MVE, INC.
ENGINEERS' SURVEYORS
1903 lelaray street, suite 200
colorado springs, co 80909
719.635.5736

Water Resources and Water Quality Report

Misfit Crew Estates

MVE Project No. 61160

August 20, 2024

PCD File No.

Prepared for
Mark E. McDonald and Amanda M. Enloe
5775 Mountain Shadow View
Colorado Springs, CO 80908
(303) 877-9079, (719) 337-8890

Prepared by
M.V.E., Inc.
1903 Lelaray Street, Suite 200
Colorado Springs, CO 80909
(719) 635-5736

Water Resources and Water Quality Report

For

Misfit Crew Estates

Project No. 61160
July 25, 2024
PCD File No.

Prepared for

Mark E. McDonald and Amanda M. Enloe
5775 Mountain Shadow View
Colorado Springs, CO 80908
(303) 877-9079, (719) 337-8890

Prepared by

M.V.E., Inc.
1903 Lelaray Street, Suite 200
Colorado Springs, CO 80909
(719) 635-5736

Contents

Introduction

This Water Resources Report describes the water supply to serve the three (3) residential lots proposed in the Misfit Crew Estates of 35.729 acres located within the NE ¼ SE ¼ of Section 24, Township 11 South, Range 66 West of the 6th Principal Meridian in El Paso County, Colorado (Subject Property). This report is intended to demonstrate the sufficiency in terms of quantity, quality, and dependability, of the water rights and resources to be utilized in the proposed subdivision. The three proposed lots of the subdivision are 5.0005 acres in area for two of the lots and one of the lots will be the remainder of the acreage of 25.692 acres. A small area of the parcel will be for 10' of additional right-of-way and contains 0.027 acres.

Each of the lots are to be provided with water and sewer service through individual wells and individual Onsite Wastewater Treatment Systems (OWTS).

A water court decree is attached to this report showing the decreed amounts of the Dawson aquifer groundwater, along with the Denver, Arapahoe, and Laramie-Fox aquifers' groundwater, underlying the Subject Property. The document also approves a plan for augmentation for use of up to three (3) wells in the Dawson aquifer to serve each lot for a 300-year water supply period. There is one (1) existing well on the property, McDonald Well No. 1 and is currently filed as Permit No. 88703-F. Proposed wells No. 2 and No.3 are to be constructed following platting of the property into three lots.

Expected Water Demands

It is expected that the three residential lots in the subdivision will utilize three individual wells (one well per lot) drilled to the Dawson aquifer for domestic type uses, such as household uses including irrigation of lawn, garden, pasture and green house and watering of horses and chicken, or equivalent livestock. The McDonald Wells Nos. 2 and 3 may each pump a maximum of 1.0 acre-feet per year per lot, and the McDonald Well No. 1 may pump a maximum of up to 3.8 acre-feet per year, for a maximum total of 5.8 acre-feet being withdrawn from the Dawson aquifer annually, at full build out.

The expected water uses and demands are presented in the table below.

Currently constructed McDonald Well No. 1 (Lot 1) – Well Permit No. 88703-F	
Initial In-house use	0.3 acre-feet per year for a total of **0.3 acre-feet per year**
Initial Irrigation use	0.0566 acre-feet per 1000 square feet per unit per year for total of **0.60 acre-feet** per year limited to irrigation of 10,600 square feet of lawn or garden per unit
Initial Stock-watering use	0.24 acre-feet per year per unit limited to watering of 4 head per unit for total of

	0.60 acre-feet per year for total of 10 horses or equivalent livestock
Commercial (Equestrian) Washing, cleaning, animal bathing, dust control and other sanitary needs	**1.0 acre-feet**
Other permitted uses Domestic, irrigation, domestic animal and stock watering, equestrian facilities, agricultural, commercial, fire protection, recreation, and also for storage and augmentation associated with such uses.	**1.3 acre-feet**
Total annual use for Lot 1	**3.8 acre-feet** per year
Total amount over 300 years = 300 x 3.8 = **1,140 acre-feet**	
Total decreed Dawson aquifer water = **3530 acre-feet**	

