant, GWH, LLC, a Colorado limited liability company, ("Owner"), provide the following Water Resources/Wastewater Disposal Report in support of the Kristen Estates Subdivision. The attorneys at Monson, Cummins, Shohet & Farr, LLC ("MCSF") have extensive experience in water related matters, with Mr. Cummins having practiced water law almost exclusively for over 20 years. MCSF has substantial experience with Denver Basin groundwater resources, augmentation plans, designated basin replacement plans, subdivision proceedings, and rural water usage. Given his experience Mr. Cummins should be considered a "qualified professional" as concerns water resources, as discussed at Section 8.4.7(B)(1)(c) of the El Paso County Land Development Code. This Report, prepared in conjunction with other professionals, is intended to demonstrate to the El Paso County Planning Commission and the Board of County Commissioners the sufficiency in terms of quantity and dependability, of the water rights and resources to be utilized in the proposed Kristen Estates Subdivision (the "Subdivision"), in El Paso County, Colorado.

The Property consists of approximately 60 acres located at the current street address of 23218 Highway 94, Colorado Springs, CO 80918 located in the E½ NW¼ SW¼ and the NE¼ SW¼ of Section 12, Township 14 South, Range 63 West of the 6th P.M., County of El Paso, State of Colorado. The eleven residential lots in the Subdivision are to be provided water and sewer/septic services through on-site individual wells and Individual Septic Disposal Systems ("ISDS"). The proposed subdivision includes eleven residential lots. Lots 4 and 5 each have an existing residence, and both of these residences share a well to the Arapahoe aquifer. This well will be abandoned, with each Lot drilling a well to the Laramie-Fox Hills aquifer. As shown on **Exhibit A**, each Lot will be approximately 5 acres in size, with Lots ranging from 5.04 to 5.47 acres in size.

It is expected that each of the homes on each residential lot in the Subdivision will require an average of 0.26 annual acre-feet of water supply, for a total of 2.86 annual acre-feet for in-house uses with an additional 0.243 for use on each of the lots for a total of 5.53 acre-feet for all eleven lots annually, to be provided through eleven individual wells to the nontributary Laramie-Fox Hills aquifer, consistent with the Findings and Order in Determination No. 4550-BD, as issued by the Colorado Ground Water Commission, on August 9, 2023 ("Basin Determination"). The Basin Determination includes findings of a 300-year water supply for the residential lots within the Subdivision, with each residential lot utilizing ISDS of a non-evaporative nature.

The water resources to be utilized on the residential lots in the Subdivision are typical of rural residential development in the Black Forest in El Paso County, Colorado. The Basin Determination's Findings and Order demonstrate a sufficient quantity and reliability of water to support compliance with El Paso County's 300-year water supply

rules for subdivisions of this nature.

I. INTRODUCTION

The purpose of this report is to provide a preliminary outline of the water resources, and associated wastewater requirements, necessary for approval of the Kristen Estates Subdivision, as proposed.

1.1 New Development Description: The Subdivision consists of approximately 60 acres at 23218 Highway 94, Colorado Springs, CO 80918 located in the E½ NW¼ SW¼ and the NE¼ SW¼ of Section 12, Township 14 South, Range 63 West of the 6th P.M., County of El Paso, State of Colorado. The Property will be subdivided into eleven lots. **Exhibit A**, attached hereto, depicts a proposed lot layout for the Subdivision, including an area/vicinity map.

II. PROJECTION OF WATER NEEDS

2.1 Analysis of Water Demands: It is expected that the eleven residential lots in the Subdivision will utilize eleven individual wells drilled to the Laramie-Fox Hills aquifer to be used for domestic-type uses, including in-house, landscape/irrigation of lawn and garden, and watering of domestic animals and livestock, as well as fire protection and replacement purposes, either directly or after temporary storage in a cistern. An existing well with Permit No. 235712 will be abandoned and plugged. It is anticipated that each of the lots will utilize a maximum total of 0.503 acre-feet of water, with 0.26 acre-feet to be used in-house, consistent with Section 8.4.7(B)(7)(d) of El Paso County, Colorado Land Development Code, and the remaining amount of 0.243 acre-feet per lot will be allocated for other approved uses under the Basin Determination.

All wells will produce from the nontributary Laramie-Fox Hills aquifer at a flow rate of 10 to 15 gallons per minute, based upon past production of nearby wells. Based on past experience with the numerous Laramie-Fox Hills aquifer wells serving rural residential properties throughout El Paso County, this rate of production should be more than sufficient to meet demand for in-house use.

III. PROPOSED WATER RIGHTS AND FACILITIES

3.1 Water Rights: Basin Determinations for the Arapahoe and the Laramie-Fox Hills aquifers beneath the Subdivision were issued by the Colorado Ground Water Commission on August 9, 2023, Determination Nos. 4551-BD and 4550-BD, respectively. Basin Determination 4551-BD found that the Arapahoe aquifer at this location is not-nontributary. For any lot within the Subdivision to utilize the Arapahoe aquifer water the owner will first need to apply for a replacement plan pursuant to § 37-90-107.5, C.R.S., and Rule 5.6 of the Designated Basin Rules. The Arapahoe Aquifer Basin Determination is recorded at reception no. 225010098 of the El Paso County Clerk and Recorders, and the Laramie-Fox Hills Basin Determination is recorded at reception no. 225010097. The Laramie-Fox Hills aquifer beneath the Subdivision is nontributary in nature, so no replacement plan is necessary for its use. Copies of the recorded Basin Determinations are attached hereto as **Exhibits B and C**. The Basin Determinations vested the following

specific quantities of water:

AQUIFER	Saturated Thickness (ft)	Total Water Adjudicated (Acre Feet)	Annual Average Withdrawal – 300 Years (Acre Feet)[1]
Arapahoe (NNT)	40	308[2]	1.02
Laramie Fox Hills (NT)	185	1,660	5.53

All depletions are augmented in time, place, and amount through septic return flows during pumping. The available supplies will meet both legal and physical needs on a 300-year basis.

3.2 Source of Supply: Rural residential water supply demand will be met using eleven to-be-constructed nontributary Laramie-Fox Hills aquifer formation wells. Consistent with El Paso County Land Development Code Section 8.4.7(B)(3)(c)(v), a subdivision utilizing individual wells need not make a further showing as to source of supply.

3.3 Pumping Rates for Service: The Laramie-Fox Hills aquifer in the location of the Subdivision is generally known to produce approximately 10-15 gallons per minute, more than sufficient for single family residential and accessory uses. Such flow rates are typical of individual wells on subdivisions east of Colorado Springs, including for firefighting purposes.

IV. WASTEWATER AND WASTEWATER TREATMENT – While soils, geology and geotechnical analysis has been provided by other of Applicant's consultants, Applicant provides a summary of ISDS to be utilized herein, as relates to water usage and resulting return flows.

4.1 Septic/Wastewater Loads: Septic projections are based on similar Denver Basin residential uses on rural residential lots. Average daily wastewater loads are expected to be approximately 180 gallons per day per single-family residence. Maximum daily wastewater loads are expected to be roughly 210 gallons per day per single-family residence, assuming residential in-house use at the 0.26 acre-feet per year rate described in the El Paso County Land Development Code.

4.2 On-Site Wastewater Treatment Systems: The eleven residential lots within the Subdivision will be served by individual on-site wastewater treatment

[1] Both aquifer annual withdrawal figures represent not the 100-year aquifer life discussed at C.R.S. § 37-90-137(4), but rather a 300-year aquifer life consistent with provision of a 300-year water supply in compliance with El Paso County, Colorado land development code as applicable to the subdivision of Applicant's Property.

[2] This total amount includes a 100 acre-feet reduction for water withdrawn by the existing well under permit no. 235712. Should the well be plugged and abandoned this total would increase to 408 acre-feet.

systems. The on-site wastewater treatment systems will be constructed to the residential lots upon approval of the Subdivision. The site is suitable for on-site wastewater treatment system/ISDS based on historical use at this location with the existing Arapahoe aquifer well. All on-site wastewater treatment systems will be evaluated and installed according to El Paso County Guidelines and properly maintained to prevent contamination of surface and subsurface water resources.

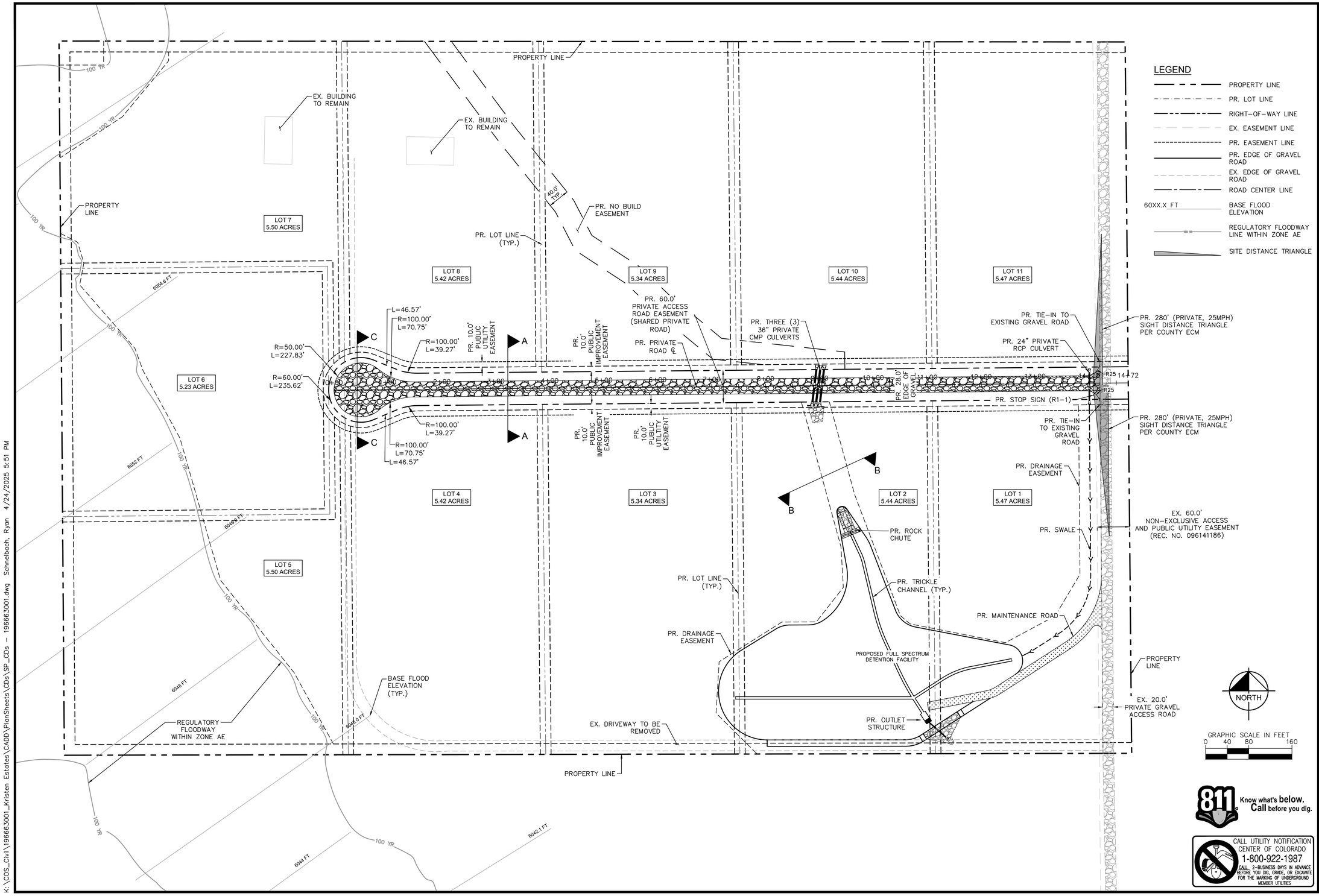
Respectfully submitted this 12th day of February, 2025.

MONSON, CUMMINS, SHOHET & FARR, LLC

/s/ W. James Tilton

W. James Tilton
Chris D. Cummins

Exhibits:
A – Location Map/Plat of Property
B – Basin Determination – Arapahoe Aquifer
C – Basin Determination – Laramie-Fox Hills Aquifer



LEGEND

- PROPERTY LINE
- PR. LOT LINE
- RIGHT-OF-WAY LINE
- EX. EASEMENT LINE
- PR. EASEMENT LINE
- PR. EDGE OF GRAVEL ROAD
- EX. EDGE OF GRAVEL ROAD
- ROAD CENTER LINE
- 60XX.X FT — BASE FLOOD ELEVATION
- REGULATORY FLOODWAY LINE WITHIN ZONE AE
- SITE DISTANCE TRIANGLE

NO.	REVISION	BY	DATE	APPR.

Kimley»Horn
2025 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: KRK
DRAWN BY: DPM
CHECKED BY: KRK
DATE: 04/18/2025

KRISTEN ESTATES
EL PASO COUNTY, COLORADO
CONSTRUCTION DOCUMENTS
SITE PLAN

PRELIMINARY
FOR REVIEW ONLY
NOT FOR CONSTRUCTION
Kimley»Horn
Kimley-Horn and Associates, Inc.

PROJECT NO.
196663001

SHEET
C1.2

811 Know what's below. Call before you dig.

CALL UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

225010098 2/5/2025 11:47 AM
PGS 8 $48.00 DF $0.00
Electronically Recorded Official Records El Paso County CO
Steve Schleiker, Clerk and Recorder
TD1000 N

Exhibit B

COLORADO GROUND WATER COMMISSION
FINDINGS AND ORDER

IN THE MATTER OF AN APPLICATION FOR A DETERMINATION OF A RIGHT TO AN ALLOCATION OF GROUNDWATER IN THE UPPER BLACK SQUIRREL CREEK DESIGNATED GROUNDWATER BASIN

DETERMINATION NO.: 4551-BD

AQUIFER: Arapahoe

APPLICANT: GWH Investments, LLC

In compliance with section 37-90-107(7), C.R.S., and the Designated Basin Rules, 2 CCR 410-1, GWH Investments, LLC (Applicant) submitted an application to the Colorado Ground Water Commission (Commission) for a determination of a right to an allocation of designated groundwater from the Arapahoe Aquifer.

FINDINGS

1. The application was received by the Commission on March 9, 2023.

2. The Applicant requests a determination of right to an allocation of designated groundwater (Determination) in the Arapahoe aquifer (Aquifer) underlying 60 acres, generally described as the E 1/2 of the NW 1/4 of the SW 1/4 and the NE 1/4 of the SW 1/4, Section 12, Township 14 South, Range 63 West, Sixth P.M., in El Paso County (Overlying Land). According to a Nontributary Groundwater Landownership Statement dated February 20, 2023, attached hereto as Exhibit A, the Applicant owns the 60 acres of land, which are further described in said Ownership Statement, and claims control of the right to the groundwater in the Aquifer underlying the land.

3. The Overlying Land is located within the boundaries of the Upper Black Squirrel Creek Designated Groundwater Basin and Upper Black Squirrel Creek Ground Water Management District. The Commission has jurisdiction over the designated groundwater that is the subject of this Determination.

4. The Commission's Staff has evaluated the application relying on the claims to control of the groundwater in the Aquifer underlying the Overlying Land made by the Applicant.

5. The Applicant intends to apply the groundwater in the Aquifer underlying the Overlying Land to the following beneficial uses: domestic, irrigation, domestic animal and livestock watering, fire protection and replacement purposes; either directly or after temporary storage in a cistern. The Applicant's proposed place of use of the groundwater in the Aquifer underlying the Overlying Land is the above described 60 acres of Overlying Land.

6. Pursuant to section 37-90-107(7)(a), and in accordance with the Designated Basin Rules, the Commission shall allocate the groundwater in the Aquifer underlying the Overlying Land on the basis of the ownership of the Overlying Land.

7. The amount of water in storage in the Aquifer underlying the 60 acres of Overlying Land claimed by the Applicant is 408 acre-feet. This determination was based on the following as specified in the Designated Basin Rules.

a. The average specific yield of those saturated aquifer materials containing sufficient water that can be drained by gravity and placed to beneficial use is 17 percent.

b. The average thickness of those saturated aquifer materials containing sufficient water that can be drained by gravity and placed to beneficial use is 40 feet.

8. A review of the records in the Office of the State Engineer has disclosed that a well operating pursuant to section 37-90-105, C.R.S., (i.e. a small-capacity well), permit no. 235712, is located on the Overlying Land and is permitted to withdraw 1 acre-feet per year of groundwater from the Aquifer from beneath the Overlying Land. The amount of water considered to have been historically withdrawn from the aquifer by this well is 100 acre-feet. In applying Rule 5.3.2.5 of the Designated Basin Rules to computing the amount of water available for allocation in this Determination, the amount of groundwater in the Aquifer underlying the Overlying Land available for allocation in this Determination is reduced by 100 acre-feet to 308 acre-feet. Except for that well, review of the records in the Office of the State Engineer finds no other previous allocations or permitted withdrawals from the Aquifer underlying the Overlying Land.

9. Pursuant to section 37-90-107(7)(c)(III), an approved determination of a right to an allocation shall be considered a final determination of the amount of groundwater so determined; except that the Commission shall retain jurisdiction for subsequent adjustment of such amount to conform to the actual local aquifer characteristics from adequate information obtained from well drilling or test holes.

10. Pursuant to section 37-90-107(7)(d), the Commission has authority to issue well permits pursuant to subsection 107(7) (i.e. permits for large capacity wells) for the withdrawal of designated groundwater from the Aquifer. Pursuant to section 37-90-107(7)(a) the Commission shall adopt the necessary rules to carry out the provisions of subsection (7). Pursuant to section 37-90-111(h), C.R.S., the Commission is empowered to adopt rules necessary to carry out the provisions of Article 90 of Title 37. In accordance with that authority, the Commission has adopted the Rules and Regulations for the Management and Control of Designated Ground Water (2 CCR 410-1) ("Designated Basin Rules", or "Rules").

11. Large capacity well permits issued pursuant to section 37-90-107(7) are subject to the following provisions of statute and the Designated Basin Rules.

a. Pursuant to section 37-90-107(7)(a) well permits issued pursuant to subsection 107(7) shall allow withdrawals on the basis of an aquifer life of one hundred years. The 308 acre-feet of water in the Aquifer underlying the Overlying Land available for allocation in this Determination, if permitted for withdrawal by large capacity wells on the basis of an aquifer life of one hundred years, would result in an allowed average annual amount of withdrawal of 3.08 acre-feet per year.

b. Any amounts of groundwater in the Aquifer allocated in this Determination that are permitted for withdrawal pursuant to section 37-90-105, by small capacity well permits issued after the issuance of this Determination reduce the amount of water, and the allowed average annual amount of withdrawal, that may be withdrawn by wells permitted pursuant to section 37-90-107(7).

c. In accordance with Rule 5.3.6 of the Designated Basin Rules, it has been determined that withdrawal of groundwater from the Aquifer underlying the Overlying Land will, within

one hundred years, deplete the flow of a natural steam or an alluvial aquifer at an annual rate greater than one-tenth of one percent of the annual rate of withdrawal and, therefore, the groundwater in the Aquifer underlying the Overlying Land is considered to be not-nontributary groundwater as defined in Rule 4.2.23 of the Designated Basin Rules. Also, the location of the land claimed by the Applicant is closer than one mile from the Aquifer contact with the alluvium. Withdrawal of water from the Aquifer underlying the Overlying Land would impact the alluvial aquifer of the Upper Black Squirrel Creek Designated Groundwater Basin, which has been determined to be over-appropriated. Commission approval of a replacement plan pursuant to section 37-90-107.5, C.R.S., and Rule 5.6 of the Designated Basin Rules, that provides for the replacement of the actual depletion to the alluvial aquifer and is adequate to prevent any material injury to existing water rights of other appropriators, is required prior to approval of well permits for wells to be located on this land area to withdraw the groundwater in the Aquifer underlying the Overlying Land. Pursuant to the Rules the replacement plan shall provide for the depletion of the alluvial water for the first 100 years due to all previous pumping, and if pumping continues beyond 100 years shall replace actual impact until pumping ceases, assuming water table conditions in the Aquifer.

12. Pursuant to section 37-90-105(1), the State Engineer has the authority to approve small capacity well permits. While water withdrawn from the Aquifer from beneath the Overlying Land by small capacity wells may consist of the groundwater allocated herein, the Commission recognizes that in approving small capacity permits the State Engineer is not bound by the terms and conditions of this Determination, and may approve small capacity permits based on standards and with such conditions as the State Engineer considers appropriate.

13. The ability of wells permitted to withdraw the authorized amount of water from this nonrenewable Aquifer may be less than the one hundred years upon which the amount of water in the Aquifer is allocated, due to anticipated water level declines.

14. On May 25, 2023, in accordance with Rule 9.1 of the Designated Basin Rules, written recommendations concerning this application were requested from the Upper Black Squirrel Creek Ground Water Management District. Written recommendations from the District were received on June 7, 2023.