To be constructed McDonald Well No. 2 and No. 3 (Lot 2&3)	
In-house use	0.3 acre-feet per year 2 x 0.3 acre-ft. per year= **0.6 acre-ft**./year
Irrigation use	0.0566 acre-feet per 1000 square feet per unit per year for total of 0.48 acre-feet per year limited to irrigation of 8500 square feet of lawn or garden per unit 2 x 0.48 acre-ft. per year= **0.96 acre-ft**./year
Stock-watering use	0.24 acre-feet per year limited to watering 4 horses or equivalent livestock 2 x 0.24 acre-ft. per year= **0.48 acre-ft**./year
Total annual use for Lot 2&3	**2.0 acre-feet** per year
Total amount over 300 years = 300 x 2.0 = **600 acre-feet**	
Total amounts for Lot 1,2 & 3 for 300 years=1740 acre-feet	
Total decreed Dawson aquifer water = **3530 acre-feet**	

The existing McDonald Well No. 1 and To Be Constructed McDonald Well No. 2 and Well No. 3 are expected to produce from the not-nontributary Dawson aquifer at a flow rate of 10 to 15 gallons per minute, based upon past production in the immediate area. The existing well will be re-permitted in accordance with the referenced Decree. The Decree references well permit no. 209839, however well permit 88703-F replaces permit 209839. There are no other wells currently constructed on the subject property except as listed above. Based on experience with the numerous Dawson 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.

Amounts Decreed and Available

There are four aquifers identified that exist beneath the subject property. The Dawson Aquifer is the aquifer mainly used for withdrawal in this determination and which is designated **Not-NonTributary (NNT)**. Not-nontributary meaning groundwater located within those portions of the Dawson, Denver, Arapahoe, and Laramie-Fox Hills aquifers that are outside the boundaries of any designated groundwater basin in existence on January 1, 1985, the withdrawal of which will, within one hundred years, deplete the flow of a natural stream, including natural streams as defined in statute, at an annual rate of greater than one-tenth of one percent of the annual rate of withdrawal. The Denver, Arapahoe, and Laramie-Fox Aquifers are designated **NonTributary (NT)**. Nontributary meaning groundwater, located outside the boundaries of any designated groundwater basins in existence on January 1, 1985, the withdrawal of which will not, within one hundred years of continuous withdrawal, deplete the flow of a natural stream, including the natural streams defined in statute, at an annual rate greater than one-tenth of one percent of the annual rate of withdrawal. These NT aquifers are used for replacement for over-pumping of NNTs or for other purposes defined by a water decree or groundwater determination. The referenced groundwater determinations set forth withdrawal amounts based on a 100-year aquifer life which is converted to meet El Paso County's required demonstration of adequate water supply is for a 300 year term. The following annual amounts are determined and based on annual withdrawals over a 300 year period (one acre-foot is 325,851 gallons). The authorized uses for water supply are single family residential household use, irrigation (indoor and outdoor, agricultural, livestock, commercial, industrial, fish and wildlife and replacement.

Aquifer	Annual Amount-300 years (Acre-Feet)	Total (Acre-Feet)
Dawson (NNT)	11.76	3530
Denver (NT)	10.6	3180
Arapahoe (NT)	4.8	1440
Laramie-Fox Hills (NT)	3.6	1080

The water determinations were tailored to accommodate three wells connected to the respective aquifers. Each of the three wells would be allowed to operate as follows:
The McDonald Wells Nos. 2 and 3 may each pump a maximum of 1.0 acre-feet per year per lot, and the McDonald Well No. 1 may pump a maximum of up to 3.8 acre-feet per year, for a maximum total of 5.8 acre-feet being withdrawn from the Dawson aquifer annually, on full build out.

Based on the anticipated water demands, the water supply for the residential lots using three (3) Dawson aquifer wells pursuant to the augmentation plan approved in the referenced Decree is sufficient and satisfies the 300-year supply requirement of El Paso County.

Wastewater and Wastewater Treatment

A Soils and Geology Study and a Wastewater Study is concurrently being prepared for this subdivision by Entech Engineering, Inc. The reports shall address the suitability of the site to support the use of individual On-site Wastewater Treatment Systems (OWTSs) which are to be utilized. The site has been evaluated for the use of on-site wastewater treatment systems to be located on each of the new lots. Based on such evaluation, the site is suitable for on-site wastewater treatment systems.

Septic projections are based on similar Denver Basin residential uses on rural residential lots. Average daily wastewater loads are expected to be approximately 160 gallons per day per single-family residence assuming residential in-house use at the 0.20 acre-feet per year rate described in the approved Augmentation Plan. Maximum daily wastewater loads are expected to be approximately 210 gallons per day per single-family residence based on the El paso County Land Development Code residential demand standard of 0.26 acre-feet per year.

All single-family homes within Misfit Crew Estates shall be served by individual on-site wastewater treatment systems which will be installed according to El Paso County and State Guidelines and properly maintained to prevent contamination of surface and subsurface water resources.

Augmentation

Consistent with the Plan for Augmentation decreed in Water Division 1 Case No. 21CW3202, it is anticipated that the single-family residences on proposed lots 2 & 3 will utilize a maximum of 2.0 annual acre feet and proposed lot 1 will utilize a maximum of 3.8 acre-feet of water through individual wells, with total demand for all three lots estimated at a maximum of 5.8 annual acre feet. Of this pumping, it is anticipated that 0.90 annual acre feet will be utilized for indoor and household purposes, with the remainder of pumping available for other uses authorized under the augmentation plan.

A plan for augmentation utilizing the underlying Denver Basin aquifers has been decreed by the District Court, Water Division 1, in Case No. 21CW3202. As particularly described in the attached Decree, a 300-year water supply is demonstrated in the Dawson aquifer, with all depletions augmented in time, place and amount through septic return flows during pumping, and through dedication of nontributary groundwater in the Arapahoe and Laramie-Fox Hills aquifers for replacement of injurious post-pumping depletions. Applicants shall reserve 696 acre-feet of the total 1440 acre-feet of their decreed nontributary Arapahoe aquifer water and the entire 1080 acre-feet of their decreed Laramie-Fox Hills aquifer water for the replacement of post-pumping depletion.

Rural residential water supply demand will be met using not-nontributary Dawson formation wells, consistent with the plan for augmentation decreed in Case No. 21CW3202. Only one of the proposed three wells which will ultimately provide water supply to the lots within Misfit Crew Estates has been drilled, to date.

The augmentation plan decreed in Case No. 21CW3202 will provide for a 300-year water supply for each of the anticipated lots within Misfit Crew Estates, with each lot utilizing an OWTS of a non-evaporative nature. The water resources to be utilized in the subdivision are typical to 5-acre rural residential development near the Black Forest and other parts of rural northeastern El Paso County, Colorado. The plan for augmentation decreed in Case No. 21CW3202 demonstrates 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.

Water Quality

M.V.E., Inc. has examined water quality testing results for the existing McDonald Well No. 1 (permit No. 88703-F) located within the subject property. Testing for the required contaminants was performed by the Colorado-certified testing laboratories, Colorado Analytical Laboratories, Inc. and Hazen Research, Inc. The examined reports contain tests for each of the required contaminants for a confined aquifer in accordance with the Land Development Code of El Paso County (LDC). M.V.E. Inc. compared the test results to the Maximum Contaminant Level (MCL) for each substance and found the results to be within acceptable levels in accordance with El Paso County standards contained in the LDC. Copies of those testing results are collectively attached hereto as Exhibit E.