15. In accordance with sections 37-90-107(7)(c)(II) and 37-90-112, C.R.S., the application was published in the Ranchland News newspaper on June 1, 2023 and June 8, 2023. No objections to the application were received within the time limit set by statute.

ORDER

In accordance with section 37-90-107(7) and the Designated Basin Rules, the Commission hereby determines a right to an allocation of designated groundwater in the Arapahoe Aquifer underlying 60 acres of land, generally described as the E 1/2 of the NW 1/4 of the SW 1/4 and the NE 1/4 of the SW 1/4, Section 12, Township 14 South, Range 63 West, Sixth P.M., further described in Exhibit A, subject to the following conditions.

16. The amount (i.e. volume) of water in the Aquifer underlying the 60 acres of Overlying Land allocated herein is 308 acre-feet (Underlying Groundwater).

17. The amount (i.e. volume) of Underlying Groundwater allocated herein shall be considered final, except that the Commission shall retain jurisdiction for subsequent adjustment of such amount to conform to the actual local aquifer characteristics from adequate information obtained from well drilling or test holes, if such information indicates that the initial estimate of the amount of Underlying Groundwater in the Aquifer was incorrect.

18. Approval of this Determination meets the requirements of section 37-90-107(7)(d)(II), that requires a determination of groundwater to be withdrawn by a well be made prior to the granting of a well permit pursuant to section 37-90-107(7).

19. Well permits issued pursuant to section 37-90-107(7), (i.e. large capacity wells) and this Determination are subject to the following conditions.

    a. The total amount of Underlying Groundwater that may be withdrawn from the Aquifer by all large capacity wells permitted pursuant to this Determination may not exceed a volume 308 acre-feet, less any amount of the Underlying Groundwater allocated herein permitted to be withdrawn by small capacity wells issued permits pursuant to section 37-90-105 after the issuance of this Determination. The amounts of water permitted to be withdrawn by such small capacity wells shall be considered to be one-hundred times the annual withdrawals permitted to be withdrawn by those wells.

    b. The allowed average annual amount of withdrawal by any large capacity well (or well field) permitted to withdraw the allocated water shall be equal to the volume of water permitted to be withdrawn by that well (or well field) divided by one-hundred years.

    c. The allowed maximum annual amount of withdrawal by any large capacity well (or well field) permitted to withdraw the allocated water may exceed the allowed average annual amount of withdrawal allowed by the well permit(s) as long as the total volume of water withdrawn by such well(s) does not exceed the product of the number of years since the date(s) of issuance of the well permit(s) times the allowed average annual amount of withdrawal allowed by the well permit(s).

    d. The Applicant may pump the allowed average annual amount of withdrawal and the allowed maximum annual amount of withdrawal from one or more wells of a well field in any combination, so long as the total combined withdrawal of the wells does not exceed the amounts described in this Order.

    e. Commission approval of a replacement plan, that provides for the replacement of the actual depletion to the alluvial aquifer and is adequate to prevent any material injury to existing water rights of other appropriators in the alluvial aquifer, is required prior to approval of well permits that allow the withdrawal of the Underlying Groundwater. The replacement plan shall provide for the depletion of the alluvial water for the first 100 years due to all previous pumping, and if pumping continues beyond 100 years shall replace actual impact until pumping ceases, assuming water table conditions in the Aquifer.

    f. The use of the Underlying Groundwater shall be limited to the following beneficial uses: domestic, irrigation, domestic animal and livestock watering, fire protection and replacement purposes; either directly or after temporary storage in a cistern. The place of use of the Underlying Groundwater shall be limited to the above described 60 acres of Overlying Land. The Underlying Groundwater that is the subject of this Determination

may be reused and successively used to extinction to the extent dominion and control over the water is maintained and its volume can be distinguished from the volume of any stream system into which it is introduced to the satisfaction of the Commission. The Underlying Groundwater is located within the Upper Black Squirrel Creek Ground Water Management District where local District rules apply which may further limit the withdrawal and use of the subject designated groundwater.

g. The wells must be located on the above described 60 acres of Overlying Land.

h. No well shall be located within 600 feet of any existing large-capacity well in the same Aquifer unless a Waiver of Claim of Injury is obtained from the owner of the existing well or unless the Commission, after a hearing, finds that circumstances in a particular instance warrant that a well may be permitted without regard to this limitation.

i. The wells must be constructed to withdraw water from only the Arapahoe Aquifer.

j. The entire depth of each well must be geophysically logged prior to installing the casing in the same manner as set forth in Rule 9 of the Statewide Nontributary Ground Water Rules, 2 CCR 402-7.

k. A totalizing flow meter or other Commission approved measuring device shall be installed on each well and maintained in good working order by the well owner. Annual diversion records shall be collected and permanently maintained by the well owner and submitted to the Commission and the Upper Black Squirrel Creek Ground Water Management District upon request.

l. The well shall be marked in a conspicuous place with this determination number, the well permit number, and the name of the Aquifer. The well owner shall take necessary means and precautions to preserve these markings.

20. A copy of this Determination shall be recorded by the Applicant in the public records of the county in which the Overlying Land is located so that a title examination of the above described 60 acres of Overlying Land area, or any part thereof, shall reveal the existence of this Determination.

21. The right to an allocation of designated groundwater determined herein is a vested property right with specific ownership. Some or all of the water right may be transferred independent of the land under which the right originated. Any action taken that is intended to convey, transfer, and/or sell the subject water right shall explicitly identify this Determination number, the specific Aquifer, and the total amount (i.e. volume) of the right that is being conveyed.

Dated this 9th day of August, 2023.

Kevin G. Rein, P.E
Executive Director
Colorado Ground Water Commission

By: _____
Joanna Williams, P.E.
Chief of Water Supply, Designated Basins

Prepared by: aat
F&O4551-BD.doc

Exhibit A
4551-BD
Page 1 of 2

Received
May 17, 2023
DWR

Form no. GWS-1 (1/2020)

DIVISION OF WATER RESOURCES
DEPARTMENT OF NATURAL RESOURCES
1313 Sherman St, Room 821, Denver, CO 80203
(303) 866-3581, www.colorado.gov/water, dwrpermitsonline@state.co.us

NONTRIBUTARY GROUNDWATER LANDOWNERSHIP STATEMENT

This form is to be submitted with applications for the following, when the applicant is the owner of the overlying land.
1) A well permit to withdraw groundwater from the Dawson, Denver, Arapahoe or Laramie-Fox Hills aquifers, or other aquifer the applicant claims contains nontributary groundwater, outside of a Designated Groundwater Basin subject to section 37-90-137(4), C.R.S., except when the right to withdraw the groundwater has been determined by a valid decree; OR
2) A determination of water right in the Dawson, Denver, Arapahoe or Laramie-Fox Hills aquifers, or a well permit to withdraw groundwater from those aquifers that are subject to Designated Basin Rule 5.4, within a Designated Groundwater Basin.
NOTE: Form submittal instructions can be found on our website Colorado.gov/water. See instructions on the reverse of this form.
Type or print in black or blue ink.

1. APPLICANT INFORMATION

Name of Applicant
GWH Investments, LLC

Mailing Address	City	State	Zip Code
4017 Loring Circle North	Colorado Springs	Colorado	80909

Telephone Number (include area code)	Email
(719) 229-2332	mbutler451@gmail.com / wjt@cowaterlaw.com

2. AQUIFER
Arapahoe

3. CLAIM OF OWNERSHIP – I hereby claim that I am the owner of the following described property, as evidenced by the attached copy of a deed recorded in the county in which the property is located.

Number of acres: 60 in the county of: El Paso
described as follows (insert legal description).

Please see attached

- I further claim that the right to withdraw the groundwater in the aquifer underlying the above described property has not been reserved by another, nor has consent been given to another for the right to its withdrawal.

4. THE APPLICANT MUST PROVIDE – a Verification of Notice of Application (form no. GWS-43) (see instructions for exceptions).

5. SIGNATURE – Sign or enter name(s) of applicant(s) or authorized agent. The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104(13)(a). I have read the statements herein, know the contents thereof, and state that they are true to my knowledge.

Signature: michael butler Date: 2.20.23

Print name and title: Michael Butler, Mgr

Received
May 17, 2023
DWR

Exhibit A
4551-BD
Page 2 of 2

222148034 12/8/2022 1:46 PM
PGS 6 $38.00 DF $0.00
Electronically Recorded Official Records El Paso County CO
Chuck Broerman, Clerk and Recorder
TD1000 N

Liability

The printed portions of this form, except differentiated additions, have been approved by the Colorado Real Estate Commission. (TD72-9-08) (Mandatory 1-09)

IF THIS FORM IS USED IN A CONSUMER CREDIT TRANSACTION, CONSULT LEGAL COUNSEL. THIS IS A LEGAL INSTRUMENT. IF NOT UNDERSTOOD, LEGAL, TAX OR OTHER COUNSEL SHOULD BE CONSULTED BEFORE SIGNING.

DEED OF TRUST

(Due on Transfer - Strict)

THIS DEED OF TRUST is made this 14th day of November, 2022, between GWH Investments LLC (Borrower), whose address is 6547 North Academy Blvd #1009 Colorado Srings, CO 80918; and the Public Trustee of the County in which the Property (see paragraph 1) is situated (Trustee); for the benefit of Thrive Private Investments LLC (Lender) whose address is 6885 Mesa Ridge Pkwy #203 Fountain, CO 80817.

Borrower and Lender covenant and agree as follows:

Property in Trust. Borrower, in consideration of the indebtedness herein recited and the trust herein created, hereby grants and conveys to Trustee in trust, with power of sale, the following described property located in the _____ County of, El Paso, State of Colorado:

Parcle A:
The East Half of the Northwest Quarter of the Southwest and the Northeast Quarter of the Southwest Quarter of Section 12, Township 14 South, Range 63 West of the 6th Principal Meridian, County of El Paso, State of Colorado.

Parcel B:
A Non-Exclusive Easement for ingress and egress over the Easterly 60 fee of the Southeast Quarter of the Southwest Quarter 12, Township 14 South, Range 63 West of the 6th Principal Meridian, as created by Eastment Grant and Agreement recorded November 6, 1996 under Reception No. 96141186.

also known as

(Street)	Calhan, Colorado (City)	80808 (Zip Code)

(Property Address), together with all its appurtenances (Property).

1. **Note; Other Obligations Secured.** This Deed of Trust is given to secure to Lender:
   A. the repayment of the indebtedness evidenced by Borrower's note (Note) dated November 14th 2022, in the principal sum of Five Hundred and Fifthy Thousand Dollars (U.S. $ 550.000), with interest on the unpaid principal balance from, January 1st 2023 until paid, at the rate of 6 percent per annum, with principal and interest payable at 6885 Mesa Ridge Pkwy #203 Fountain, CO 80817 or such other place as the Lender may designate, in 6 payments of Three Thousand two hundred and ninety eight Dollars (U.S. $3298) due on the 1st day of each month beginning January 1st 2023; such payments to continue until the entire indebtedness evidenced by said Note is fully paid; however, if not sooner paid, the entire principal amount outstanding and accrued interest thereon, shall be due and payable on June 30th 2023; and Borrower is to pay to Lender a late charge of 5% of any payment not received by the Lender within 5 days after payment is due; and Borrower has the right to prepay the principal amount outstanding under said Note, in whole or in part, at any time without penalty except N/a
   B. the payment of all other sums, with interest thereon at 5% per annum, disbursed by Lender in accordance with this Deed of Trust to protect the security of this Deed of Trust; and
   C. the performance of the covenants and agreements of Borrower herein contained.
3. **Title.** Borrower covenants that Borrower owns and has the right to grant and convey the Property, and warrants title to the same, subject to general real estate taxes for the current year, easements of record or in existence, and recorded declarations, reservations and covenants, if any, as of this date and subject to N/a.
4. **Payment of Principal and Interest.** Borrower shall promptly pay when due the principal of and interest on the indebtedness evidenced by the Note, and late charges as provided in the Note and shall perform all of Borrower's other covenants contained in the Note.
5. **Application of Payments.** All payments received by Lender under the terms hereof shall be applied by Lender first in payment of amounts due pursuant to paragraph 23 (Escrow Funds for Taxes and Insurance), then to amounts disbursed by Lender pursuant to paragraph 9 (Protection of Lender's Security), and the balance in accordance with the terms and conditions of the Note.

225010097 2/5/2025 11:47 AM
PGS 7 $43.00 DF $0.00
Electronically Recorded Official Records El Paso County CO
Steve Schleiker, Clerk and Recorder
TD1000 N

Exhibit C

COLORADO GROUND WATER COMMISSION
FINDINGS AND ORDER

IN THE MATTER OF AN APPLICATION FOR A DETERMINATION OF A RIGHT TO AN ALLOCATION OF GROUNDWATER IN THE UPPER BLACK SQUIRREL CREEK DESIGNATED GROUNDWATER BASIN

DETERMINATION NO.: 4550-BD

AQUIFER: Laramie-Fox Hills

APPLICANT: GWH Investments, LLC

In compliance with section 37-90-107(7), C.R.S., and the Designated Basin Rules, 2 CCR 410-1, GWH Investments, LLC (Applicant) submitted an application to the Colorado Ground Water Commission (Commission) for a determination of a right to an allocation of designated groundwater from the Laramie-Fox Hills Aquifer.

FINDINGS

1. The application was received by the Commission on March 9, 2023.

2. The Applicant requests a determination of right to an allocation of designated groundwater (Determination) in the Laramie-Fox Hills aquifer (Aquifer) underlying 60 acres, generally described as the E 1/2 of the NW 1/4 of the SW 1/4 and the NE 1/4 of the SW 1/4, Section 12, Township 14 South, Range 63 West, Sixth P.M., in El Paso County (Overlying Land). According to a Nontributary Groundwater Landownership Statement dated February 20, 2023, attached hereto as Exhibit A, the Applicant owns the 60 acres of land, which are further described in said Ownership Statement, and claims control of the right to the groundwater in the Aquifer underlying the land.

3. The Overlying Land is located within the boundaries of the Upper Black Squirrel Creek Designated Groundwater Basin and Upper Black Squirrel Creek Ground Water Management District. The Commission has jurisdiction over the designated groundwater that is the subject of this Determination.

4. The Commission's Staff has evaluated the application relying on the claims to control of the groundwater in the Aquifer underlying the Overlying Land made by the Applicant.

5. The Applicant intends to apply the groundwater in the Aquifer underlying the Overlying Land to the following beneficial uses: domestic, irrigation, domestic animal and livestock watering, fire protection and replacement purposes; either directly or after temporary storage in a cistern. The Applicant's proposed place of use of the groundwater in the Aquifer underlying the Overlying Land is the above described 60 acres of Overlying Land.

6. Pursuant to section 37-90-107(7)(a), and in accordance with the Designated Basin Rules, the Commission shall allocate the groundwater in the Aquifer underlying the Overlying Land on the basis of the ownership of the Overlying Land.

7. The amount of water in storage in the Aquifer underlying the 60 acres of Overlying Land claimed by the Applicant is 1,660 acre-feet. This determination was based on the following as specified in the Designated Basin Rules.

a. The average specific yield of those saturated aquifer materials containing sufficient water that can be drained by gravity and placed to beneficial use is 15 percent.

b. The average thickness of those saturated aquifer materials containing sufficient water that can be drained by gravity and placed to beneficial use is 185 feet.

8. A review of the records in the Office of the State Engineer has disclosed that none of the groundwater in the Aquifer underlying the Overlying Land has been either previously determined to be allocated by the Commission, has been permitted for withdrawal by large capacity wells that have rights that were initiated prior to November 19, 1973 that are subject to section 37-90-107(7)(b), or has been permitted for withdrawal by existing small capacity wells withdrawing water under permits issued pursuant to section 37-90-105, C.R.S. The amount of designated groundwater in the Aquifer underlying the Overlying Land that is available for allocation in this Determination is 1,660 acre-feet.

9. Pursuant to section 37-90-107(7)(c)(III), an approved determination of a right to an allocation shall be considered a final determination of the amount of groundwater so determined; except that the Commission shall retain jurisdiction for subsequent adjustment of such amount to conform to the actual local aquifer characteristics from adequate information obtained from well drilling or test holes.

10. Pursuant to section 37-90-107(7)(d), the Commission has authority to issue well permits pursuant to subsection 107(7) (i.e. permits for large capacity wells) for the withdrawal of designated groundwater from the Aquifer. Pursuant to section 37-90-107(7)(a) the Commission shall adopt the necessary rules to carry out the provisions of subsection (7). Pursuant to section 37-90-111(h), C.R.S., the Commission is empowered to adopt rules necessary to carry out the provisions of Article 90 of Title 37. In accordance with that authority, the Commission has adopted the Rules and Regulations for the Management and Control of Designated Ground Water (2 CCR 410-1) ("Designated Basin Rules", or "Rules").

11. Large capacity well permits issued pursuant to section 37-90-107(7) are subject to the following provisions of statute and the Designated Basin Rules.

a. Pursuant to section 37-90-107(7)(a) well permits issued pursuant to subsection 107(7) shall allow withdrawals on the basis of an aquifer life of one hundred years. The 1,660 acre-feet of water in the Aquifer underlying the Overlying Land available for allocation in this Determination, if permitted for withdrawal by large capacity wells on the basis of an aquifer life of one hundred years, would result in an allowed average annual amount of withdrawal of 16.6 acre-feet per year.

b. Any amounts of groundwater in the Aquifer allocated in this Determination that are permitted for withdrawal pursuant to section 37-90-105, by small capacity well permits issued after the issuance of this Determination reduce the amount of water, and the allowed average annual amount of withdrawal, that may be withdrawn by wells permitted pursuant to section 37-90-107(7).

c. In accordance with Rule 5.3.6 of the Designated Basin Rules, it has been determined that withdrawal of groundwater from the Aquifer underlying the Overlying Land will not, within one hundred years, deplete the flow of a natural steam or its alluvial aquifer at an annual rate greater than one-tenth of one percent of the annual rate of withdrawal and, therefore, the groundwater in the Aquifer underlying the Overlying Land is

nontributary groundwater as defined in Rule 4.2.22 of the Designated Basin Rules. Pursuant to the Rules, no more than 98% of the amount of the groundwater in the Aquifer underlying the Overlying Land withdrawn annually shall be consumed.

12. Pursuant to section 37-90-105(1), the State Engineer has the authority to approve small capacity well permits. While water withdrawn from the Aquifer from beneath the Overlying Land by small capacity wells may consist of the groundwater allocated herein, the Commission recognizes that in approving small capacity permits the State Engineer is not bound by the terms and conditions of this Determination, and may approve small capacity permits based on standards and with such conditions as the State Engineer considers appropriate.

13. The ability of wells permitted to withdraw the authorized amount of water from this nonrenewable Aquifer may be less than the one hundred years upon which the amount of water in the Aquifer is allocated, due to anticipated water level declines.

14. On May 25, 2023, in accordance with Rule 9.1 of the Designated Basin Rules, written recommendations concerning this application were requested from the Upper Black Squirrel Creek Ground Water Management District. Written recommendations from the District were received on June 7, 2023.

15. In accordance with sections 37-90-107(7)(c)(II) and 37-90-112, C.R.S., the application was published in the Ranchland News newspaper on June 1, 2023 and June 8, 2023. No objections to the application were received within the time limit set by statute.

ORDER

In accordance with section 37-90-107(7) and the Designated Basin Rules, the Commission hereby determines a right to an allocation of designated groundwater in the Laramie-Fox Hills Aquifer underlying 60 acres of land, generally described as the E 1/2 of the NW 1/4 of the SW 1/4 and the NE 1/4 of the SW 1/4, Section 12, Township 14 South, Range 63 West, Sixth P.M., further described in Exhibit A, subject to the following conditions.

16. The amount (i.e. volume) of water in the Aquifer underlying the 60 acres of Overlying Land allocated herein is 1,660 acre-feet (Underlying Groundwater).

17. The amount (i.e. volume) of Underlying Groundwater allocated herein shall be considered final, except that the Commission shall retain jurisdiction for subsequent adjustment of such amount to conform to the actual local aquifer characteristics from adequate information obtained from well drilling or test holes, if such information indicates that the initial estimate of the amount of Underlying Groundwater in the Aquifer was incorrect.

18. Approval of this Determination meets the requirements of section 37-90-107(7)(d)(II), that requires a determination of groundwater to be withdrawn by a well be made prior to the granting of a well permit pursuant to section 37-90-107(7).