So as to ensure compliance with LDC Section 8.4.7(B)(3)(d), and all provisions of the LDC Section 8.4.7(B)(10), a full spectrum water quality testing on said well was obtained, including chemical analysis (see LDC Section 8.4.7(B)(10)(a)), testing against all applicable MCL's established by the EPCPH (see LDC Section 8.4.7(B)(10)(b)), and analysis of all major ions (see LDC Section 8.4.7(B)(10)(c)). The water samples were drawn from the closest available outdoor spigot connected to the State of Colorado permitted well of the Dawson Aquifer at 5775 Mountain Shadow View, Colorado Springs, CO 80908 on 6/14/2024. Said samples were collected by the applicant's consultant pursuant to instructions provided by Colorado Analytical Laboratories, Inc., who likewise assisted in maintaining a proper chain of custody on all such samples (see LDC Section 8.4.7(B)(10)(d)). All samples tested by Colorado Analytical Laboratories were obtained from the Dawson aquifer at an existing well on the project site and within ½ mile (see LDC Section 8.4.7(B)(10)(e)).
In accordance with LDC Section 8.4.7(B)(3)(d)(3), the owner has identified no unusual or atypical on-site or off-site sources of potential contamination, which is likely to, or has the real potential to, contaminate the confined Dawson aquifer from which the owner's source water is to be obtained. The requested subdivision of the subject property into approximately 5+-acre lots is typical of the region, as is the proposed water source. Potential contaminates would be non-compliant or poorly located septic systems (which will not be permitted within the subdivision), hazardous material spills, and sources of contamination contrary to existing law and regulation, and beyond the

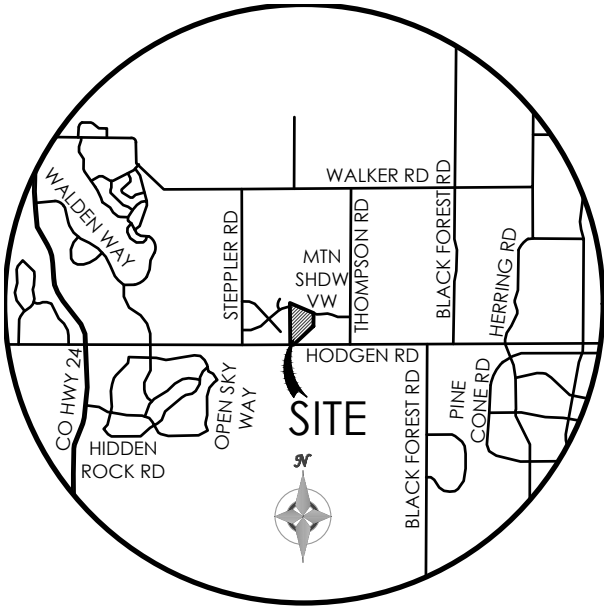
owner’s control. Barring such misfeasance or malfeasance, the owner does not believe any on or off-site hazards of note exist.

Based on these findings we recommend that the El Paso County Public Health and El Paso County Attorney's office make a finding of sufficiency for water quality for the Misfit Crew Estates final plat. The existing McDonald Well No. 1 and To-Be-Constructed Misfit Crew Wells No. 2 and 3, will meet all such regulatory requirements regarding quality testing before being utilized as a residential water source.

Appendix

Exhibit A	Vicinity Map and Site Map
Exhibit B	Water Decree (Water Division 1 Case No. 22CW3202)
Exhibit C	Well Permit (Permit No. 88703-F)
Exhibit D	Water Supply Information Summary (Form No. GWS-76)
Exhibit E	Water Quality Testing Results