19. Well permits issued pursuant to section 37-90-107(7), (i.e. large capacity wells) and this Determination are subject to the following conditions.

    a. The total amount of Underlying Groundwater that may be withdrawn from the Aquifer by all large capacity wells permitted pursuant to this Determination may not exceed a

volume 1,660 acre-feet, less any amount of the Underlying Groundwater allocated herein permitted to be withdrawn by small capacity wells issued permits pursuant to section 37-90-105 after the issuance of this Determination. The amounts of water permitted to be withdrawn by such small capacity wells shall be considered to be one-hundred times the annual withdrawals permitted to be withdrawn by those wells.

b. The allowed average annual amount of withdrawal by any large capacity well (or well field) permitted to withdraw the allocated water shall be equal to the volume of water permitted to be withdrawn by that well (or well field) divided by one-hundred years.

c. The allowed maximum annual amount of withdrawal by any large capacity well (or well field) permitted to withdraw the allocated water may exceed the allowed average annual amount of withdrawal allowed by the well permit(s) as long as the total volume of water withdrawn by such well(s) does not exceed the product of the number of years since the date(s) of issuance of the well permit(s) times the allowed average annual amount of withdrawal allowed by the well permit(s).

d. The Applicant may pump the allowed average annual amount of withdrawal and the allowed maximum annual amount of withdrawal from one or more wells of a well field in any combination, so long as the total combined withdrawal of the wells does not exceed the amounts described in this Order.

e. No more than 98% of the amount of Underlying Groundwater withdrawn annually shall be consumed. The Commission may require well owners to demonstrate periodically that no more than 98% of the Underlying Groundwater withdrawn annually is being consumed.

f. The use of the Underlying Groundwater shall be limited to the following beneficial uses: domestic, irrigation, domestic animal and livestock watering, fire protection and replacement purposes; either directly or after temporary storage in a cistern. The place of use of the Underlying Groundwater shall be limited to the above described 60 acres of Overlying Land. The Underlying Groundwater that is the subject of this Determination may be reused and successively used to extinction to the extent dominion and control over the water is maintained and its volume can be distinguished from the volume of any stream system into which it is introduced to the satisfaction of the Commission. The Underlying Groundwater is located within the Upper Black Squirrel Creek Ground Water Management District where local District rules apply which may further limit the withdrawal and use of the subject designated groundwater.

g. The wells must be located on the above described 60 acres of Overlying Land.

h. No well shall be located within 600 feet of any existing large-capacity well in the same Aquifer unless a Waiver of Claim of Injury is obtained from the owner of the existing well or unless the Commission, after a hearing, finds that circumstances in a particular instance warrant that a well may be permitted without regard to this limitation.

i. The wells must be constructed to withdraw water from only the Laramie-Fox Hills Aquifer.

j. The entire depth of each well must be geophysically logged prior to installing the casing in the same manner as set forth in Rule 9 of the Statewide Nontributary Ground Water Rules, 2 CCR 402-7.

k. A totalizing flow meter or other Commission approved measuring device shall be installed on each well and maintained in good working order by the well owner. Annual diversion records shall be collected and permanently maintained by the well owner and submitted to the Commission and the Upper Black Squirrel Creek Ground Water Management District upon request.

l. The well shall be marked in a conspicuous place with this determination number, the well permit number, and the name of the Aquifer. The well owner shall take necessary means and precautions to preserve these markings.

20. A copy of this Determination shall be recorded by the Applicant in the public records of the county in which the Overlying Land is located so that a title examination of the above described 60 acres of Overlying Land area, or any part thereof, shall reveal the existence of this Determination.

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Dated this 9th day of August, 2023.

Kevin G. Rein, P.E
Executive Director
Colorado Ground Water Commission

By: Joanna Williams, P.E.
Chief of Water Supply, Designated Basins

Prepared by: aat
F&O4550-BD.doc

Exhibit A
4550-BD
Page 1 of 2

Form no. GWS-1 (1/2020)

DIVISION OF WATER RESOURCES
DEPARTMENT OF NATURAL RESOURCES
1313 Sherman St, Room 821, Denver, CO 80203
(303) 866-3581, www.colorado.gov/water, dwrpermitsonline@state.co.us

Received
May 17, 2023
DWR

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GWH Investments, LLC

Mailing Address	City	State	Zip Code
4017 Loring Circle North	Colorado Springs	Colorado	80909

Telephone Number (include area code)	Email
(719) 229-2332	mbutler451@gmail.com / wjt@cowaterlaw.com

2. AQUIFER
Laramie-Fox Hills

3. CLAIM OF OWNERSHIP – I hereby claim that I am the owner of the following described property, as evidenced by the attached copy of a deed recorded in the county in which the property is located.

Number of acres: 60 in the county of: El Paso
described as follows (insert legal description).

Please see attached

- I further claim that the right to withdraw the groundwater in the aquifer underlying the above described property has not been reserved by another, nor has consent been given to another for the right to its withdrawal.

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Signature: michael butler Date: 2.20.23

Print name and title: Michael Butler, Mgr

Received
May 17, 2023
DWR

Exhibit A
4550-BD
Page 2 of 2

222148034 12/8/2022 1:46 PM
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(Due on Transfer - Strict)

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Borrower and Lender covenant and agree as follows:

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Parcel B:
A Non-Exclusive Easement for ingress and egress over the Easterly 60 fee of the Southeast Quarter of the Southwest Quarter 12, Township 14 South, Range 63 West of the 6th Principal Meridian, as created by Eastment Grant and Agreement recorded November 6, 1996 under Reception No. 96141186.

also known as

(Street)	Calhan, Colorado (City)	80808 (Zip Code)

(Property Address), together with all its appurtenances (Property).

1. **Note; Other Obligations Secured.** This Deed of Trust is given to secure to Lender:
   A. the repayment of the indebtedness evidenced by Borrower's note (Note) dated November 14th 2022, in the principal sum of Five Hundred and Fifthy Thousand Dollars (U.S. $ 550,000), with interest on the unpaid principal balance from, January 1st 2023 until paid, at the rate of 6 percent per annum, with principal and interest payable at 6885 Mesa Ridge Pkwy #203 Fountain, CO 80817 or such other place as the Lender may designate, in 6 payments of Three Thousand two hundred and ninety eight Dollars (U.S. $3298) due on the 1st day of each month beginning January 1st 2023; such payments to continue until the entire indebtedness evidenced by said Note is fully paid; however, if not sooner paid, the entire principal amount outstanding and accrued interest thereon, shall be due and payable on June 30th 2023; and Borrower is to pay to Lender a late charge of 5% of any payment not received by the Lender within 5 days after payment is due; and Borrower has the right to prepay the principal amount outstanding under said Note, in whole or in part, at any time without penalty except N/a
   B. the payment of all other sums, with interest thereon at 5% per annum, disbursed by Lender in accordance with this Deed of Trust to protect the security of this Deed of Trust; and
   C. the performance of the covenants and agreements of Borrower herein contained.
3. **Title.** Borrower covenants that Borrower owns and has the right to grant and convey the Property, and warrants title to the same, subject to general real estate taxes for the current year, easements of record or in existence, and recorded declarations, reservations and covenants, if any, as of this date and subject to N/a.
4. **Payment of Principal and Interest.** Borrower shall promptly pay when due the principal of and interest on the indebtedness evidenced by the Note, and late charges as provided in the Note and shall perform all of Borrower's other covenants contained in the Note.
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Kristen Estates Development
Legend
Kristen Estates Development
Well Permit no. 235712
N Ellicott Hwy
Assurance St
Country Profiles Beaut
12
14S 63W
Well Permit no. 235712
94
Ellicott
El Bronco Ranch Market
N
2000 ft
Survey
Google Earth
Image © 2025 Airbus

WATER SUPPLY INFORMATION SUMMARY

Section 30-28-133,(d), C.R.S. requires that the applicant submit to the County, "Adequate evidence that a water supply that is sufficient in terms of quantity, quality and dependability will be available to ensure an adequate supply of water.

1. NAME OF DEVELOPMENT AS PROPOSED
Kristen Estates

2. LAND USE ACTION Subdivision

3. NAME OF EXISTING PARCEL AS RECORDED N/A

SUBDIVISION N/A FILING N/A BLOCK N/A LOT N/A

4. TOTAL ACREAGE 60

5. NUMBER OF LOTS PROPOSED 11 PLAT MAP ENCLOSED ☒ YES

6. PARCEL HISTORY - Please attach copies of deeds, plats or other evidence or documentation. See attached.

A. Was parcel recorded with county prior to June 1, 1972? ☐ YES ☒ NO
B. Has the parcel ever been part of a division of land action since June 1, 1972? ☐ YES ☒ NO
If yes, describe the previous action _____

7. LOCATION OF PARCEL - Include a map deliniating the project area and tie to a section corner. See attached map.

E1/2 NW1/4 of SW1/4 and the
NE 1/4 OF SW 1/4 SECTION 12 TOWNSHIP 14 ☐ N ☒ S RANGE 63 ☐ E ☒ W

PRINCIPAL MERIDIAN: ☒ 6TH ☐ N.M. ☐ UTE ☐ COSTILLA

8. PLAT - Location of all wells on property must be plotted and permit numbers provided. See attached map
Surveyors plat ☐ Yes ☒ No If not, scaled hand drawn sketch ☐ Yes ☒ No

9. ESTIMATED WATER REQUIREMENTS - Gallons per Day or Acre Feet per Year

			0.26/house=	
HOUSEHOLD USE # 11	of units	_____ GPD	2.86	AF
COMMERCIAL USE # _____	of S.F.	_____ GPD	_____	AF
IRRIGATION # 0.98	of acres	_____ GPD	2.428	AF
STOCK WATERING # 22	of head	_____ GPD	0.242	AF
OTHER _____		_____ GPD	_____	AF
TOTAL		_____ GPD	5.53	AF

10. WATER SUPPLY SOURCE

☒ EXISTING WELLS ☐ DEVELOPED SPRING
WELL PERMIT NUMBERS
235712

☒ NEW WELLS -
PROPOSED AQUIFERS - (CHECK ONE)
☐ ALLUVIAL ☐ UPPER ARAPAHOE
☐ UPPER DAWSON ☐ LOWER ARAPAHOE
☐ LOWER DAWSON ☒ LARAMIE FOX HILLS
☐ DENVER ☐ DAKOTA
☐ OTHER _____

☐ MUNICIPAL N/A
☐ ASSOCIATION
☐ COMPANY
☐ DISTRICT
NAME _____
LETTER OF COMMITMENT FOR SERVICE ☐ YES ☐ NO

WATER COURT DECREE CASE NO.'S
22CW3020, Div. 2

11. ENGINEER'S WATER SUPPLY REPORT ☒ YES ☐ NO IF YES, PLEASE FORWARD WITH THIS FORM. (This may be required before our review is completed.)
See Water Resources Report submitted with this form.

12. TYPE OF SEWAGE DISPOSAL SYSTEM individual non-evaporative septic systems

☒ SEPTIC TANK/LEACH FIELD ☐ CENTRAL SYSTEM - DISTRICT NAME _____

☐ LAGOON ☐ VAULT - LOCATION SEWAGE HAULED TO _____

☐ ENGINEERED SYSTEM (Attach a copy of engineering design) ☐ OTHER _____

COLORADO
Division of Water Resources
Department of Natural Resources

WELL PERMIT NUMBER 327194-
RECEIPT NUMBER 10018365

ORIGINAL PERMIT APPLICANT(S)

NANCY DIAZ

APPROVED WELL LOCATION

Water Division: 2 Water District: 10
Designated Basin: UPPER BLACK SQUIRREL CREEK
Management District: UPPER BLACK SQUIRREL
County: EL PASO
Parcel Name: N/A
Physical Address: N/A

SW 1/4 SE 1/4 Section 12 Township 14.0 S Range 63.0 W Sixth P.M.

UTM COORDINATES (Meters, Zone:13, NAD83)

Easting: 552531.0 Northing: 4299142.0

PERMIT TO CONSTRUCT A NEW WELL

ISSUANCE OF THIS PERMIT DOES NOT CONFER A WATER RIGHT

CONDITIONS OF APPROVAL

1) This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of this permit does not ensure that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.

2) The construction of this well shall be in compliance with the Water Well Construction Rules 2 CCR 402-2, unless approval of a variance has been granted by the State Board of Examiners of Water Well Construction and Pump Installation Contractors in accordance with Rule 18.

3) Approved pursuant to CRS 37-90-105 for a well on a tract of land of 38 acres described as the SW1/4 of the SE 1/4 of Section 12, Township 14 South, Range 63 West of the Sixth P.M., except 2 acres in the SE corner of the SW1/4 of the SE1/4, El Paso County, for one well to be used in one commercial business described as a mechanics shop. The business must meet the qualifications as described in CRS 37-90-105(1)(c)(II). Use of this well in a commercial business having another small capacity commercial well is prohibited unless a new permit to use this well is granted.

4) The pumping rate of this well shall not exceed 15 GPM.

5) The annual withdrawal of groundwater from this well shall not exceed 1 acre-foot.

6) Production is limited to the Laramie-Fox Hills aquifer which is located approximately 530 feet below land surface and extends to a depth of approximately 900 feet. In accordance with Rule 10.4.8 of the Water Well Construction Rules, plain steel casing must be installed and grouted from the top of the permitted production zone up to at least ten feet above the base of the surface casing, or to the depth required by Rule 10.5.2.1, if no surface casing is installed. (NOTE: If coals and/or carbonaceous shales are encountered in the borehole, plain casing and grout should be installed through these intervals to exclude poor quality water from entering the well.)

7) ADVANCE NOTICE REQUIRED - Pursuant to Construction Rule 6.2.2.1 (2 CCR 402-2), licensed or private drillers and pump installers must provide advance notification (by 11:59 pm the day before) to the State Engineer prior to each of the following for this well: the start of well construction, the initial installation of the first permanent pump, and the initial installation of a cistern connected to the water well supply system. Any change in the date of construction/installation must be re-noticed prior to the activity (by 11:59 pm the day before). Information regarding the notification process and a link to the electronic notification form can be found on the Division of Water Resources website at dwr.colorado.gov

8) This well shall be constructed within 200 feet of the location specified on this permit.

9) A totalizing flow meter must be installed on this well and maintained in good working order. Permanent records of all diversions must be maintained by the well owner (recorded at least annually) and submitted to the Upper Black Squirrel Creek Ground Water Management District and the Division of Water Resources upon request.

10) This well shall be constructed within 200 feet of the location specified on this permit.

NOTE: A hydrogeologic aquifer evaluation has been completed for this permit and the details of the evaluation can be viewed in the hydrogeologic aquifer evaluation imaged document and the original permit file.

WELL PERMIT NUMBER 327194- **RECEIPT NUMBER 10018365**

NOTE: This well is withdrawing water from a non-renewable aquifer. While the withdrawals from this aquifer are administered based on a 100 year aquifer life, water level declines may prevent this well from diverting the permitted amounts for that 100 years.

NOTE: This well is located within the Upper Black Squirrel Creek Ground Water Management District where local District Rules apply which may further limit the withdrawal and use of designated ground water as authorized under this permit.

NOTE: This permit will expire on the expiration date unless the well is constructed by that date. A Well Construction and Yield Estimate Report (GWS-31) must be submitted to the Division of Water Resources to verify the well has been constructed. An extension of the expiration date may be available. Contact the DWR for additional information or refer to the extension request form (GWS-64) available at: dwr.colorado.gov

Issued By SHANNON PORTER

Date Issued: 6/9/2022

Expiration Date: 6/9/2024

COLORADO DIVISION OF WATER RESOURCES
DEPARTMENT OF NATURAL RESOURCES
1313 SHERMAN ST, RM 821, DENVER, CO 80203
Main: (303) 866-3581 Fax: (303) 866-2223 dwrpermitsonline@state.co.us

Office Use Only

Form GWS-45 (07/2013)

Received
Jan 20 2022
Water Resources
State Engineer
COLO

GENERAL PURPOSE
Water Well Permit Application

Review instructions on reverse side prior to completing form.
The form must be computer generated, typed or in black or blue ink.

1. Applicant Information

Name of applicant: Nancy Digs

Mailing address: 22 S Ellicott Hwy

City: Calhan | State: CO | Zip code: 80808

Telephone # (area code & number): 303-798-4080 | E-mail (online filing required): nancymtz303@gmail.com

2. Type Of Application (check applicable boxes)

- [x] Construct new well
- [ ] Use existing well
- [ ] Replace existing well
- [ ] Change or increase use
- [ ] Change source (aquifer)
- [ ] Reapplication (expired permit)
- [ ] COGCC Well
- [ ] Other:

3. Refer To (if applicable)

Well permit # | Water Court case #

Designated Basin Determination # | Well name or #

4. Location Of Proposed Well

County: El Paso

SW 1/4 of the SE 1/4

Section	Township	N or S	Range	E or W	Principal Meridian
12	14	[ ] [x]	63	[ ] [x]	sixth

Distance of well from section lines (section lines are typically not property lines)
Ft. from [ ] N [ ] S Ft. from [ ] E [ ] W

For replacement wells only – distance and direction from old well to new well
feet direction

Well location address (include City, State, Zip) [ ] Check if well address is same as in item 1.

0 Highway 94 Ellicott, CO

Optional: GPS well location information in UTM format. You must check GPS unit for required settings as follows:

Format must be UTM
[ ] Zone 12 or [x] Zone 13
Units must be Meters
Datum must be NAD83
Unit must be set to true north
Was GPS unit checked for above? [x] YES

Easting 552531
Northing 4299142
Remember to set Datum to NAD83

5. Parcel On Which Well Will Be Located
(PLEASE ATTACH A CURRENT DEED FOR THE SUBJECT PARCEL)

A. Legal Description (may be provided as an attachment)

SW4SE4 SEC 12-14-63 EX 1 ACRE TR'S TO CHURCH

W/MR DESC BY BK 1236 PG 26

& BK 1412 PG 206, L/MR

B. # of acres in parcel: 38

C. Owner:

D. Will this be the only well on this parcel? [x] YES [ ] NO (if no list other wells)

E. State Parcel ID# (optional):

3412000032

6. Use Of Well (check applicable boxes)

Attach a detailed description of uses applied for.

- [x] ~~Industrial~~
- [ ] Municipal
- [ ] ~~Irrigation~~
- [x] Commercial
- [ ] Dewatering System
- [ ] Geothermal (production or reinjection
- [x] ~~Other (describe)~~: Domestic

7. Well Data (proposed)

Maximum pumping rate: 15 gpm
Annual amount to be withdrawn: 1 acre-feet
Total depth: 890 feet
Aquifer: Laramie-Fox Hills

8. Land On Which Ground Water Will Be Used

Legal Description of Land (may be provided as an attachment):

SW4SE4 SEC 12-14-63 EX 1 ACRE TR'S TO CHURCH

W/MR DESC BY BK 1236 PG 26

& BK 1412 PG 206, L/MR

(If used for crop irrigation, attach a scaled map that shows irrigated area.)

A. # Acres: 38
B. Owner:
C. List any other wells or water rights used on this land: 0

9. Proposed Well Driller License #(optional): 1148

10. Sign or Entered Name Of Applicant(s) Or Authorized Agent

The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104 (13)(a). I have read the statements herein, know the contents thereof and state that they are true to my knowledge.

Sign or enter name(s) of person(s) submitting application: Nancy Digs
Date (mm/dd/yyyy): 11/27/2021
If signing print name and title

Office Use Only

USGS map name | DWR map no. | Surface elev.

Receipt area only
10018365

AQUAMAP
WE
WR
CWCB
TOPO
MYLAR
SB5

DIV 2 WD 10 BA 4 MD 12

DB

Colorado Division of Water Resources
1313 Sherman St. Rm. 821
Denver, CO 80203
(303) 866-3581
dwr.colorado.gov

Application Receipt No. 10018365

Applicant's Name Nancy Diaz

COMMERCIAL SMALL CAPACITY WELL WATER USE BREAKDOWN WORKSHEET
(For Wells Located Within Designated Groundwater Basins)

Name and Type of Business El Bronco

1. Is this application for a new well?
   X Yes
   ____ No If no, is this application for a change of use for an existing permitted well?
   ____ Yes Permit Number of well (if applicable)_____
   ____ No For wells used **prior to May 8, 1972** see form GWS-12 *Registration of Existing Well* for further information.

2. Type of disposal system:

X	Septic tank/absorption leach field
	Central System (district name:)
	Vault (location sewage hauled to:)
	Other (attach copy of engineering design)

3. Water Demand Calculations (for average factors for water demand see below)

Employees

Number of Employees	X	Number of Gallons per Employee per Day	X	Number of Days Employee Works per Year	=	Gallons per Year	
5	X	1	X	365	=	1825	A

Customers

Number of Customers per Day	X	Number of Gallons per Customer	X	Number of Days Business is Open per Year	=	Gallons per Year	
	X		X		=		B

Outside

Square Feet of Irrigated Landscape	X	Number of Gallons per square foot per day	X	Number of Days landscape is irrigated	=	Gallons per Year	
	X		X		=		C

Other Uses - Provide breakdowns for all other substantial water usage (i.e. veterinary clinic, green houses, etc.)

Type of Use	X	Gallons per Use per Day	X	Days per Year	=	Gallons per Year	
General	X	10	X	365	=	3650	D

Total amount of water required: 5475 **gallons per year**
(A+B+C+D)

_____ **acre-ft per year**
(1 acre-ft = 325,851 gallons)

For all small capacity commercial wells:

1. The pumping rate shall not exceed 50 gallons per minute and may be further limited by Water Management District Rules.

General Guidelines for Water Demand in Gallons per Day
Day Workers at Offices – 15 gallons/person/day
Food Service Establishments (with toilet and kitchen wastes) – 10 gallons/patron/day
Churches (does not include food service) – 5 gallons/seat/day
Overnight Lodging – 50 gallons/customer/day
Landscape Irrigation – 45 gallons/1,000 square feet/day
On-Site Proprietor of Overnight Lodging (i.e. on-site owner of a Bed & Breakfast) – 80 gallons/person/day

Additional water demand figures may be obtained from a private water consultant or from a technical reference on this subject.

Colorado Division of Water Resources
1313 Sherman St. Rm. 821
Denver, CO 80203
(303) 866-3581
dwr.colorado.gov

Application Receipt No. 10018365

Applicant's Name Nancy Diaz

SUPPLEMENTAL INFORMATION FOR SMALL CAPACITY COMMERCIAL WELL PERMIT APPLICATIONS
(For Wells Located Within Designated Groundwater Basins)

Small capacity commercial well permit applications are evaluated pursuant to the provisions of CRS 37-90-105, which allows for *one* well in *one* commercial business. **Pending approval, the use of this proposed well for a commercial business having another small capacity commercial well is prohibited**. This supplemental information form is necessary in order to determine whether your application qualifies within the provisions of this statute.

Please answer the following questions using type or black ink. If additional space is needed, identify the question number on a separate sheet, then attach to this form. This form must be signed and dated below.

1. Name the type of business this proposed well will serve. Mechanic Shop
2. Will you own and operate this proposed well and the commercial business Yes
   - If not, please explain who will own and operate this well and the business served by this well? _____
3. Do you qualify as one commercial business as defined under CRS 37-90-105(1)(c)(II) (see below for referenced statute). Yes
4. Do you currently have a valid permit for any other small capacity commercial well inside any Designated Ground Water Basin in Colorado? No
   - If so, please provide the permit number(s) of any valid permit(s) you have.

I (we) have read the statement made herein, know the content thereof, and state that they are true to my (our) knowledge. [Pursuant to section 24-4-104 (13)(a) C.R.S., the making of false statements herein constitutes perjury in the second degree and is punishable as a Class 1 misdemeanor.]

Name/Title (print or ~~type~~): Nancy Diaz

Signature: _____ Date: 5/27/2022

Under **CRS 37-90-105** - Small Capacity Wells, paragraph (1)(c) (II) reads as follows:

To qualify as a "commercial business" under this paragraph (c), the business shall be:

(A) A business that will be operated by the well owner and that will have its own books, bank accounts, checking accounts, and separate tax returns;
(B) A business that will use water solely on the land indicated in the permit for the well and for the purposes stated in such permit;
(C) A business that will maintain its individual assets and will own or lease the property on which the well is to be located or where the business is operated;
(D) A business that will have its own contractual agreements for operation of the business;
(E) A business that agrees not to transfer a permit issued under this paragraph (c) to another entity that also holds a small capacity commercial well permit under this paragraph (c); and
(F) A business that agrees to notify any potential buyer that such buyer shall notify the state engineer of any change in ownership of such business within sixty days after any such change in ownership.

EL PASO COUNTY - COLORADO

3412000032
HIGHWAY 94

Total Market Value
$1,352

OVERVIEW

Owner:	**AGUIRRE NANCY MARTINEZ, RAMIREZ VENTURA DIAZ**
Mailing Address:	**22 E ELLICOTT HWY CALHAN CO, 80808**
Location:	**HIGHWAY 94**
Tax Status:	**Taxable**
Zoning:	**A-35**
Plat No:	**-**
Legal Description:	**SW4SE4 SEC 12-14-63 EX 1 ACRE TR'S TO CHURCH W/MR DESC BY BK 1236 PG 26 & BK 1412 PG 206, L/MR**

MARKET & ASSESSMENT DETAILS

	Market Value	Assessed Value
Land	**$1,352**	**$360**
Improvement	**$0**	**$0**
Total	**$1,352**	**$360**

No buildings to show.

LAND DETAILS

Sequence Number	Land Use	Assessment Rate	Area	Market Value
1	AG. GRAZING LAND	26.400	38 Acres	$1,352

SALES HISTORY

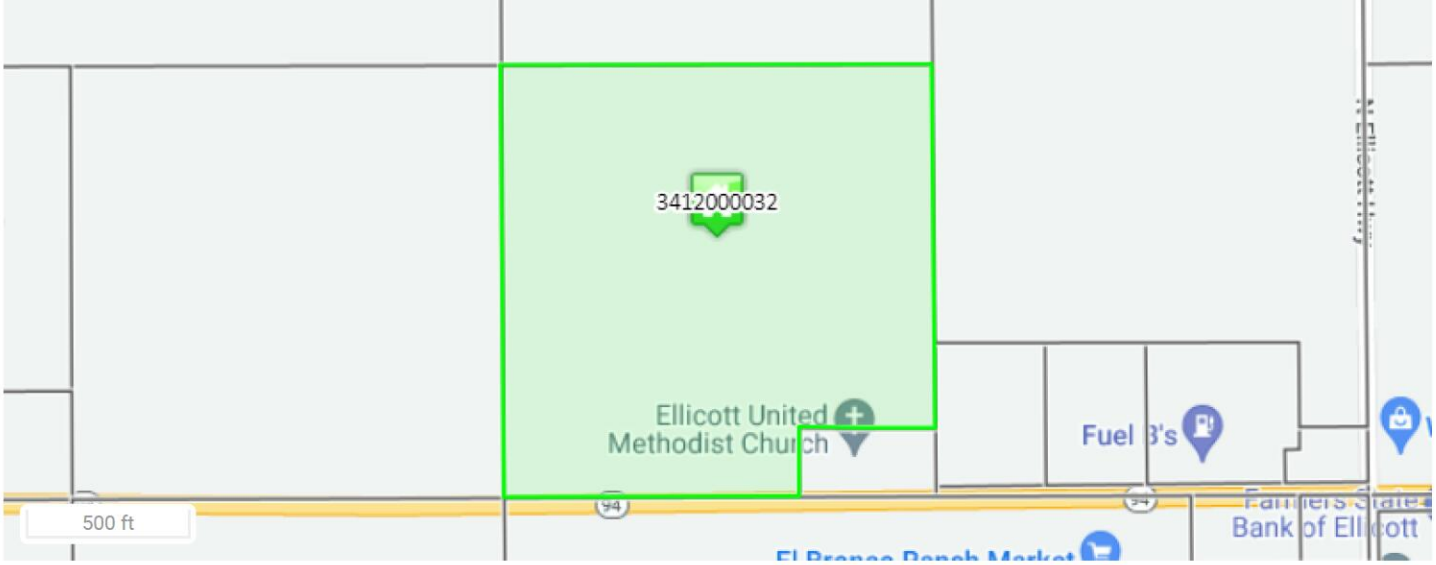
	Sale Date	Sale Price	Sale Type	Reception
+	06/24/2014	$0	-	214054653
+	11/07/2013	$0	-	213137037
+	11/07/2013	$0	-	213137036
+	08/26/2013	$66,600	Good sale; Vacant land	213109120

TAX ENTITY AND LEVY INFORMATION

County Treasurer Tax Information

Tax Area Code: **KB4** Levy Year: **2021** Mill Levy: **50.592**

Taxing Entity	Levy	Contact Name/Organization	Contact Phone
EL PASO COUNTY	7.120	FINANCIAL SERVICES	(719) 520-6400
EPC ROAD & BRIDGE (UNSHARED)	0.330	-	(719) 520-6498
ELLICOTT SCHOOL NO 22	30.534	MIKAELA COPELAND	(719) 683-2700
PIKES PEAK LIBRARY	3.490	RANDY GREEN	(719) 531-6333
ELLICOTT FIRE PROTECTION	8.113	CHRISTY MALONE	(719) 683-7211
UPPER BLK SQUIRREL CRK GROUND WATER	1.005	TRACY DORAN	(719) 510-0780
ELLICOTT METROPOLITAN	0.000	GEORGIA MCREA	(719) 683-4190
EL PASO COUNTY CONSERVATION	0.000	MARIAH HUDSON	(719) 600-4706



No Photo Available

Disclaimer

We have made a good-faith effort to provide you with the most recent and most accurate information available. However, if you need to use this information in any legal or official venue, you will need to obtain official copies from the Assessor's Office. Do be aware that this data is subject to change on a daily basis. If you believe that any of this information is incorrect, please call us at (719) 520-6600.

EL PASO COUNTY - COLORADO

3412000031
23252 HIGHWAY 94

Total Market Value
$256,522

OVERVIEW

Owner:	**ELLICOTT UNITED METHODIST CHURCH, C/O PATRICIA WARSTLER**
Mailing Address:	**23252 HIGHWAY 94 CALHAN CO, 80808**
Location:	**23252 HIGHWAY 94**
Tax Status:	**Partially Exempt**
Zoning:	**A-35**
Plat No:	**-**
Legal Description:	**TR IN SE COR OF SW4SE4 SEC 12-14-63, TOG W/ TR IN SW4SE4 SEC 12-14-63 DESC AS FOLS: COM AT THE INTERSEC OF THE N R/W LN OF HWY 24 W/ THE E LN OF THE SW4SE4 SD SEC 12, TH RUN N ON E LN OF SW4SE4 SD SEC 208.7 FT, TH RUN WLY 208.70 FT FOR POB, SD PT BEING THE NW COR OF TR CONV BY BK 1236-26, CONT TH WLY 208.70 FT, TH RUN SLY 208.70 FT TO THE N R/W LN OF SD HWY, TH E ON THE N R/W LN SD HWY 208.70 FT, TH RUN NLY 208.70 FT TO POB**

MARKET & ASSESSMENT DETAILS

	Market Value	Assessed Value
Land	**$47,916**	**$750**
Improvement	**$208,606**	**$7,670**
Total	**$256,522**	**$8,420**

RANCH (1)

Market Value **$110,381**

Assessment Rate	**6.95**	Above Grade Area	**900**
Bldg #	**1**	First Floor Area	**900**
Style Description	**RANCH**	Above First Floor Area	**0**
Property Description	**FRAME AVERAGE QUALITY**	Lower Level Living Area	**0**
Year Built	**1978**	Total Basement Area	**900**
Dwelling Units	**1**	Finished Basement Area	**780**
Number of Rooms	**8**	Garage Description	**Detached**
Number of Bedrooms	**5**	Garage Area	**384**
Number of Baths	**1.00**	Carport Area	**-**

EXEMPT RELIGIOUS WORSHIP (1)

Market Value **$59,742**

Assessment Rate	**29.00**	Sprinkler	**N**
Bldg #	**1**	Elevator	**N**
Use	**EXEMPT RELIGIOUS WORSHIP**	Occup 1	**309**
Year Built	**1966**	Occup 2	
Area	**2400**	HVA 1	**3**
Class	**D**	HVA 2	
Quality	**2.0**	Wall Height	**10**
Stories	**1**	Land Size	**87120**
Perimeter	**200**	Neigh #	**201**
# Units			

EXEMPT RELIGIOUS WORSHIP (2)

Market Value **$38,483**

Assessment Rate	**29.00**	Sprinkler	**N**
Bldg #	**2**	Elevator	**N**
Use	**EXEMPT RELIGIOUS WORSHIP**	Occup 1	**356**
Year Built	**1954**	Occup 2	
Area	**1635**	HVA 1	
Class	**C**	HVA 2	
Quality	**1.0**	Wall Height	**10**
Stories	**1**	Land Size	**87120**
Perimeter	**184**	Neigh #	**201**
# Units			

COLORADO
Division of Water Resources
Department of Natural Resources

Bedrock Aquifer Evaluation Determination Tool

Denver Basin Aquifers - Specific Location Determination Tool

Applicant: DIAZ, NANCY

Receipt Number: 10018365

Location: SW 1/4 of SE 1/4 of Sec. 12, T.14S, R.63W. (444 SSL, 2135 ESL)

Evaluated By: PORTER, SHANNON

Basin Designation: Location is within the UPPER BLACK SQUIRREL CREEK Designated Groundwater Basin

Ground Surface Elevation: 6023.36 Number of Acres: 38.00

Warning! The depth intervals estimated in this area may vary from actual conditions due to lack of data and/or structural complexity.

	Elevation (ft)			Depth (ft)			
Aquifer	Bottom	Top	Net Sand	Bottom	Top	Annual Approp. (AF)	Status
Upper Dawson	--	--	--	--	--	--	--
Lower Dawson	--	--	--	--	--	--	--
Denver	--	--	--	--	--	--	--
Upper Arapahoe	5690	5889	80.5	333	134	5.20	NNT
Lower Arapahoe	--	--	--	--	--	--	--
Laramie-Fox Hils	5098	5398	197.5	925	625	11.26	NT

Report Date: 6/2/2022

STATE OF COLORADO

Porter - DNR, Shannon <shannon.porter@state.co.us>

Diaz rcpt. 10018365 for review

2 messages

Porter - DNR, Shannon <shannon.porter@state.co.us> Wed, Jun 1, 2022 at 1:36 PM
To: Tracy Doran <ubscgwmd@gmail.com>

Commercial well permit for a mechanics shop, around 5 customers per day. 1 afy.

--

Shannon Porter
Engineering/Physical Science Technician
Designated Basins
P 303.866.3581 x 8204
1313 Sherman St., Suite 821, Denver, CO 80203
Shannon.Porter@state.co.us | water.state.co.us

10018365 application.pdf
381K

Tracy Doran <ubscgwmd@gmail.com> Wed, Jun 8, 2022 at 4:07 PM
To: "Porter - DNR, Shannon" <shannon.porter@state.co.us>

Shannon,

The Upper Black Squirrel Creek GWMD met and approved the Diaz commercial well permit application for 1 acre-foot in the Laramie-Fox Hills aquifer for a mechanics shop, with 5 customers a day on 38 acres last night.

Have a wonderful evening.

Tracy
[Quoted text hidden]
--
Tracy Doran
Office Manager
Upper Black Squirrel Creek Ground Water Management District
P.O. Box 428
Calhan, Co 80808
719-510-0780 Office

Form No. GWS-32 10/2016	**PUMP INSTALLATION AND PRODUCTION EQUIPMENT TEST REPORT** State of Colorado, Office of the State Engineer 1313 Sherman St., Room 821, Denver, CO 80203 303.866.3581 www.water.state.co.us and dwrpermitsonline@state.co.us	For Office Use Only

1. Well Permit Number: 327194 **Receipt Number:** 10018365

2. Owner's Well Designation:

3. Well Owner Name: Nancy Diaz

4. Well Location Street Address: 23250 Highway 94

5. GPS Well Location: ☐ Zone 12 ☒ Zone 13 Easting: 552531 Northing: 4299142 **County:** El Paso

6. Legal Well Location: SW 1/4, SE 1/4, Sec. 12 Twp. 14 ☐ N or S ☒, Range 63 ☐ E or W ☒
Distances from Section Lines: _____ ft. from ☐ N or S ☐ sec. line, and _____ ft. from ☐ E or W ☐ sec. line
Subdivision: _____ , Lot _____, Block _____ , Filing (Unit) _____

7. Check Installation Type: ☑ Initial Pump Installation ☐ Replacement Pump ☐ Change in Depth Only ☐ Repair

8. Pump Data: Type: Submersible Date Installed(mm/dd/yyyy): 02/22/2023
Pump Manufacturer: J Class Pump Model No. 2 HP 7 Gpm
Design GPM: 7 at RPM 3450 HP 2 Volts 230 Full Load Amps 8.1
Pump Intake Depth: 660 Feet, Drop/Column Pipe Size Inches, 1 Kind of Drop Pipe PVC
Additional Information for Pumps Greater Than 50 GPM: Turbine Driver Type: ☐ Electric ☐ Engine ☐ Other _____
Design Head: _____ feet Number of Stages: _____ Shaft size: _____ inches

9. Other Equipment:
Airline Installed: ☐ Yes ☐ No, Orifice Depth ft. _____ Monitor Tube Installed: ☐ Yes ☐ No, Depth ft. _____
Flow Meter Mfg. Neptune Meter Serial No. 8352832
Meter Readout: ☒ Gallons, ☐ Thousand Gallons, ☐ Acre feet Beginning Reading: 10

10. Cistern Information: Material: _____ Capacity: _____ gallons Date Installed:

11. Production Equipment Test Data: ☐ check box if data is submitted on Form Number GWS-39 Well Yield Test Report.

Total Well Depth: 778 ft.	Date:					
Static Level: 495 ft.	Time:					
Date Measured: 09/23/2022	Rate (gpm):	14				
	Pumping Level (ft):	660				

12. Disinfection: Type: HTH Amt. Used: 6 Oz

13. Notification: Was Advanced Notification Required Prior to Installation? ☒ Yes ☐ No, Date Notification Given: 02/22/2023

14. Water Quality analysis available: ☐ Yes ☒ No If yes, please submit with this report.

15. Remarks:

16. I have read the statements made herein and know the contents thereof, and they are true to my knowledge. This document is signed (or name entered if filing online) and certified in accordance with Rule 17.4 of the Water Well Construction Rules, 2 CCR 402-2. The filing of a document that contains false statements is a violation of section 37-91-108(1)(e), C.R.S., and is punishable by fines up to $1,000 and/or revocation of the contracting license. If filing online, the State Engineer considers the entry of the licensed contractor's name to be compliance with Rule 17.4.

Company Name:	Email:	Phone w/area code:	License Number:
Kunau Drilling LLC	Kunaudrilling@aol.com	(719) 683-3720	1148

Mailing Address: 23945 Lucky Lane Calhan, CO 80808

Sign (or enter name if filing online)	Print Name and Title	Date:
Tim Kunau	Tim Kunau/Manager	02/23/2023

Form No. GWS-31
02/2017

WELL CONSTRUCTION AND YIELD ESTIMATE REPORT

State of Colorado, Office of the State Engineer
1313 Sherman St., Room 821, Denver, CO 80203 303.866.3581
dwr.colorado.gov and dwrpermitsonline@state.co.us

For Office Use Only

1. Well Permit Number: 327194 **Receipt Number:** 10018365

2. Owner's Well Designation:

3. Well Owner Name: Nancy Diaz

4. Well Location Street Address: 23250 Highway 94

5. As Built GPS Well Location (required): ☐ Zone 12 ☒ Zone 13 Easting: 552531.0 Northing: 4299142

6. Legal Well Location: SW 1/4, SE 1/4, Sec., 12 Twp. 14 ☐ N or S ☒, Range 63 ☐ E or W ☒, 6th P.M.
County: El Paso
Subdivision: _____, Lot _____, Block _____, Filing (Unit) _____

7. Ground Surface Elevation: _____ feet **Date Completed:** 09/23/2022 **Drilling Method:** Mud Rotary

8. Completed Aquifer Name : Laramie Fox Hill **Total Depth:** 778 feet **Depth Completed:** 778 feet

9. Advance Notification: Was Notification Required Prior to Construction? ☒ Yes ☐ No, Date Notification Given: 09/19/2022

10. Aquifer Type: (Check one)
☐ Type I (One Confining Layer) ☐ Type I (Multiple Confining Layers) ☒ Laramie-Fox Hills
☐ Type II (Not overlain by Type III) ☐ Type II (Overlain by Type III) ☐ Type III (alluvial/colluvial)

11. Geologic Log:

Depth	Type	Grain Size	Color	Water Loc.
0-1	Top Soil			
160	Sand, gravel	Clay		
185	Clay, Shale		Blue	
203	Sandrock			
240	Clay, Sandrock			
248	Clay, Shale			
304	Clay, Sandrock			
315	Clay, Shale			
325	Clay, Sandrock			
345	Sandrock			
360	Clay, Sandrock			
375	Clay, Shale			
433	Clay, Sandrock		White	
470	Clay, Shale			
515	Clay, Sandrock			
517	Coal			
535	Clay, Shale			
596	Sandrock			
605	Clay, Shale			
613	Clay, Coal			

Remarks: 625 Clay, Sandrock
764 Sandrock White
778 Clay, Shale

12. Hole Diameter (in.)

	From (ft)	To (ft)
7 7/8"	0	778

13. Plain Casing

OD (in)	Kind	Wall Size (in)	From (ft)	To (ft)
5 9/16"	Steel	.188	+2	610

Perforated Casing Screen Slot Size (in): Torch

OD (in)	Kind	Wall Size (in)	From (ft)	To (ft)
5 9/16"	Steel	.188	610	778

14. Filter Pack:
Material _____
Size _____
Interval _____

15. Packer Placement:
Type Rubber
Depth 610

16. Grouting Record

Material	Amount	Density	Interval	Method
Cement	98 Sacks	588 Gal	0-610	Pumped

17. Disinfection: Type HTH Amt. Used 6 Oz

18. Well Yield Estimate Data: ☐ Check box if Test Data is submitted on Form Number GWS-39, Well Yield Test Report
Well Yield Estimate Method: Airlifted
Static Level: 495
Date/Time measured: 09/23/2022
Estimated Yield (gpm) 15+
Estimate Length (hrs) 4

Remarks:

19. I have read the statements made herein and know the contents thereof, and they are true to my knowledge. This document is signed (or name entered if filing online) and certified in accordance with Rule 17.4 of the Water Well Construction Rules, 2 CCR 402 2. The filing of a document that contains false statements is a violation of section 37 91 108(1)(e), C.R.S., and is punishable by fines up to $1,000 and/or revocation of the contracting license. If filing online the State Engineer considers the entry of the licensed contractor's name to be compliance with Rule 17.4.