Exhibit A Vicinity Map and Site Map

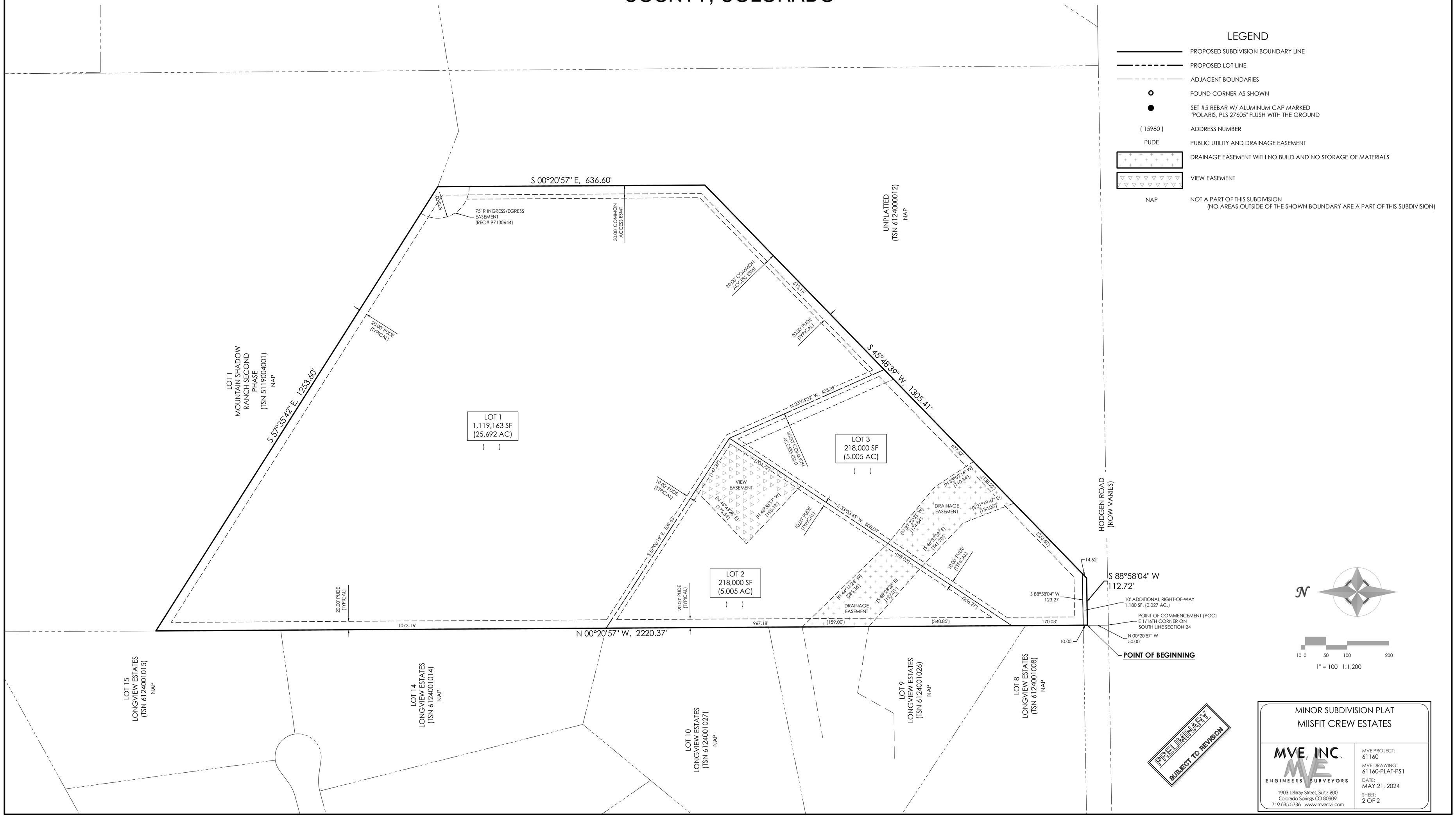


VICINITY MAP

NOT TO SCALE

MISFIT CREW ESTATES

A TRACT OF LAND LOCATED IN THE EAST HALF OF THE SOUTHEAST QUARTER QUARTER OF SECTION 24, TOWNSHIP 11 SOUTH, RANGE 66 WEST of the 6th PRINCIPAL MERIDIAN, EL PASO COUNTY, COLORADO



LEGEND

- PROPOSED SUBDIVISION BOUNDARY LINE
- PROPOSED LOT LINE
- ADJACENT BOUNDARIES
- FOUND CORNER AS SHOWN
- SET #5 REBAR W/ ALUMINUM CAP MARKED "POLARIS, PLS 27605" FLUSH WITH THE GROUND
- (15980) ADDRESS NUMBER
- PUDE PUBLIC UTILITY AND DRAINAGE EASEMENT
- DRAINAGE EASEMENT WITH NO BUILD AND NO STORAGE OF MATERIALS
- VIEW EASEMENT
- NAP NOT A PART OF THIS SUBDIVISION (NO AREAS OUTSIDE OF THE SHOWN BOUNDARY ARE A PART OF THIS SUBDIVISION)