Company Name:	Email:	Phone w/area code:	License Number:
Kunau Drilling LLC	kunaudrilling@aol.com	(719) 683-3720	1145

Mailing Address: 23945 Lucky Lane Calhan, CO 80808

Sign (or enter name if filing online)	Print Name and Title	Date:
Tim Kunau	Tim Kunau/Manager	10/18/2022

COLORADO'S
Decision Support Systems
CWCB / DWR

Attachment 3 - Well Proximity Exhibit

Legend

- Well Constructed
- County

Location

Notes

1,169 0 585 1,169 Feet

1: 7,016

This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

Date Prepared: 4/14/2025 10:39:53 AM

Attachment 4 - Water Quality Analysis Summary
El Paso County Land Development Code
Water Quality Requirements and Results
Laramie-Fox Hills Confined Aquifer
Kristen Estates - 11 lot Subdivision
Well Permit No. 327194-F
23250 Highway 94
Sampled - 10/12/23 / 02/28/25

No.	Compound	Units	MCL/SMCL	Result	Comment
1	Antimony	mg/l	0.006	0	ND
2	Arsenic	mg/l	0.01	0.001	
3	Barium	mg/l	2	0.008	
4	Beryllium	mg/l	0.004	0	ND
5	Cadmium	mg/l	0.005	0	ND
6	Chromium	mg/l	0.1	0	ND
7	Cyanide (Total)	mg/l	0	0	ND
8	Fluoride	mg/l	4	0.66	
9	Mercury	mg/l	0.002	0	ND
10	Nitrate as N	mg/l	10	0	ND
11	Nitrite as N	mg/l	1	0	ND
12	Total Nitrate/Nitrite as N	mg/l	10	0	
13	Selenium	mg/l	0.05	0.002	ND
14	Thallium	mg/l	0.002	0	ND
15	Aluminum	mg/l	0.05	0.218	ND
16	Chloride	mg/l	250	12.6	
17	Langelier Index			0.22	Corrosion (<-0.5)
18	Iron	mg/l	0.3	1.96	ND
19	Manganese	mg/l	0.05	0.029	
20	pH		6.5 - 8.5	9.07	
21	Silver	mg/l	0.1	0	ND
22	Sulfate	mg/l	250	259	
23	TDS	mg/l	500	384	
24	Zinc	mg/l	5	0.024	
25	Gross Alpha/Beta	pCi/l	15	3.5	α=10.0, β=6.2
26	Combined Radium 226+228	pCi/l	5	0.4	226=3.0, 228=8.1
27	Total Coliform	#/100 ml	Absent	Absent	

Green = Result below MCL - Acceptable Water Quality
Red = Result above MCL - Not acceptable Water Quality
ND = Not Detected

Colorado Analytical LABORATORIES, INC.

Analytical Results

TASK NO: 250228053

Report To: Will Parker
Company: Semocor Inc.
3995 South Castlewood Canyon
Castle Rock CO 80104

Bill To: Accounts Payable
Company: Semocor Inc.
3995 South Castlewood Canyon
Castle Rock CO 80104

Task No.: 250228053
Client PO: Nancys Well
Client Project: Nancys Well

Date Received: 2/28/25
Date Reported: 3/7/25
Matrix: Water - Drinking

Customer Sample ID Nancys Well
Sample Date/Time: 2/28/25 9:15 AM
Lab Number: 250228053-01

Test	Result	Method	RL	MCL	Date Analyzed	QC Batch ID	Analyzed By
Total Coliform	**ND mpn/100ml**	Colilert	1 mpn/100ml		3/1/25	-	TAB
Sulfate	**259 mg/L**	EPA 300.0	0.5 mg/L	250	3/1/25	QC80024	NRP
Cyanide-Total	**ND mg/L**	EPA 335.4	0.005 mg/L		3/4/25	QC80061	ACE
Total							
Iron	**1.96 mg/L**	EPA 200.7	0.005 mg/L	0.3	3/5/25	QC80077	MBN
Total							
Aluminum	**0.218 mg/L**	EPA 200.8	0.001 mg/L	0.05	3/4/25	QC80042	AMJ
Manganese	**0.0290 mg/L**	EPA 200.8	0.0008 mg/L	0.05	3/4/25	QC80042	AMJ
Silver	**ND mg/L**	EPA 200.8	0.0005 mg/L	0.1	3/4/25	QC80042	AMJ
Zinc	**0.024 mg/L**	EPA 200.8	0.001 mg/L	5	3/4/25	QC80042	AMJ

Abbreviations/ References:

RL = Reporting Limit = Minimum Level
mg/L = Milligrams Per Liter or PPM
ug/L = Micrograms Per Liter or PPB
mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed

(d) RPD acceptable due to low duplicate and sample concentrations.
(s) The accuracy of the spike recovery value is reduced due to the analyte concentration in the sample being disproportionate to the spike level. The laboratory control sample recovery was acceptable

MCL = Maximum contaminant level per the EPA
ND = Not Detected at Reporting Limit.

Colorado Analytical LABORATORIES, INC.

Analytical QC Summary

TASK NO: 250228053

Report To: Will Parker
Company: Semocor Inc.

Receive Date: 2/28/25
Project Name: Nancys Well

Test	QC Batch ID	QC Type	Result	Method	Prep Date
Cyanide-Total	QC80061	Blank	ND	EPA 335.4	3/4/25
Aluminum	QC80042	Method Blank	ND	EPA 200.8	2/28/25
Manganese	QC80042	Method Blank	ND	EPA 200.8	2/28/25
Silver	QC80042	Method Blank	ND	EPA 200.8	2/28/25
Zinc	QC80042	Method Blank	ND	EPA 200.8	2/28/25
Iron	QC80077	Method Blank	ND	EPA 200.7	2/28/25
Sulfate	QC80024	Blank	ND	EPA 300.0	2/28/25

Test	QC Batch ID	QC Type	Limits	% Rec	RPD	Method
Cyanide-Total	QC80061	Duplicate -250228071-04	0 - 20	-	3.8	EPA 335.4
		LCS	90 - 110	95.3	-	
		MS -250303097-01	90 - 110	93.5	-	
Aluminum	QC80042	LCS	90 - 110	103.2	-	EPA 200.8
		MS -250228025-09	70 - 130	97.2	-	
		MSD -250228025-09	0 - 10	-	1.5	
Manganese	QC80042	LCS	90 - 110	98.9	-	EPA 200.8
		MS -250228025-09	70 - 130	118.0	-	
		MSD -250228025-09	0 - 10	-	0.8	
Silver	QC80042	LCS	90 - 110	104.7	-	EPA 200.8
		MS -250228025-09	70 - 130	93.0	-	
		MSD -250228025-09	0 - 10	-	1.2	
Zinc	QC80042	LCS	90 - 110	106.6	-	EPA 200.8
		MS -250228025-09	70 - 130	89.0	-	
		MSD -250228025-09	0 - 10	-	0.2	
Iron	QC80077	Duplicate -250228025-09	0 - 20	-	0.0	EPA 200.7
		LCS	90 - 110	106.1	-	
		MS -250228044-01	75 - 125	98.2	-	
Sulfate	QC80024	Duplicate -250227117-01	0 - 20	-	0.6	EPA 300.0
		LCS	90 - 110	102.7	-	
		MS -250227117-01	75 - 125	91.1	-	

All analyses were performed in accordance with approved methods under the latest revision to 40 CFR Part 136 unless otherwise identified. Based on my inquiry of the person or persons directly responsible for analyzing samples and generating the report (s), the analyses, report, and information submitted are, to the best of my knowledge and belief, true, accurate, and complete.

DATA APPROVED FOR RELEASE BY

Abbreviations/ References:

RL = Reporting Limit = Minimum Level
mg/L = Milligrams Per Liter or PPM
ug/L = Micrograms Per Liter or PPB
mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed

(d) RPD acceptable due to low duplicate and sample concentrations.
(s) The accuracy of the spike recovery value is reduced due to the analyte concentration in the sample being disproportionate to the spike level. The laboratory control sample recovery was acceptable

MCL = Maximum contaminant level per the EPA
ND = Not Detected at Reporting Limit.

Chain of Custody Form

Colorado Analytical LABORATORIES, INC

Commerce City Lab
10411 Heinz Way
Commerce City CO 80640

Lakewood Service Center
610 Garrison Street, Unit E
Lakewood CO 80215

Phone: 303-659-2313

www.coloradolab.com

Report To Information	Bill To Information (If different from report to)	Project Name / Number
Company Name: Semocor Inc.	Company Name: Semocor Inc	Nancy's well
Contact Name: Will	Contact Name:	
Address: ~~PO~~ 3955 S Castlewood Cmyard	Address:	Task Number (Lab Use Only)
City Castle Rock State CO Zip 80104	City State Zip	CAL Task 250228053 KES
Phone: (720) 691-2253	Phone:	
Email: will semocor@hotmail.com	Email:	
Sample Collector: Wyatt S		
Sample Collector Phone: 720-917-9899	PO No.:	

Sample Matrix (Select One Only)			Tests Requested
Waste Water ☐	Soil ☐	Drinking Water ☒	
Ground Water ☐	Sludge ☐		
Surface Water ☐			

Date	Time	Sample ID	No. of Containers	Grab or (Check One Only) Composite	Cyanide Total	Aluminum	Iron	Manganese	Silver	Sulfate	Zinc	Total Coliform
2/28/25	9:15	Nancy's Well	5	X	X	X	X	X	X	X	X	X

Instructions: non-compliance per customer

C/S Info:

Deliver Via: IT

C/S Charge ☐

Seals Present Yes ☐ No ☑

Temp: 7.7 °C/Ice Y

Sample Pres. Yes ☐ No ☐

Relinquished By:	Date/Time:	Received By:	Date/Time:	Relinquished By:	Date/Time:	Received By:	Date/Time:
	2/28/25						2/28/25

Hazen Research, Inc.
4601 Indiana Street
Golden, CO 80403 USA
Tel: (303) 279-4501
Fax: (303) 278-1528

Lab Control ID: 23H02833
Received: Oct 17, 2023
Reported: Nov 28, 2023
Purchase Order No.
None Received

Customer ID: 05377Z
Account ID: Z01034

Rebecca Manzanares
Colorado Analytical Laboratories, Inc.
10411 Heinz Way
Commerce City, CO 80640

ANALYTICAL REPORT

By: Roxanne Sullivan
Roxanne Sullivan
Analytical Laboratories Director

Hazen Research, Inc.
4601 Indiana Street
Golden, CO 80403 USA
Tel: (303) 279-4501
Fax: (303) 278-1528

Lab Control ID: 23H02833
Received: Oct 17, 2023
Reported: Nov 28, 2023
Purchase Order No.
None Received

Customer ID: 05377Z
Account ID: Z01034

ANALYTICAL REPORT

Rebecca Manzanares
Colorado Analytical Laboratories, Inc.

Lab Sample ID	23H02833-001						
Customer Sample ID	**231012131-01B** - Nancys Well - 001 sampled on 10/12/23 @ 0800						
Parameter	**Units**	**Code**	Result	Precision* +/-	Detection Limit	Method	Analysis Date / Time	Analyst
Gross Alpha	**pCi/L**	**T**	<0.1	3.3	0.1	SM 7110 B	11/09/23 @ 0915	JR
Gross Beta	**pCi/L**	**T**	<3.4	2.8	3.4	SM 7110 B	11/09/23 @ 0915	JR

Lab Sample ID	23H02833-002						
Customer Sample ID	**231012131-01C** - Nancys Well - 001 sampled on 10/12/23 @ 0800						
Parameter	**Units**	**Code**	Result	Precision* +/-	Detection Limit	Method	Analysis Date / Time	Analyst
Radium-226	**pCi/L**	**T**	<0.2	0.1	0.2	SM 7500-Ra B	11/16/23 @ 1007	KT
Radium-228	**pCi/L**	**T**	<0.2	0.8	0.2	EPA pg.19	11/13/23 @ 1344	JR

Certification ID's: CO/EPA CO00008

*Variability of the radioactive decay process (counting error) at the 95% confidence level, 1.96 sigma.

Codes: (T) = Total (D) = Dissolved (S) = Suspended (R) = Replicate Sample (AR) = As Received < = Less Than

HAZEN RESEARCH, INC.
RADIOCHEMISTRY LABORATORY Date: 11/09/2023

Batch QC Summary Form

Analyte: Gross Alpha

Control Standard/LFB: ID: C11a-004 pCi/mL: 57.1 (use 1 diluted)

Spike Solution: ID: C11a-004 pCi/mL: 57.1 (use 1 mL)

Spike Recovery Calculation: Sample: TAP

$$\text{Calculation: } \frac{(65.2)\ (1.000) - (0.0)\ (0.200)}{57.1} \times 100 = 114\%$$

Batch QC Evaluation:

Parameter	Criteria	Pass	Fail	N/A
Control Std./LFB	+/- 30 %	x		
Spike Recovery	70 - 130 %	x		
Blank	< or = 3 x Uncertainty	x		
Duplicate 1	95% confidence interval overlap	x		
Duplicate 2 *	95% confidence interval overlap	x		

* Required for batch size greater than 10 samples.

Conclusions:

x Batch QC Passes**
_____ Batch QC Fails
_____ Batch QC Passes, with exceptions**:

Reruns Required: _____

Narrative:

**All QC data provided in this section of the report met the acceptance criteria specified in the analytical methods and procedures. State Maximum Contamination Levels (MCLs) are not evaluted in this report.

Batch Listing by Lab Control Number:

23H02797	23H02856
23H02814	
23H02816	
23H02817	
23H02818	
23H02819	
23H02824	
23H02833	
23H02834	
23H02851	

Evaluator: Roxanne Sullivan

11/13/2023
Date

HAZEN RESEARCH, INC.
RADIOCHEMISTRY LABORATORY Date: 11/09/2023

Batch QC Summary Form

Analyte: Gross Beta

Control Standard/LFB: ID: C11a-004 pCi/mL: 44 (use 1 diluted)

Spike Solution: ID: C11a-004 pCi/mL: 44 (use 1 mL)

Spike Recovery Calculation: Sample: TAP

$$\text{Calculation: } \frac{(42.4)\ (1.000) - (0.0)\ (0.200)}{44} \times 100 = 96.4\%$$

Batch QC Evaluation:

Parameter	Criteria	Pass	Fail	N/A
Control Std./LFB	+/- 20 %	x		
Spike Recovery	80 - 120 %	x		
Blank	< or = 3 x Uncertainty	x		
Duplicate 1	95% confidence interval overlap	x		
Duplicate 2 *	95% confidence interval overlap	x		

* Required for batch size greater than 10 samples.

Conclusions:

x Batch QC Passes**
_____ Batch QC Fails
_____ Batch QC Passes, with exceptions**:

Reruns Required: _____

Narrative:

**All QC data provided in this section of the report met the acceptance criteria specified in the analytical methods and procedures. State Maximum Contamination Levels (MCLs) are not evaluted in this report.

Batch Listing by Lab Control Number:

23H02797	23H02856
23H02814	
23H02816	
23H02817	
23H02818	
23H02819	
23H02824	
23H02833	
23H02834	
23H02851	

Evaluator: Roxanne Sullivan

11/13/2023
Date

HAZEN RESEARCH, INC.
RADIOCHEMISTRY LABORATORY Date: 11/16/2023

Batch QC Summary Form

Analyte: Radium-226

Control Standard/LFB: ID: C73-002 pCi/mL: 21.1 (use 2 diluted)

Spike Solution: ID: C73-002 pCi/mL: 21.1 (use 2 mL)

Spike Recovery Calculation: Sample: 23H02949-02b

$$\text{Calculation: } \frac{(41.5)\ (1.000) - (0.0)\ (1.000)}{42.2} \times 100 = 98\%$$

Batch QC Evaluation:

Parameter	Criteria	Pass	Fail	N/A
Control Std./LFB	+/- 20 %	x		
Spike Recovery	80 - 120 %	x		
Blank	< or = 3 x Uncertainty	x		
Duplicate 1	95% confidence interval overlap	x		
Duplicate 2 *	95% confidence interval overlap			x

* Required for batch size greater than 10 samples.

Conclusions:

x Batch QC Passes**
_____ Batch QC Fails
_____ Batch QC Passes, with exceptions**:

Reruns Required: _____

Narrative:

**All QC data provided in this section of the report met the acceptance criteria specified in the analytical methods and procedures. State Maximum Contamination Levels (MCLs) are not evaluted in this report.

Batch Listing by Lab Control Number:

23H02817	
23H02829	
23H02833	
23H02835	
23H02836	
23H02845	
23H02949	

Evaluator: Roxanne Sullivan

11/28/2023
Date

HAZEN RESEARCH, INC.
RADIOCHEMISTRY LABORATORY Date: 11/13/2023

Batch QC Summary Form

Analyte: Radium-228

Control Standard/LFB: ID: C6-006 pCi/mL: 14.7 (use 5 diluted)

Spike Solution: ID: C6-006 pCi/mL: 14.7 (use 5 mL)

Spike Recovery Calculation: Sample: 23H02851-002a

$$\text{Calculation: } \frac{(64.1)\ (1.000) - (0.5)\ (1.000)}{73.5} \times 100 = 86.5\%$$

Batch QC Evaluation:

Parameter	Criteria	Pass	Fail	N/A
Control Std./LFB	+/- 20 %	x		
Spike Recovery	80 - 120 %	x		
Blank	< or = 3 x Uncertainty	x		
Duplicate 1	95% confidence interval overlap	x		
Duplicate 2 *	95% confidence interval overlap	x		

* Required for batch size greater than 10 samples.

Conclusions:

x Batch QC Passes**
_____ Batch QC Fails
_____ Batch QC Passes, with exceptions**:

Reruns Required: _____

Narrative:

**All QC data provided in this section of the report met the acceptance criteria specified in the analytical methods and procedures. State Maximum Contamination Levels (MCLs) are not evaluted in this report.

Batch Listing by Lab Control Number:

23H02819	
23H02823	
23H02824	
23H02829	
23H02831	
23H02833	
23H02845	
23H02846	

Evaluator:

Nicholas Philpot

11/28/2023
Date

23H 02833

Colorado Analytical LABORATORIES, INC.

Ship To: [illegible]rch
Preserved: (Y) / N
HNO3 Lot #: 20210414l2
Date Preserved: 10|12|23

Report To Information	Bill To Information: (If different from report to)	Project Name
Company Name: Colorado Analytical Laboratory Report To: Rebecca Manzanares E-Mail: rebeccamanzanares@coloradolab.com		Nancys Well
Address: 10411 Heinz Way Commerce City, CO 80640 Phone: 303-659-2313	**Address:** CAL TASK 231012131 SBM	Compliance Samples: Yes ☐ No ☑ Submit Data to CDPHE: Yes ☐ No ☑

Tests Requested

Sample Date/Time	Sample ID	Matrix	Radium 226 (Sub)	Gross Alpha/Beta (Sub)	Radium 228 (Sub)	Container Type
10/12/23 8:00 AM	231012131-01B - 001	Water - Drinking		X		1L - ~~Unpreserved~~
10/12/23 8:00 AM	231012131-01C - 001	Water - Drinking	X		X	4 - 1L - ~~Unpreserved~~

>HNO3

Comment:

pH < 2 10/17/16:05

Relinquished by: (Signature)	Date: Time:	Received by: (Signature)	Date: Time:	Relinquished by: (Signature)	Date: Time:	Received by: (Signature)	Date: Time:
A. Foltz	10/16/23 1000					SM	10/17/23 16:05

Colorado Analytical LABORATORIES, INC.