N

10 0 50 100 200

1" = 100' 1:1,200

PRELIMINARY SUBJECT TO REVISION

MINOR SUBDIVISION PLAT
MIISFIT CREW ESTATES

MVE, INC.
ENGINEERS SURVEYORS
1903 Lelaray Street, Suite 900
Colorado Springs CO 80909
719.635.5736 www.mvecivil.com

MVE PROJECT: 61160
MVE DRAWING: 61160-PLAT-PS1
DATE: MAY 21, 2024
SHEET: 2 OF 2

Exhibit B Water Decree (Water Division 1 Case No. 21CW3202)

223019283 3/9/2023 11:14 AM
PGS 17 $93.00 DF $0.00
Electronically Recorded Official Records El Paso County CO
Steve Schleiker, Clerk and Recorder
TD1000 N

DISTRICT COURT, WATER DIVISION 1, CO Court Address: 901 9th Avenue, P.O. Box 2038 Greeley, CO 80632 Phone Number: (970) 475-2540	DATE FILED: March 9, 2023 10:55 AM CASE NUMBER: 2021CW3202
CONCERNING THE APPLICATION FOR WATER RIGHTS OF: **MARK E. MCDONALD AND AMANDA M. ENLOE** **IN EL PASO COUNTY**	▲ COURT USE ONLY ▲ Case No.: 21CW3202

FINDINGS OF FACT, CONCLUSIONS OF LAW, RULING OF REFEREE AND DECREE

THIS MATTER comes before the Water Referee on the Application filed by Mark E. McDonald and Amanda M. Enloe on November 29, 2021. Having reviewed said application and other pleadings on file, and being fully advised on this matter, the Water Referee makes the following findings and orders:

FINDINGS OF FACT

1. The Applicants this case are Mark E. McDonald and Amanda M. Enloe whose address is 5775 Mountain Shadow View, Colorado Springs, CO 80908 ("Applicants"). Applicants are the owners of the land totaling approximately 36 acres on which the structures sought to be adjudicated herein are and will be located, and are the owners of the place of use where the water will be put to beneficial use.

2. The Applicants filed this Application with the Water Courts for both Water Division 1 and Water Division 2 on November 29, 2021. The Application was referred to the Water Referees in both Divisions 1 and 2 on or about November 30, 2021.

3. The time for filing statements of opposition to the Application expired on the last day of January 2022. A Statement of Opposition was timely filed by Cherokee Metropolitan District on January 12, 2022 in Water Division 2.

4. On November 30, 2021, Applicant filed a motion requesting that publication be made only in El Paso County by Water Division 1. On that same day, the Water Court, Division 2 ordered that publication occur only within El Paso County.

5. The Clerk of this Court has caused publication of the Application filed in this matter as provided by statute and the publication costs have been paid. On December

21, 2021, proof of publication in *The Transcript* was filed with the Division 1 Water Court. All notices of the application have been given in the manner required by law.

6. In accordance with the notice requirements of C.R.S. § 37-92-302, lienholders of the Applicants' property were sent a Letter of Notice dated December 13, 2021. A Certificate of Notice was filed with the Court on December 27, 2021.

7. A Motion for Consolidation of the Division 1 and Division 2 cases into Water Division 1 was filed with the Colorado Supreme Court on February 3, 2022. The Panel on Consolidated Multidistrict Litigation certified the Motion for Consolidation to the Chief Justice on February 14, 2022. Chief Justice, Brian D. Boatright, granted the Motion for Consolidation by Order dated March 17, 2022.

8. On October 24, 2022, a stipulation between the Applicants and Cherokee Metropolitan District was filed with the Division 1 Water Court. By Order dated October 24, 2022, the Division 1 Water Court approved such stipulation.

9. Pursuant to C.R.S. §37-92-302(2), the Office of the State Engineer has filed Determination of Facts for each aquifer with this Court on January 27, 2022.