Analytical Results

TASK NO: 231012131

Report To: Will Parker
Company: Semocor Inc.
3995 South Castlewood Canyon
Castle Rock CO 80104

Bill To: Accounts Payable
Company: Semocor Inc.
3995 South Castlewood Canyon
Castle Rock CO 80104

Task No.: 231012131
Client PO: Nancys Well
Client Project: Nancys Well

Date Received: 10/12/23
Date Reported: 11/29/23
Matrix: Water - Drinking

Customer Sample ID 001
Sample Date/Time: 10/12/23 8:00 AM
Lab Number: 231012131-01

Test	Result	Method	RL	Date Analyzed	QC Batch ID	Analyzed By
Bicarbonate	**166.4 mg/L as CaCO3**	SM 2320-B	0.2 mg/L as CaCO3	10/16/23	-	JCB
Calcium as CaCO3	**5.0 mg/L**	EPA 200.7	0.1 mg/L	10/16/23	-	MAT
Carbonate	**27.7 mg/L as CaCO3**	SM 2320-B	0.2 mg/L as CaCO3	10/16/23	-	JCB
Hydroxide	**ND mg/L as CaCO3**	SM 2320-B	0.2 mg/L as CaCO3	10/16/23	-	JCB
Langelier Index	**0.22 units**	SM 2330-B	units	10/18/23	-	SAN
pH	**9.07 units**	SM 4500-H-B	0.01 units	10/13/23	-	AKF
Temperature	**20 °C**	SM 4500-H-B	1 °C	10/13/23	-	AKF
Total Alkalinity	**194.0 mg/L as CaCO3**	SM 2320-B	4.0 mg/L as CaCO3	10/16/23	QC68694	JCB
Total Dissolved Solids	**384 mg/L**	SM 2540-C	5 mg/L	10/17/23	QC68656	ISG

Abbreviations/ References:

RL = Reporting Limit = Minimum Level
mg/L = Milligrams Per Liter or PPM
ug/L = Micrograms Per Liter or PPB
mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed

(d) RPD acceptable due to low duplicate and sample concentrations.
(s) Spike amount low relative to the sample amount.
ND = Not Detected at Reporting Limit.

Colorado Analytical LABORATORIES, INC.

Analytical QC Summary

TASK NO: 231012131

Report To: Will Parker
Company: Semocor Inc.

Receive Date: 10/12/23
Project Name: Nancys Well

Test	QC Batch ID	QC Type	Result	Method	Prep Date
Total Alkalinity	QC68694	Blank	ND	SM 2320-B	10/17/23
Total Dissolved Solids	QC68656	Blank	ND	SM 2540-C	10/16/23

Test	QC Batch ID	QC Type	Limits	% Rec	RPD	Method
Total Alkalinity	QC68694	Duplicate	0 - 20	-	2.0	SM 2320-B
		LCS	90 - 110	104.6	-	
		LCS-2	90 - 110	99.0	-	
Total Dissolved Solids	QC68656	Duplicate	0 - 10	-	2.7	SM 2540-C
		LCS	85 - 115	103.1	-	

All analyses were performed in accordance with approved methods under the latest revision to 40 CFR Part 136 unless otherwise identified. Based on my inquiry of the person or persons directly responsible for analyzing the wastewater samples and generating the report (s), the analyses, report, and information submitted are, to the best of my knowledge and belief, true, accurate, and complete.

DATA APPROVED FOR RELEASE BY

Abbreviations/ References:

RL = Reporting Limit = Minimum Level
mg/L = Milligrams Per Liter or PPM
ug/L = Micrograms Per Liter or PPB
mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed

(d) RPD acceptable due to low duplicate and sample concentrations.
(s) Spike amount low relative to the sample amount.
ND = Not Detected at Reporting Limit.

Drinking Water Chain of Custody

Colorado Analytical LABORATORIES, INC.

Commerce City Lab
10411 Heinz Way
Commerce City CO 80640

Lakewood Service Center
12860 W. Cedar Dr, Suite 100A
Lakewood CO 80228

Phone: 303-659-2313

www.coloradolab.com

Report To Information	**Bill To Information** (If different from report to)	**Project Information**
Company Name: Semocor Inc.	**Company Name:** Semocor Inc.	**PWSID:** S.P. (special purpose)
Contact Name: Will S. Parker	**Contact Name:** Will S. Parker	**System Name:** ~~BOREH~~ NANCYS WELL
Address: D3995 S. Castlewood Canyon Road	**Address:** 3995 S. Castlewood Canyon Road	**Compliance Samples:** Yes ☐ No ☒
City: Castle Rock **State:** CO **Zip:** 80104	**City:** Castle Rock **State:** CO **Zip:** 80104	**Send Results to CDPHE:** Yes ☐ No ☒
Phone:303-681-2253	**Phone:**303-681-2253	**Task Number** (Lab Use Only) CAL Task 231012131 SBM
Email:willsemocor@hotmail.com	**Email:**willsemocor@hotmail.com	
Sample Collector: Mark Dufrenne		
Sample Collector Phone: 303-319-6244	**PO Number:**	

Date	Time	Client Sample ID / Sample Pt ID	No. of Containers	Residual Chlorine (mg/L) P/A Samples Only	PHASE I, II, V Drinking Water Analyses (check requested analysis)																				Subcontract Analyses				
					Total Coliform P/A	504.1 EDB/DBCP	505 Pests/PCBs	515.4 Herbicides	524.2 VOCs	525.2 SOCs-Pest	531.1 Carbamates	~~547 Glyphosate~~	548.1 Endothall	549.2 Diquat	524.2 TTHMs	552.2 HAA5s	Lead/Copper	Nitrate	Nitrite	Fluoride	Inorganics	Alky. Eng. Index (Circle)	TOC, DOC (Circle)	SUVA, UV 254 (Circle)		Gross Alpha/Beta	Radium 226/228	~~Radon~~	Uranium	Chloride ?
10/12/23	8:00 AM	001	26	–	☐	☒	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☒	☒	☒	☒	☒	☒	☐	☐	☒	☒	☒	☒	☒
		TB + FB received-SBM																											
		[redacted]																											

Instructions: Special Purpose Radon not received-SBM
547 NOT RCV'D
NO CHLORITE BOTTLE RCV'D → Chloride instead per Ryker

C/S Info:

Delivered Via: C/S Charge ☐

Seals Present Yes ☐ No ☐ Headspace Yes ☐ No ☐

Temp. 0.8 °C /Ice Y Sample Pres. Yes ☐ No ☐

Relinquished By:	Date/Time:	Received By:	Date/Time:	Relinquished By:	Date/Time:	Received By:	Date/Time:
	10/12/23		10/12/23		10/13/23		10/13/23 1546

Colorado Analytical LABORATORIES, INC.

Analytical Results

TASK NO: 231012131

Report To: Will Parker
Company: Semocor Inc.
3995 South Castlewood Canyon
Castle Rock CO 80104

Bill To: Accounts Payable
Company: Semocor Inc.
3995 South Castlewood Canyon
Castle Rock CO 80104

Task No.: 231012131
Client PO: Nancys Well
Client Project: Nancys Well

Date Received: 10/12/23
Date Reported: 11/29/23
Matrix: Water - Drinking

Customer Sample ID 001
Sample Date/Time: 10/12/23 8:00 AM
Lab Number: 231012131-01

Test	Result	Method	RL	MCL	Date Analyzed	QC Batch ID	Analyzed By
Chloride	**12.6 mg/L**	EPA 300.0	0.1 mg/L		10/13/23	QC68662	NRP
Fluoride	**0.66 mg/L**	EPA 300.0	0.10 mg/L	4	10/13/23	QC68663	NRP
Nitrate Nitrogen	**ND mg/L**	EPA 300.0	0.05 mg/L	10	10/13/23	QC68664	NRP
Nitrite Nitrogen	**ND mg/L**	EPA 300.0	0.03 mg/L	1	10/13/23	QC68665	NRP
Dibromochloropropane	**ND ug/L**	EPA 504.1	0.02 ug/L	0.2	10/18/23	QC68693	MBS
Ethylene dibromide	**ND ug/L**	EPA 504.1	0.01 ug/L	0.05	10/18/23	QC68693	MBS
Aldrin	**ND ug/L**	EPA 505	0.05 ug/L		10/18/23	QC68695	MBS
Chlordane	**ND ug/L**	EPA 505	0.2 ug/L	2	10/18/23	QC68695	MBS
Dieldrin	**ND ug/L**	EPA 505	0.05 ug/L		10/18/23	QC68695	MBS
Endrin	**ND ug/L**	EPA 505	0.01 ug/L	2	10/18/23	QC68695	MBS
Heptachlor epoxide	**ND ug/L**	EPA 505	0.02 ug/L	0.2	10/18/23	QC68695	MBS
Hexachlorobenzene	**ND ug/L**	EPA 505	0.1 ug/L	1	10/18/23	QC68695	MBS
Hexachlorocyclopentadiene	**ND ug/L**	EPA 505	0.1 ug/L	50	10/18/23	QC68695	MBS
Lindane	**ND ug/L**	EPA 505	0.02 ug/L	0.2	10/18/23	QC68695	MBS
Methoxychlor	**ND ug/L**	EPA 505	0.1 ug/L	40	10/18/23	QC68695	MBS
Polychlorinated biphenyl's	**ND ug/L**	EPA 505	0.1 ug/L	0.5	10/18/23	QC68695	MBS
Toxaphene	**ND ug/L**	EPA 505	1 ug/L	3	10/18/23	QC68695	MBS
2,4,5-TP	**ND ug/L**	EPA 515.4	0.2 ug/L	50	10/20/23	QC68744	MBS
2,4,-D	**ND ug/L**	EPA 515.4	0.1 ug/L	70	10/20/23	QC68744	MBS
Dalapon	**ND ug/L**	EPA 515.4	1.0 ug/L	200	10/20/23	QC68744	MBS
Dicamba	**ND ug/L**	EPA 515.4	0.5 ug/L		10/20/23	QC68744	MBS

Abbreviations/ References:

RL = Reporting Limit = Minimum Level
mg/L = Milligrams Per Liter or PPM
ug/L = Micrograms Per Liter or PPB
mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed

(d) RPD acceptable due to low duplicate and sample concentrations.
(s) The accuracy of the spike recovery value is reduced due to the analyte concentration in the sample being disproportionate to the spike level. The laboratory control sample recovery was acceptable

MCL = Maximum contaminant level per the EPA
ND = Not Detected at Reporting Limit.

Colorado Analytical LABORATORIES, INC.

Analytical Results

TASK NO: 231012131

Report To: Will Parker
Company: Semocor Inc.
3995 South Castlewood Canyon
Castle Rock CO 80104

Bill To: Accounts Payable
Company: Semocor Inc.
3995 South Castlewood Canyon
Castle Rock CO 80104

Task No.: 231012131
Client PO: Nancys Well
Client Project: Nancys Well

Date Received: 10/12/23
Date Reported: 11/29/23
Matrix: Water - Drinking

Customer Sample ID 001
Sample Date/Time: 10/12/23 8:00 AM
Lab Number: 231012131-01

Test	Result	Method	RL	MCL	Date Analyzed	QC Batch ID	Analyzed By
Dinoseb	ND ug/L	EPA 515.4	0.2 ug/L	7	10/20/23	QC68744	MBS
Pentachlorophenol	ND ug/L	EPA 515.4	0.04 ug/L	1	10/20/23	QC68744	MBS
Picloram	ND ug/L	EPA 515.4	0.1 ug/L	500	10/20/23	QC68744	MBS
Alachlor	ND ug/L	EPA 525.2	0.2 ug/L	2	10/25/23	QC68856	MBS
Atrazine	ND ug/L	EPA 525.2	0.1 ug/L	3	10/25/23	QC68856	MBS
Benzo(a)pyrene	ND ug/L	EPA 525.2	0.02 ug/L	0.2	10/25/23	QC68856	MBS
Butachlor	ND ug/L	EPA 525.2	0.25 ug/L		10/25/23	QC68856	MBS
Di(2-ethylhexyl)adipate	ND ug/L	EPA 525.2	0.6 ug/L	400	10/25/23	QC68856	MBS
Di(2-ethylhexyl)phthalate	ND ug/L	EPA 525.2	0.6 ug/L	6	10/25/23	QC68856	MBS
Heptachlor	ND ug/L	EPA 525.2	0.04 ug/L	0.4	10/25/23	QC68856	MBS
Metolachlor	ND ug/L	EPA 525.2	0.25 ug/L		10/25/23	QC68856	MBS
Metribuzin	ND ug/L	EPA 525.2	0.25 ug/L		10/25/23	QC68856	MBS
Propachlor	ND ug/L	EPA 525.2	0.25 ug/L		10/25/23	QC68856	MBS
Simazine	ND ug/L	EPA 525.2	0.07 ug/L	4	10/25/23	QC68856	MBS
3-Hydroxycarbofuran	ND ug/L	EPA 531.1	0.5 ug/L		10/18/23	QC68673	MLT
Aldicarb	ND ug/L	EPA 531.1	0.6 ug/L		10/18/23	QC68673	MLT
Aldicarb sulfone	ND ug/L	EPA 531.1	1.0 ug/L		10/18/23	QC68673	MLT
Aldicarb sulfoxide	ND ug/L	EPA 531.1	0.7 ug/L		10/18/23	QC68673	MLT
Carbaryl	ND ug/L	EPA 531.1	0.5 ug/L		10/18/23	QC68673	MLT
Carbofuran	ND ug/L	EPA 531.1	0.9 ug/L	40	10/18/23	QC68673	MLT
Methomyl	ND ug/L	EPA 531.1	0.5 ug/L		10/18/23	QC68673	MLT
Oxamyl	ND ug/L	EPA 531.1	1.0 ug/L	200	10/18/23	QC68673	MLT

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ug/L = Micrograms Per Liter or PPB
mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed

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ND = Not Detected at Reporting Limit.

Colorado Analytical LABORATORIES, INC.

Analytical Results

TASK NO: 231012131

Report To: Will Parker
Company: Semocor Inc.
3995 South Castlewood Canyon
Castle Rock CO 80104

Bill To: Accounts Payable
Company: Semocor Inc.
3995 South Castlewood Canyon
Castle Rock CO 80104

Task No.: 231012131
Client PO: Nancys Well
Client Project: Nancys Well

Date Received: 10/12/23
Date Reported: 11/29/23
Matrix: Water - Drinking

Customer Sample ID 001
Sample Date/Time: 10/12/23 8:00 AM
Lab Number: 231012131-01

Test	Result	Method	RL	MCL	Date Analyzed	QC Batch ID	Analyzed By
Endothall	ND ug/L	EPA 548.1	9 ug/L	100	10/17/23	QC68622	MBS
Diquat	ND ug/L	EPA 549.2	0.4 ug/L	20	10/16/23	QC68630	MLT
1,1,1,2-Tetrachloroethane	ND ug/L	EPA-524.2	0.5 ug/L		10/19/23	QC68748	SPF
1,1,1-Trichloroethane	ND ug/L	EPA-524.2	0.5 ug/L	200	10/19/23	QC68748	SPF
1,1,2,2-Tetrachloroethane	ND ug/L	EPA-524.2	0.5 ug/L		10/19/23	QC68748	SPF
1,1,2-Trichloroethane	ND ug/L	EPA-524.2	0.5 ug/L	5	10/19/23	QC68748	SPF
1,1-Dichloroethane	ND ug/L	EPA-524.2	0.5 ug/L		10/19/23	QC68748	SPF
1,1-Dichloroethylene	ND ug/L	EPA-524.2	0.5 ug/L	7	10/19/23	QC68748	SPF
1,1-Dichloropropene	ND ug/L	EPA-524.2	0.5 ug/L		10/19/23	QC68748	SPF
1,2,3-Trichlorobenzene	ND ug/L	EPA-524.2	0.5 ug/L		10/19/23	QC68748	SPF
1,2,3-Trichloropropane	ND ug/L	EPA-524.2	0.5 ug/L		10/19/23	QC68748	SPF
1,2,4-Trichlorobenzene	ND ug/L	EPA-524.2	0.5 ug/L	70	10/19/23	QC68748	SPF
1,2,4-Trimethylbenzene	ND ug/L	EPA-524.2	0.5 ug/L		10/19/23	QC68748	SPF
1,2-Dichloroethane	ND ug/L	EPA-524.2	0.5 ug/L	5	10/19/23	QC68748	SPF
1,2-Dichloropropane	ND ug/L	EPA-524.2	0.5 ug/L	5	10/19/23	QC68748	SPF
1,3,5-Trimethylbenzene	ND ug/L	EPA-524.2	0.5 ug/L		10/19/23	QC68748	SPF
1,3-Dichloropropane	ND ug/L	EPA-524.2	0.5 ug/L		10/19/23	QC68748	SPF
1,3-Dichloropropene	ND ug/L	EPA-524.2	0.5 ug/L		10/19/23	QC68748	SPF
Benzene	ND ug/L	EPA-524.2	0.5 ug/L	5	10/19/23	QC68748	SPF
Bromobenzene	ND ug/L	EPA-524.2	0.5 ug/L		10/19/23	QC68748	SPF
Bromochloromethane	ND ug/L	EPA-524.2	0.5 ug/L		10/19/23	QC68748	SPF
Bromodichloromethane	ND ug/L	EPA-524.2	0.5 ug/L		10/19/23	QC68748	SPF

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Date Analyzed = Date Test Completed

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MCL = Maximum contaminant level per the EPA
ND = Not Detected at Reporting Limit.

Colorado Analytical LABORATORIES, INC.

Analytical Results

TASK NO: 231012131

Report To: Will Parker
Company: Semocor Inc.
3995 South Castlewood Canyon
Castle Rock CO 80104

Bill To: Accounts Payable
Company: Semocor Inc.
3995 South Castlewood Canyon
Castle Rock CO 80104

Task No.: 231012131
Client PO: Nancys Well
Client Project: Nancys Well

Date Received: 10/12/23
Date Reported: 11/29/23
Matrix: Water - Drinking

Customer Sample ID 001
Sample Date/Time: 10/12/23 8:00 AM
Lab Number: 231012131-01

Test	Result	Method	RL	MCL	Date Analyzed	QC Batch ID	Analyzed By
Bromoform	ND ug/L	EPA-524.2	0.5 ug/L		10/19/23	QC68748	SPF
Bromomethane	ND ug/L	EPA-524.2	0.5 ug/L		10/19/23	QC68748	SPF
Carbon Tetrachloride	ND ug/L	EPA-524.2	0.5 ug/L	5	10/19/23	QC68748	SPF
Chlorodibromomethane	ND ug/L	EPA-524.2	0.5 ug/L		10/19/23	QC68748	SPF
Chloroethane	ND ug/L	EPA-524.2	0.5 ug/L		10/19/23	QC68748	SPF
Chloroform	ND ug/L	EPA-524.2	0.5 ug/L		10/19/23	QC68748	SPF
Chloromethane	ND ug/L	EPA-524.2	0.5 ug/L		10/19/23	QC68748	SPF
cis-1,2-Dichloroethylene	ND ug/L	EPA-524.2	0.5 ug/L	70	10/19/23	QC68748	SPF
Dibromomethane	ND ug/L	EPA-524.2	0.5 ug/L		10/19/23	QC68748	SPF
Dichlorodifluoromethane	ND ug/L	EPA-524.2	0.5 ug/L		10/19/23	QC68748	SPF
Dichloromethane	ND ug/L	EPA-524.2	0.5 ug/L	5	10/19/23	QC68748	SPF
Ethylbenzene	ND ug/L	EPA-524.2	0.5 ug/L	700	10/19/23	QC68748	SPF
Fluorotrichloromethane	ND ug/L	EPA-524.2	0.5 ug/L		10/19/23	QC68748	SPF
Hexachlorobutadiene	ND ug/L	EPA-524.2	0.5 ug/L		10/19/23	QC68748	SPF
Isopropylbenzene	ND ug/L	EPA-524.2	0.5 ug/L		10/19/23	QC68748	SPF
m-Dichlorobenzene	ND ug/L	EPA-524.2	0.5 ug/L		10/19/23	QC68748	SPF
Monochlorobenzene	ND ug/L	EPA-524.2	0.5 ug/L	100	10/19/23	QC68748	SPF
Naphthalene	ND ug/L	EPA-524.2	0.5 ug/L		10/19/23	QC68748	SPF
n-Butylbenzene	ND ug/L	EPA-524.2	0.5 ug/L		10/19/23	QC68748	SPF
n-Propylbenzene	ND ug/L	EPA-524.2	0.5 ug/L		10/19/23	QC68748	SPF
o-Chlorotoluene	ND ug/L	EPA-524.2	0.5 ug/L		10/19/23	QC68748	SPF
o-Dichlorobenzene	ND ug/L	EPA-524.2	0.5 ug/L	600	10/19/23	QC68748	SPF
Para-Dichlorobenzene	ND ug/L	EPA-524.2	0.5 ug/L	75	10/19/23	QC68748	SPF

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Date Analyzed = Date Test Completed

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(s) The accuracy of the spike recovery value is reduced due to the analyte concentration in the sample being disproportionate to the spike level. The laboratory control sample recovery was acceptable

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Colorado Analytical LABORATORIES, INC.

Analytical Results

TASK NO: 231012131

Report To: Will Parker
Company: Semocor Inc.
3995 South Castlewood Canyon
Castle Rock CO 80104

Bill To: Accounts Payable
Company: Semocor Inc.
3995 South Castlewood Canyon
Castle Rock CO 80104

Task No.: 231012131
Client PO: Nancys Well
Client Project: Nancys Well

Date Received: 10/12/23
Date Reported: 11/29/23
Matrix: Water - Drinking

Customer Sample ID 001
Sample Date/Time: 10/12/23 8:00 AM
Lab Number: 231012131-01

Test	Result	Method	RL	MCL	Date Analyzed	QC Batch ID	Analyzed By
p-Chlorotoluene	**ND ug/L**	EPA-524.2	0.5 ug/L		10/19/23	QC68748	SPF
p-Isopropyltoluene	**ND ug/L**	EPA-524.2	0.5 ug/L		10/19/23	QC68748	SPF
sec-Butylbenzene	**ND ug/L**	EPA-524.2	0.5 ug/L		10/19/23	QC68748	SPF
Styrene	**ND ug/L**	EPA-524.2	0.5 ug/L	100	10/19/23	QC68748	SPF
tert-Butylbenzene	**ND ug/L**	EPA-524.2	0.5 ug/L		10/19/23	QC68748	SPF
Tetrachloroethylene	**ND ug/L**	EPA-524.2	0.5 ug/L	5	10/19/23	QC68748	SPF
Toluene	**ND ug/L**	EPA-524.2	0.5 ug/L	1000	10/19/23	QC68748	SPF
Total Trihalomethanes	**ND ug/L**	EPA-524.2	0.5 ug/L	80	10/19/23	QC68748	SPF
trans-1,2-Dichloroethylene	**ND ug/L**	EPA-524.2	0.5 ug/L	100	10/19/23	QC68748	SPF
Trichloroethylene	**ND ug/L**	EPA-524.2	0.5 ug/L	5	10/19/23	QC68748	SPF
Vinyl chloride	**ND ug/L**	EPA-524.2	0.5 ug/L	2	10/19/23	QC68748	SPF
Xylenes (total)	**ND ug/L**	EPA-524.2	0.5 ug/L	10000	10/19/23	QC68748	SPF
Dissolved Organic Carbon	**0.6 mg/L**	SM 5310-C	0.5 mg/L		10/17/23	QC68675	ISG
Total Organic Carbon	**0.7 mg/L**	SM 5310-C	0.5 mg/L		10/17/23	QC68674	ISG
Total							
Sodium	**140.2 mg/L**	EPA 200.7	0.1 mg/L	N/A	10/16/23	-	MAT
Antimony	**ND mg/L**	EPA 200.8	0.001 mg/L	0.006	10/20/23	QC68792	MBN
Arsenic	**0.001 mg/L**	EPA 200.8	0.001 mg/L	0.01	10/20/23	QC68792	MBN
Barium	**0.008 mg/L**	EPA 200.8	0.001 mg/L	2	10/20/23	QC68792	MBN
Beryllium	**ND mg/L**	EPA 200.8	0.001 mg/L	0.004	10/20/23	QC68792	MBN
Cadmium	**ND mg/L**	EPA 200.8	0.001 mg/L	0.005	10/20/23	QC68792	MBN

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Colorado Analytical LABORATORIES, INC.

Analytical Results

TASK NO: 231012131

Report To: Will Parker
Company: Semocor Inc.
3995 South Castlewood Canyon
Castle Rock CO 80104

Bill To: Accounts Payable
Company: Semocor Inc.
3995 South Castlewood Canyon
Castle Rock CO 80104

Task No.: 231012131
Client PO: Nancys Well
Client Project: Nancys Well

Date Received: 10/12/23
Date Reported: 11/29/23
Matrix: Water - Drinking

Customer Sample ID 001
Sample Date/Time: 10/12/23 8:00 AM
Lab Number: 231012131-01

Test	Result	Method	RL	MCL	Date Analyzed	QC Batch ID	Analyzed By
Total							
Chromium	**0.003 mg/L**	EPA 200.8	0.001 mg/L	0.1	10/20/23	QC68792	MBN
Mercury	**ND mg/L**	EPA 200.8	0.0001 mg/L	0.002	10/20/23	QC68792	MBN
Nickel	**0.003 mg/L**	EPA 200.8	0.001 mg/L	N/A	10/20/23	QC68792	MBN
Selenium	**0.002 mg/L**	EPA 200.8	0.001 mg/L	0.05	10/20/23	QC68792	MBN
Thallium	**ND mg/L**	EPA 200.8	0.001 mg/L	0.002	10/20/23	QC68792	MBN
Uranium	**ND mg/L**	EPA 200.8	0.0002 mg/L	0.03	10/18/23	QC68720	MBN

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ND = Not Detected at Reporting Limit.

Colorado Analytical LABORATORIES, INC.

Analytical QC Summary

TASK NO: 231012131

Report To: Will Parker
Company: Semocor Inc.

Receive Date: 10/12/23
Project Name: Nancys Well

Test	QC Batch ID	QC Type	Result	Method	Prep Date
Dibromochloropropane	QC68693	Method Blank	ND	EPA 504.1	10/17/23
Ethylene dibromide	QC68693	Method Blank	ND	EPA 504.1	10/17/23
Aldrin	QC68695	Method Blank	ND	EPA 505	10/17/23
Chlordane	QC68695	Method Blank	ND	EPA 505	10/17/23
Dieldrin	QC68695	Method Blank	ND	EPA 505	10/17/23
Endrin	QC68695	Method Blank	ND	EPA 505	10/17/23
Heptachlor epoxide	QC68695	Method Blank	ND	EPA 505	10/17/23
Hexachlorobenzene	QC68695	Method Blank	ND	EPA 505	10/17/23
Hexachlorocyclopentadiene	QC68695	Method Blank	ND	EPA 505	10/17/23
Lindane	QC68695	Method Blank	ND	EPA 505	10/17/23
Methoxychlor	QC68695	Method Blank	ND	EPA 505	10/17/23
Polychlorinated biphenyl's	QC68695	Method Blank	ND	EPA 505	10/17/23
Toxaphene	QC68695	Method Blank	ND	EPA 505	10/17/23
2,4,5-TP	QC68744	Method Blank	ND	EPA 515.4	10/19/23
2,4,-D	QC68744	Method Blank	ND	EPA 515.4	10/19/23
Dalapon	QC68744	Method Blank	ND	EPA 515.4	10/19/23
Dicamba	QC68744	Method Blank	ND	EPA 515.4	10/19/23
Dinoseb	QC68744	Method Blank	ND	EPA 515.4	10/19/23
Pentachlorophenol	QC68744	Method Blank	ND	EPA 515.4	10/19/23
Picloram	QC68744	Method Blank	ND	EPA 515.4	10/19/23
1,1,1,2-Tetrachloroethane	QC68748	Method Blank	ND	EPA-524.2	10/19/23
1,1,1-Trichloroethane	QC68748	Method Blank	ND	EPA-524.2	10/19/23
1,1,2,2-Tetrachloroethane	QC68748	Method Blank	ND	EPA-524.2	10/19/23
1,1,2-Trichloroethane	QC68748	Method Blank	ND	EPA-524.2	10/19/23
1,1-Dichloroethane	QC68748	Method Blank	ND	EPA-524.2	10/19/23
1,1-Dichloroethylene	QC68748	Method Blank	ND	EPA-524.2	10/19/23
1,1-Dichloropropene	QC68748	Method Blank	ND	EPA-524.2	10/19/23
1,2,3-Trichlorobenzene	QC68748	Method Blank	ND	EPA-524.2	10/19/23
1,2,3-Trichloropropane	QC68748	Method Blank	ND	EPA-524.2	10/19/23
1,2,4-Trichlorobenzene	QC68748	Method Blank	ND	EPA-524.2	10/19/23
1,2,4-Trimethylbenzene	QC68748	Method Blank	ND	EPA-524.2	10/19/23
1,2-Dichloroethane	QC68748	Method Blank	ND	EPA-524.2	10/19/23
1,2-Dichloropropane	QC68748	Method Blank	ND	EPA-524.2	10/19/23
1,3,5-Trimethylbenzene	QC68748	Method Blank	ND	EPA-524.2	10/19/23
1,3-Dichloropropane	QC68748	Method Blank	ND	EPA-524.2	10/19/23
1,3-Dichloropropene	QC68748	Method Blank	ND	EPA-524.2	10/19/23
Benzene	QC68748	Method Blank	ND	EPA-524.2	10/19/23
Bromobenzene	QC68748	Method Blank	ND	EPA-524.2	10/19/23
Bromochloromethane	QC68748	Method Blank	ND	EPA-524.2	10/19/23
Bromodichloromethane	QC68748	Method Blank	ND	EPA-524.2	10/19/23
Bromoform	QC68748	Method Blank	ND	EPA-524.2	10/19/23

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Bromomethane	QC68748	Method Blank	ND	EPA-524.2	10/19/23
Carbon Tetrachloride	QC68748	Method Blank	ND	EPA-524.2	10/19/23
Chlorodibromomethane	QC68748	Method Blank	ND	EPA-524.2	10/19/23
Chloroethane	QC68748	Method Blank	ND	EPA-524.2	10/19/23
Chloroform	QC68748	Method Blank	ND	EPA-524.2	10/19/23
Chloromethane	QC68748	Method Blank	ND	EPA-524.2	10/19/23
cis-1,2-Dichloroethylene	QC68748	Method Blank	ND	EPA-524.2	10/19/23
Dibromomethane	QC68748	Method Blank	ND	EPA-524.2	10/19/23
Dichlorodifluoromethane	QC68748	Method Blank	ND	EPA-524.2	10/19/23
Dichloromethane	QC68748	Method Blank	ND	EPA-524.2	10/19/23
Ethylbenzene	QC68748	Method Blank	ND	EPA-524.2	10/19/23
Fluorotrichloromethane	QC68748	Method Blank	ND	EPA-524.2	10/19/23
Hexachlorobutadiene	QC68748	Method Blank	ND	EPA-524.2	10/19/23
Isopropylbenzene	QC68748	Method Blank	ND	EPA-524.2	10/19/23
m-Dichlorobenzene	QC68748	Method Blank	ND	EPA-524.2	10/19/23
Monochlorobenzene	QC68748	Method Blank	ND	EPA-524.2	10/19/23
Naphthalene	QC68748	Method Blank	ND	EPA-524.2	10/19/23
n-Butylbenzene	QC68748	Method Blank	ND	EPA-524.2	10/19/23
n-Propylbenzene	QC68748	Method Blank	ND	EPA-524.2	10/19/23
o-Chlorotoluene	QC68748	Method Blank	ND	EPA-524.2	10/19/23
o-Dichlorobenzene	QC68748	Method Blank	ND	EPA-524.2	10/19/23
Para-Dichlorobenzene	QC68748	Method Blank	ND	EPA-524.2	10/19/23
p-Chlorotoluene	QC68748	Method Blank	ND	EPA-524.2	10/19/23
p-Isopropyltoluene	QC68748	Method Blank	ND	EPA-524.2	10/19/23
sec-Butylbenzene	QC68748	Method Blank	ND	EPA-524.2	10/19/23
Styrene	QC68748	Method Blank	ND	EPA-524.2	10/19/23
tert-Butylbenzene	QC68748	Method Blank	ND	EPA-524.2	10/19/23
Tetrachloroethylene	QC68748	Method Blank	ND	EPA-524.2	10/19/23
Toluene	QC68748	Method Blank	ND	EPA-524.2	10/19/23
Total Trihalomethanes	QC68748	Method Blank	ND	EPA-524.2	10/19/23
trans-1,2-Dichloroethylene	QC68748	Method Blank	ND	EPA-524.2	10/19/23
Trichloroethylene	QC68748	Method Blank	ND	EPA-524.2	10/19/23
Vinyl chloride	QC68748	Method Blank	ND	EPA-524.2	10/19/23
Xylenes (total)	QC68748	Method Blank	ND	EPA-524.2	10/19/23
Alachlor	QC68856	Method Blank	ND	EPA 525.2	10/24/23
Atrazine	QC68856	Method Blank	ND	EPA 525.2	10/24/23
Benzo(a)pyrene	QC68856	Method Blank	ND	EPA 525.2	10/24/23
Butachlor	QC68856	Method Blank	ND	EPA 525.2	10/24/23
Di(2-ethylhexyl)adipate	QC68856	Method Blank	ND	EPA 525.2	10/24/23
Di(2-ethylhexyl)phthalate	QC68856	Method Blank	ND	EPA 525.2	10/24/23
Heptachlor	QC68856	Method Blank	ND	EPA 525.2	10/24/23
Metolachlor	QC68856	Method Blank	ND	EPA 525.2	10/24/23
Metribuzin	QC68856	Method Blank	ND	EPA 525.2	10/24/23
Propachlor	QC68856	Method Blank	ND	EPA 525.2	10/24/23
Simazine	QC68856	Method Blank	ND	EPA 525.2	10/24/23
3-Hydroxycarbofuran	QC68673	Method Blank	ND	EPA 531.1	10/16/23
Aldicarb	QC68673	Method Blank	ND	EPA 531.1	10/16/23
Aldicarb sulfone	QC68673	Method Blank	ND	EPA 531.1	10/16/23
Aldicarb sulfoxide	QC68673	Method Blank	ND	EPA 531.1	10/16/23
Carbaryl	QC68673	Method Blank	ND	EPA 531.1	10/16/23
Carbofuran	QC68673	Method Blank	ND	EPA 531.1	10/16/23
Methomyl	QC68673	Method Blank	ND	EPA 531.1	10/16/23

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Oxamyl	QC68673	Method Blank	ND	EPA 531.1	10/16/23
Endothall	QC68622	Method Blank	ND	EPA 548.1	10/13/23
Diquat	QC68630	Method Blank	ND	EPA 549.2	10/13/23
Chloride	QC68662	Blank	ND	EPA 300.0	10/13/23
Dissolved Organic Carbon	QC68675	Blank	ND	SM 5310-C	10/16/23
Fluoride	QC68663	Blank	ND	EPA 300.0	10/13/23
Antimony	QC68792	Method Blank	ND	EPA 200.8	10/20/23
Arsenic	QC68792	Method Blank	ND	EPA 200.8	10/20/23
Barium	QC68792	Method Blank	ND	EPA 200.8	10/20/23
Beryllium	QC68792	Method Blank	ND	EPA 200.8	10/20/23
Cadmium	QC68792	Method Blank	ND	EPA 200.8	10/20/23
Chromium	QC68792	Method Blank	ND	EPA 200.8	10/20/23
Mercury	QC68792	Method Blank	ND	EPA 200.8	10/20/23
Nickel	QC68792	Method Blank	ND	EPA 200.8	10/20/23
Selenium	QC68792	Method Blank	ND	EPA 200.8	10/20/23
Thallium	QC68792	Method Blank	ND	EPA 200.8	10/20/23
Uranium	QC68720	Method Blank	ND	EPA 200.8	10/12/23
Nitrate Nitrogen	QC68664	Blank	ND	EPA 300.0	10/13/23
Nitrite Nitrogen	QC68665	Blank	ND	EPA 300.0	10/13/23
Total Organic Carbon	QC68674	Blank	ND	SM 5310-C	10/16/23

Test	QC Batch ID	QC Type	Limits	% Rec	RPD	Method
Dibromochloropropane	QC68693	LCS	70 - 130	98.8	-	EPA 504.1
		MS	65 - 135	96.8	-	
Ethylene dibromide	QC68693	LCS	70 - 130	97.2	-	EPA 504.1
		MS	65 - 135	94.0	-	
Aldrin	QC68695	LCS	70 - 130	103.6	-	EPA 505
		MS	65 - 135	101.8	-	
Chlordane	QC68695	LCS	70 - 130	0.0	-	EPA 505
	EPA 505 multicomponent analytes include: Chlordane, Toxaphene, and PCB aroclors 1016, 1221, 1232, 1242, 1248, 1254, 1260. Batch QC includes one multicomponent; continually rotating analytes. Samples with apparent patterns are confirmed prior to reporting.					
		MS	65 - 135		-	
Dieldrin	QC68695	LCS	70 - 130	105.8	-	EPA 505
		MS	65 - 135	100.2	-	
Endrin	QC68695	LCS	70 - 130	94.8	-	EPA 505
		MS	65 - 135	91.6	-	
Heptachlor epoxide	QC68695	LCS	70 - 130	100.8	-	EPA 505
		MS	65 - 135	95.8	-	
Hexachlorobenzene	QC68695	LCS	70 - 130	98.6	-	EPA 505
		MS	65 - 135	95.6	-	
Hexachlorocyclopentadiene	QC68695	LCS	70 - 130	89.8	-	EPA 505
		MS	65 - 135	88.4	-	
Lindane	QC68695	LCS	70 - 130	98.0	-	EPA 505
		MS	65 - 135	96.6	-	
Methoxychlor	QC68695	LCS	70 - 130	87.4	-	EPA 505
		MS	65 - 135	83.6	-	
Toxaphene	QC68695	LCS	70 - 130	98.9	-	EPA 505
	EPA 505 multicomponent analytes include: Chlordane, Toxaphene, and PCB aroclors 1016, 1221, 1232, 1242, 1248, 1254, 1260. Batch QC includes one multicomponent; continually rotating analytes. Samples with apparent patterns are confirmed prior to reporting.					
		MS	65 - 135		-	
2,4,5-TP	QC68744	LCS	70 - 130	100.6	-	EPA 515.4
		MS	70 - 130	104.0	-	

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Test	QC Batch ID	QC Type	Limits	% Rec	RPD	Method
		MSD	0 - 30	-	3.0	
2,4,-D	QC68744	LCS	70 - 130	100.7	-	EPA 515.4
		MS	70 - 130	104.2	-	
		MSD	0 - 30	-	1.4	
Dalapon	QC68744	LCS	70 - 130	86.8	-	EPA 515.4
		MS	70 - 130	95.2	-	
		MSD	0 - 30	-	4.1	
Dicamba	QC68744	LCS	70 - 130	99.4	-	EPA 515.4
		MS	70 - 130	100.0	-	
		MSD	0 - 30	-	0.5	
Dinoseb	QC68744	LCS	70 - 130	93.9	-	EPA 515.4
		MS	70 - 130	97.4	-	
		MSD	0 - 30	-	7.6	
Pentachlorophenol	QC68744	LCS	70 - 130	94.4	-	EPA 515.4
		MS	70 - 130	95.3	-	
		MSD	0 - 30	-	2.2	
Picloram	QC68744	LCS	70 - 130	101.2	-	EPA 515.4
		MS	70 - 130	107.5	-	
		MSD	0 - 30	-	4.0	
1,1,1,2-Tetrachloroethane	QC68748	LCS	70 - 130	96.0	-	EPA-524.2
		LCS Dup	0 - 20	96.2	-	
1,1,1-Trichloroethane	QC68748	LCS	70 - 130	106.2	-	EPA-524.2
		LCS Dup	0 - 20	111.4	-	
1,1,2,2-Tetrachloroethane	QC68748	LCS	70 - 130	94.8	-	EPA-524.2
		LCS Dup	0 - 20	97.8	-	
1,1,2-Trichloroethane	QC68748	LCS	70 - 130	94.2	-	EPA-524.2
		LCS Dup	0 - 20	96.8	-	
1,1-Dichloroethane	QC68748	LCS	70 - 130	91.8	-	EPA-524.2
		LCS Dup	0 - 20	94.2	-	
1,1-Dichloroethylene	QC68748	LCS	70 - 130	92.4	-	EPA-524.2
		LCS Dup	0 - 20	93.4	-	
1,1-Dichloropropene	QC68748	LCS	70 - 130	101.8	-	EPA-524.2
		LCS Dup	0 - 20	103.2	-	
1,2,3-Trichlorobenzene	QC68748	LCS	70 - 130	102.4	-	EPA-524.2
		LCS Dup	0 - 20	108.0	-	
1,2,3-Trichloropropane	QC68748	LCS	70 - 130	103.2	-	EPA-524.2
		LCS Dup	0 - 20	106.6	-	
1,2,4-Trichlorobenzene	QC68748	LCS	70 - 130	101.6	-	EPA-524.2
		LCS Dup	0 - 20	108.4	-	
1,2,4-Trimethylbenzene	QC68748	LCS	70 - 130	102.2	-	EPA-524.2
		LCS Dup	0 - 20	105.6	-	
1,2-Dichloroethane	QC68748	LCS	70 - 130	101.6	-	EPA-524.2
		LCS Dup	0 - 20	102.6	-	
1,2-Dichloropropane	QC68748	LCS	70 - 130	96.2	-	EPA-524.2
		LCS Dup	0 - 20	98.0	-	
1,3,5-Trimethylbenzene	QC68748	LCS	70 - 130	104.2	-	EPA-524.2
		LCS Dup	0 - 20	104.6	-	
1,3-Dichloropropane	QC68748	LCS	70 - 130	104.6	-	EPA-524.2
		LCS Dup	0 - 20	105.8	-	
Benzene	QC68748	LCS	70 - 130	97.2	-	EPA-524.2

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Test	QC Batch ID	QC Type	Limits	% Rec	RPD	Method
		LCS Dup	0 - 20	99.2	-	
Bromobenzene	QC68748	LCS	70 - 130	110.4	-	EPA-524.2
		LCS Dup	0 - 20	110.4	-	
Bromochloromethane	QC68748	LCS	70 - 130	94.4	-	EPA-524.2
		LCS Dup	0 - 20	99.0	-	
Bromodichloromethane	QC68748	LCS	70 - 130	85.6	-	EPA-524.2
		LCS Dup	0 - 20	88.8	-	
Bromoform	QC68748	LCS	70 - 130	89.2	-	EPA-524.2
		LCS Dup	0 - 20	87.4	-	
Bromomethane	QC68748	LCS	70 - 130	86.0	-	EPA-524.2
		LCS Dup	0 - 20	90.2	-	
Carbon Tetrachloride	QC68748	LCS	70 - 130	103.4	-	EPA-524.2
		LCS Dup	0 - 20	107.8	-	
Chlorodibromomethane	QC68748	LCS	70 - 130	88.8	-	EPA-524.2
		LCS Dup	0 - 20	88.6	-	
Chloroethane	QC68748	LCS	70 - 130	86.2	-	EPA-524.2
		LCS Dup	0 - 20	90.2	-	
Chloroform	QC68748	LCS	70 - 130	98.4	-	EPA-524.2
		LCS Dup	0 - 20	102.0	-	
Chloromethane	QC68748	LCS	70 - 130	90.0	-	EPA-524.2
		LCS Dup	0 - 20	93.0	-	
cis-1,2-Dichloroethylene	QC68748	LCS	70 - 130	94.6	-	EPA-524.2
		LCS Dup	0 - 20	100.4	-	
Dibromomethane	QC68748	LCS	70 - 130	96.6	-	EPA-524.2
		LCS Dup	0 - 20	100.8	-	
Dichlorodifluoromethane	QC68748	LCS	70 - 130	112.2	-	EPA-524.2
		LCS Dup	0 - 20	107.8	-	
Dichloromethane	QC68748	LCS	70 - 130	99.6	-	EPA-524.2
		LCS Dup	0 - 20	104.8	-	
Ethylbenzene	QC68748	LCS	70 - 130	103.0	-	EPA-524.2
		LCS Dup	0 - 20	105.8	-	
Fluorotrichloromethane	QC68748	LCS	70 - 130	111.8	-	EPA-524.2
		LCS Dup	0 - 20	112.6	-	
Hexachlorobutadiene	QC68748	LCS	70 - 130	105.8	-	EPA-524.2
		LCS Dup	0 - 20	115.8	-	
Isopropylbenzene	QC68748	LCS	70 - 130	102.2	-	EPA-524.2
		LCS Dup	0 - 20	104.8	-	
m-Dichlorobenzene	QC68748	LCS	70 - 130	109.2	-	EPA-524.2
		LCS Dup	0 - 20	110.2	-	
Monochlorobenzene	QC68748	LCS	70 - 130	107.8	-	EPA-524.2
		LCS Dup	0 - 20	107.0	-	
Naphthalene	QC68748	LCS	70 - 130	98.8	-	EPA-524.2
		LCS Dup	0 - 20	105.6	-	
n-Butylbenzene	QC68748	LCS	70 - 130	101.0	-	EPA-524.2
		LCS Dup	0 - 20	103.8	-	
n-Propylbenzene	QC68748	LCS	70 - 130	102.6	-	EPA-524.2
		LCS Dup	0 - 20	104.0	-	
o-Chlorotoluene	QC68748	LCS	70 - 130	99.4	-	EPA-524.2
		LCS Dup	0 - 20	100.6	-	
o-Dichlorobenzene	QC68748	LCS	70 - 130	106.6	-	EPA-524.2

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		LCS Dup	0 - 20	109.4	-	
Para-Dichlorobenzene	QC68748	LCS	70 - 130	109.0	-	EPA-524.2
		LCS Dup	0 - 20	113.0	-	
p-Chlorotoluene	QC68748	LCS	70 - 130	105.6	-	EPA-524.2
		LCS Dup	0 - 20	105.8	-	
p-Isopropyltoluene	QC68748	LCS	70 - 130	104.0	-	EPA-524.2
		LCS Dup	0 - 20	106.6	-	
sec-Butylbenzene	QC68748	LCS	70 - 130	106.4	-	EPA-524.2
		LCS Dup	0 - 20	109.2	-	
Styrene	QC68748	LCS	70 - 130	104.2	-	EPA-524.2
		LCS Dup	0 - 20	105.2	-	
tert-Butylbenzene	QC68748	LCS	70 - 130	106.0	-	EPA-524.2
		LCS Dup	0 - 20	107.4	-	
Tetrachloroethylene	QC68748	LCS	70 - 130	112.8	-	EPA-524.2
		LCS Dup	0 - 20	110.2	-	
Toluene	QC68748	LCS	70 - 130	100.0	-	EPA-524.2
		LCS Dup	0 - 20	99.6	-	
trans-1,2-Dichloroethylene	QC68748	LCS	70 - 130	101.6	-	EPA-524.2
		LCS Dup	0 - 20	103.4	-	
Trichloroethylene	QC68748	LCS	70 - 130	100.0	-	EPA-524.2
		LCS Dup	0 - 20	99.4	-	
Vinyl chloride	QC68748	LCS	70 - 130	95.8	-	EPA-524.2
		LCS Dup	0 - 20	98.4	-	
Alachlor	QC68856	LCS	70 - 130	98.0	-	EPA 525.2
		MS	70 - 130	112.0	-	
Atrazine	QC68856	LCS	70 - 130	96.0	-	EPA 525.2
		MS	70 - 130	110.0	-	
Benzo(a)pyrene	QC68856	LCS	70 - 130	89.0	-	EPA 525.2
		MS	70 - 130	73.0	-	
Butachlor	QC68856	LCS	70 - 130	93.0	-	EPA 525.2
		MS	70 - 130	118.0	-	
Di(2-ethylhexyl)adipate	QC68856	LCS	70 - 130	79.0	-	EPA 525.2
		MS	70 - 130	87.0	-	
Di(2-ethylhexyl)phthalate	QC68856	LCS	70 - 130	84.0	-	EPA 525.2
		MS	70 - 130	96.0	-	
Heptachlor	QC68856	LCS	70 - 130	78.0	-	EPA 525.2
		MS	70 - 130	88.0	-	
Metolachlor	QC68856	LCS	70 - 130	96.0	-	EPA 525.2
		MS	70 - 130	113.0	-	
Metribuzin	QC68856	LCS	70 - 130	82.0	-	EPA 525.2
		MS	70 - 130	106.0	-	
Propachlor	QC68856	LCS	70 - 130	96.0	-	EPA 525.2
		MS	70 - 130	112.0	-	
Simazine	QC68856	LCS	70 - 130	74.0	-	EPA 525.2
		MS	70 - 130	85.0	-	
3-Hydroxycarbofuran	QC68673	LCS	80 - 120	100.1	-	EPA 531.1
		MS	65 - 135	99.6	-	
Aldicarb	QC68673	LCS	80 - 120	101.4	-	EPA 531.1
		MS	65 - 135	105.9	-	
Aldicarb sulfone	QC68673	LCS	80 - 120	100.8	-	EPA 531.1

Abbreviations/ References:

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Date Analyzed = Date Test Completed

(d) RPD acceptable due to low duplicate and sample concentrations.
(s) The accuracy of the spike recovery value is reduced due to the analyte concentration in the sample being disproportionate to the spike level. The laboratory control sample recovery was acceptable

MCL = Maximum contaminant level per the EPA
ND = Not Detected at Reporting Limit.

Test	QC Batch ID	QC Type	Limits	% Rec	RPD	Method
		MS	65 - 135	101.9	-	
Aldicarb sulfoxide	QC68673	LCS	80 - 120	104.1	-	EPA 531.1
		MS	65 - 135	107.2	-	
Carbaryl	QC68673	LCS	80 - 120	101.0	-	EPA 531.1
		MS	65 - 135	98.6	-	
Carbofuran	QC68673	LCS	80 - 120	96.7	-	EPA 531.1
		MS	65 - 135	97.5	-	
Methomyl	QC68673	LCS	80 - 120	104.2	-	EPA 531.1
		MS	65 - 135	99.5	-	
Oxamyl	QC68673	LCS	80 - 120	98.2	-	EPA 531.1
		MS	65 - 135	97.4	-	
Endothall	QC68622	LCS	52 - 137	110.3	-	EPA 548.1
		MS	39 - 133	101.5	-	
Diquat	QC68630	LCS	70 - 130	72.3	-	EPA 549.2
		MS	70 - 130	61.8	-	
	Analyte recovery is below lower QC criteria, likely due to matrix interference. MRL, LCS, and CCV's are within QC criteria; no corrective action required. 10/17/23 MLT					
Chloride	QC68662	Duplicate	0 - 20	-	0.3	EPA 300.0
		LCS	90 - 110	103.6	-	
		MS	75 - 125	100.1	-	
Dissolved Organic Carbon	QC68675	Duplicate	0 - 10	-	0.6	SM 5310-C
		LCS	90 - 110	103.0	-	
		MS	85 - 115	108.0	-	
Fluoride	QC68663	Duplicate	0 - 20	-	1.7	EPA 300.0
		LCS	90 - 110	100.4	-	
		MS	75 - 125	92.4	-	
Antimony	QC68792	LCS	90 - 110	100.2	-	EPA 200.8
		MS	70 - 130	102.3	-	
		MSD	0 - 10	-	1.3	
Arsenic	QC68792	LCS	90 - 110	95.8	-	EPA 200.8
		MS	70 - 130	107.6	-	
		MSD	0 - 10	-	1.0	
Barium	QC68792	LCS	90 - 110	97.0	-	EPA 200.8
		MS	70 - 130	101.6	-	
		MSD	0 - 10	-	1.6	
Beryllium	QC68792	LCS	90 - 110	95.6	-	EPA 200.8
		MS	70 - 130	95.0	-	
		MSD	0 - 10	-	3.4	
Cadmium	QC68792	LCS	90 - 110	94.4	-	EPA 200.8
		MS	70 - 130	101.1	-	
		MSD	0 - 10	-	0.1	
Chromium	QC68792	LCS	90 - 110	95.9	-	EPA 200.8
		MS	70 - 130	95.8	-	
		MSD	0 - 10	-	0.1	
Mercury	QC68792	LCS	90 - 110	102.7	-	EPA 200.8
		MS	70 - 130	89.0	-	
		MSD	0 - 10	-	4.0	
Nickel	QC68792	LCS	90 - 110	101.5	-	EPA 200.8
		MS	70 - 130	99.3	-	
		MSD	0 - 10	-	0.5	
Selenium	QC68792	LCS	90 - 110	97.2	-	EPA 200.8

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MCL = Maximum contaminant level per the EPA
ND = Not Detected at Reporting Limit.

Test	QC Batch ID	QC Type	Limits	% Rec	RPD	Method
		MS	70 - 130	111.0	-	
		MSD	0 - 10	-	0.3	
Thallium	QC68792	LCS	90 - 110	101.7	-	EPA 200.8
		MS	70 - 130	95.2	-	
		MSD	0 - 10	-	4.6	
Uranium	QC68720	LCS	90 - 110	94.5	-	EPA 200.8
		MS	70 - 130	92.7	-	
		MSD	0 - 10	-	7.2	
Nitrate Nitrogen	QC68664	Duplicate	0 - 20	-	0.0	EPA 300.0
		LCS	90 - 110	102.1	-	
		MS	75 - 125	93.9	-	
Nitrite Nitrogen	QC68665	Duplicate	0 - 20	-	0.0	EPA 300.0
		LCS	90 - 110	93.0	-	
		MS	75 - 125	94.6	-	
Total Organic Carbon	QC68674	Duplicate	0 - 10	-	0.0	SM 5310-C
		LCS	90 - 110	103.0	-	
		MS	85 - 115	107.0	-	

All analyses were performed in accordance with approved methods under the latest revision to 40 CFR Part 136 unless otherwise identified. Based on my inquiry of the person or persons directly responsible for analyzing the wastewater samples and generating the report (s), the analyses, report, and information submitted are, to the best of my knowledge and belief, true, accurate, and complete.

Steve Nielson

DATA APPROVED FOR RELEASE BY

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MCL = Maximum contaminant level per the EPA
ND = Not Detected at Reporting Limit.

Drinking Water Chain of Custody

Colorado Analytical LABORATORIES, INC.

Report To Information	Bill To Information (If different from report to)	Project Information
Company Name: Semocor Inc.	Company Name: Semocor Inc.	PWSID: S.P. (special purpose)
Contact Name: Will S. Parker	Contact Name: Will S. Parker	System Name: ~~[illegible]~~ NANCYS WELL
Address: D3995 S. Castlewood Canyon Road City: Castle Rock State: CO Zip: 80104	Address: 3995 S. Castlewood Canyon Road City: Castle Rock State: CO Zip: 80104	Compliance Samples: Yes ☐ No ☒ Send Results to CDPHE: Yes ☐ No ☒
Phone:303-681-2253	Phone:303-681-2253	Task Number (Lab Use Only) CAL Task 231012131 SBM
Email:willsemocor@hotmail.com	Email:willsemocor@hotmail.com	
Sample Collector: Mark Dufrenne		
Sample Collector Phone: 303-319-6244	PO Number:	

Commerce City Lab
10411 Heinz Way
Commerce City CO 80640

Lakewood Service Center
12860 W. Cedar Dr, Suite 100A
Lakewood CO 80228

Phone: 303-659-2313

www.coloradolab.com

PHASE I, II, V Drinking Water Analyses (check requested analysis) — Subcontract Analyses: Gross Alpha/Beta, Radium 226/228, Radon, Uranium, Chloride

Date	Time	Client Sample ID / Sample Pt ID	No. of Containers	Residual Chlorine (mg/L) P/A Samples Only	Total Coliform P/A	504.1 EDB/DBCP	505 Pests/PCBs	515.4 Herbicides	524.2 VOCs	525.2 SOCs-Pest	531.1 Carbamates	~~547 Glyphosate~~	548.1 Endothall	549.2 Diquat	524.2 TTHMs	552.2 HAA5s	Lead/Copper	Nitrate	Nitrite	Fluoride	Inorganics	Alk/Lang. Index (Circle)	TOC/DOC (Circle)	SUVA, UV 254 (Circle)		Gross Alpha/Beta	Radium 226/228	~~Radon~~	Uranium	~~Chlorite~~ Chloride ?
10/12/23	8:00 AM	001	26	–	☐	☒	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☒	☒	☒	☒	☒	☒	☐	☐	☒	☒	☒	☒	☒
		TB+FB recieved-SBM																												
		[illegible]																												

Instructions: Special Purpose Radon not recieved-SBM
547 NOT RCV'D
NO CHLORITE BOTTLE RCV'D → chloride instead per Ryker

C/S Info:

Delivered Via: C/S Charge ☐

Seals Present Yes ☐ No ☐ Headspace Yes ☐ No ☐

Temp. 0.8 °C /Ice Y Sample Pres. Yes ☐ No ☐

Relinquished By:	Date/Time:	Received By:	Date/Time:	Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	10/12/23	[signature]	10/12/23	[signature]	10/12/23	[signature]	10/13/23 1540

Colorado Analytical LABORATORIES, INC.

Analytical Results

TASK NO: 231012131

Report To: Will Parker
Company: Semocor Inc.
3995 South Castlewood Canyon
Castle Rock CO 80104

Bill To: Accounts Payable
Company: Semocor Inc.
3995 South Castlewood Canyon
Castle Rock CO 80104

Task No.: 231012131
Client PO: Nancys Well
Client Project: Nancys Well

Date Received: 10/12/23
Date Reported: 11/29/23
Matrix: Water - Drinking

Customer Sample ID 001
Sample Date/Time: 10/12/23 8:00 AM
Lab Number: 231012131-01

Test	Result	Method	RL	Date Analyzed	QC Batch ID	Analyzed By
Bicarbonate	**166.4 mg/L as CaCO3**	SM 2320-B	0.2 mg/L as CaCO3	10/16/23	-	JCB
Calcium as CaCO3	**5.0 mg/L**	EPA 200.7	0.1 mg/L	10/16/23	-	MAT
Carbonate	**27.7 mg/L as CaCO3**	SM 2320-B	0.2 mg/L as CaCO3	10/16/23	-	JCB
Hydroxide	**ND mg/L as CaCO3**	SM 2320-B	0.2 mg/L as CaCO3	10/16/23	-	JCB
Langelier Index	**0.22 units**	SM 2330-B	units	10/18/23	-	SAN
pH	**9.07 units**	SM 4500-H-B	0.01 units	10/13/23	-	AKF
Temperature	**20 °C**	SM 4500-H-B	1 °C	10/13/23	-	AKF
Total Alkalinity	**194.0 mg/L as CaCO3**	SM 2320-B	4.0 mg/L as CaCO3	10/16/23	QC68694	JCB
Total Dissolved Solids	**384 mg/L**	SM 2540-C	5 mg/L	10/17/23	QC68656	ISG

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Date Analyzed = Date Test Completed

(d) RPD acceptable due to low duplicate and sample concentrations.
(s) Spike amount low relative to the sample amount.
ND = Not Detected at Reporting Limit.

Colorado Analytical LABORATORIES, INC.

Analytical QC Summary

TASK NO: 231012131

Report To: Will Parker
Company: Semocor Inc.

Receive Date: 10/12/23
Project Name: Nancys Well

Test	QC Batch ID	QC Type	Result	Method	Prep Date
Total Alkalinity	QC68694	Blank	ND	SM 2320-B	10/17/23
Total Dissolved Solids	QC68656	Blank	ND	SM 2540-C	10/16/23

Test	QC Batch ID	QC Type	Limits	% Rec	RPD	Method
Total Alkalinity	QC68694	Duplicate	0 - 20	-	2.0	SM 2320-B
		LCS	90 - 110	104.6	-	
		LCS-2	90 - 110	99.0	-	
Total Dissolved Solids	QC68656	Duplicate	0 - 10	-	2.7	SM 2540-C
		LCS	85 - 115	103.1	-	

All analyses were performed in accordance with approved methods under the latest revision to 40 CFR Part 136 unless otherwise identified. Based on my inquiry of the person or persons directly responsible for analyzing the wastewater samples and generating the report (s), the analyses, report, and information submitted are, to the best of my knowledge and belief, true, accurate, and complete.

DATA APPROVED FOR RELEASE BY

Abbreviations/ References:

RL = Reporting Limit = Minimum Level
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Date Analyzed = Date Test Completed

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ND = Not Detected at Reporting Limit.

Drinking Water Chain of Custody

Colorado Analytical LABORATORIES, INC.

Report To Information	Bill To Information (If different from report to)	Project Information
Company Name: Semocor Inc.	Company Name: Semocor Inc.	PWSID: S.P. (special purpose)
Contact Name: Will S. Parker	Contact Name: Will S. Parker	System Name: NANCYS WELL
Address: D3995 S. Castlewood Canyon Road City: Castle Rock State: CO Zip: 80104	Address: 3995 S. Castlewood Canyon Road City: Castle Rock State: CO Zip: 80104	Compliance Samples: Yes ☐ No ☒ Send Results to CDPHE: Yes ☐ No ☒
Phone:303-681-2253	Phone:303-681-2253	Task Number (Lab Use Only) CAL Task 231012131 SBM
Email:willsemocor@hotmail.com	Email:willsemocor@hotmail.com	
Sample Collector: Mark Dufrenne		
Sample Collector Phone: 303-319-6244	PO Number:	

Commerce City Lab
10411 Heinz Way
Commerce City CO 80640

Lakewood Service Center
12860 W. Cedar Dr, Suite 100A
Lakewood CO 80228

Phone: 303-659-2313

www.coloradolab.com

PHASE I, II, V Drinking Water Analyses (check requested analysis) — Subcontract Analyses

Date	Time	Client Sample ID / Sample Pt ID	No. of Containers	Residual Chlorine (mg/L) P/A Samples Only	Total Coliform P/A	504.1 EDB/DBCP	505 Pests/PCBs	515.4 Herbicides	524.2 VOCs	525.2 SOCs-Pest	531.1 Carbamates	~~547 Glyphosate~~	548.1 Endothall	549.2 Diquat	524.2 TTHMs	552.2 HAA5s	Lead/Copper	Nitrate	Nitrite	Fluoride	Inorganics	Alk/Lang. Index (Circle)	TOC/DOC (Circle)	SUVA, UV 254 (Circle)		Gross Alpha/Beta	Radium 226/228	~~Radon~~	Uranium	Chloride ?
10/12/23	8:00 AM	001	26	–	☐	☒	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☒	☒	☒	☒	☒	☒	☐	☐	☒	☒	☒	☒	☒
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Instructions: Special Purpose Radon not recieved-SBM
547 NOT RCV'D
NO CHLORITE BOTTLE RCV'D → Chloride instead per Ryker

C/S Info:

Delivered Via: C/S Charge ☐

Seals Present Yes ☐ No ☐ Headspace Yes ☐ No ☐

Temp. 0.8 °C /Ice Y Sample Pres. Yes ☐ No ☐

Relinquished By:	Date/Time:	Received By:	Date/Time:	Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	10/12/23	[signature]	10/12/23	[signature]	10/12/23	[signature]	10/12/23 1540