10. Pursuant to C.R.S. §37-92-302(4), the office of the Division Engineer for Water Division No. 1 filed its Summary of Consultation Report dated February 28, 2022, and a Response to Consultation Report was filed on May 31, 2022. The Water Referee has considered the Summary of Consultation Report and the Response in the entry of this Ruling.

11. The Water Court has jurisdiction over the subject matter of these proceedings and over all who have standing to appear as parties whether they have appeared or not. The land and water rights involved in this case are not within a designated groundwater basin.

GROUNDWATER RIGHTS

12. The Applicants requested the adjudication of underground water rights for the McDonald Wells Nos. 1 through 3, as constructed and as may be constructed to the Dawson aquifer, and additional or replacement wells associated therewith, for withdrawal of Applicants' full entitlements of supply under the plan for augmentation decreed herein. The following findings are made with respect to such underground water rights:

13. The land overlying the groundwater subject to the adjudication in this case is owned by the Applicants and consists of approximately 36 acres located in the E½ SE¼ of Section 24, Township 11 South, Range 66 West of the 6th P.M., and more particularly described as 5775 Mountain Shadow View, Colorado Springs, CO 80908, El Paso County, Colorado and depicted on the attached **Exhibit A** map ("Applicants'

Property"). Applicants intend to subdivide the Applicants' Property into up to three (3) lots. All groundwater adjudicated herein shall be withdrawn from the overlying land.

14. McDonald Wells Nos. 1 through 3: The McDonald Wells Nos. 1 through 3 are and will be located on the Applicants' Property. The McDonald Well Nos. 2 and 3 may only be constructed within the two portions of Applicant's Property depicted as Proposed Well Parcel Locations on the attached **Exhibit A**. The McDonald Well No. 1 is currently permitted and constructed as an exempt well pursuant to C.R.S. §37-92-602 under Well Permit No. 209839 which must be re-permitted upon entry of this decree. Applicants are awarded the vested right to use the McDonald Wells Nos. 1 through 3, along with any necessary replacement wells associated with such structures located as shown on **Exhibit A**, for the extraction and use of groundwater from the not-nontributary Dawson aquifer pursuant to the Plan for Augmentation decreed herein. All wells will be located on the subject property. Upon entry of this decree and submittal by the Applicants of complete well permit applications and filing fees, the State Engineer shall be bound by this decree in issuing new well permits for the McDonald Wells Nos. 1 through 3, pursuant to C.R.S. §37-90-137(4), consistent with and references to the Plan for Augmentation decreed herein.

15. Of the statutorily described Denver Basin aquifers, the Dawson, Denver, Arapahoe, and Laramie-Fox Hills aquifers all exist beneath the Applicants' Property. The Dawson aquifer underlying the Applicants' Property contains not-nontributary water as defined in §37-90-103(10.7), while the water of the Denver, Arapahoe, and Laramie-Fox Hills aquifers underlying the Applicants' Property is nontributary as defined in §37-90-103(10.5). The quantity of water in the Denver Basin aquifers exclusive of artificial recharge underlying the Applicants' Property is as follows:

AQUIFER	Net Sand (Feet)	Annual Average Withdrawal 100 Years (Acre Feet)	Annual Average Withdrawal 300 Years (Acre Feet)	Total Withdrawal (Acre Feet)
Dawson (NNT)	490	35.3	11.76	3,530[1]
Denver (NT)	520	31.8	10.6	3,180
Arapahoe (NT)	235	14.4	4.8	1,440
Laramie-Fox Hills (NT)	200	10.8	3.6	1,080

16. Pursuant to C.R.S. §37-90-137(9)(c.5)(I), the augmentation requirements for wells in the Dawson aquifer require the replacement to the effected stream systems of actual stream depletions on an annual basis, to the extent necessary to prevent injurious effect, based upon actual aquifer conditions. Applicants shall not be entitled to construct a well or use water from the not-nontributary Dawson aquifer except pursuant

[1] This amount requires the existing well with Permit No. 209839 to be cancelled and re-permitted as a non-exempt well in accordance with the augmentation plan decreed herein.

to an approved augmentation plan in accordance with C.R.S. §37-90-137(9)(c.5), including as decreed herein as concerns the Dawson aquifer.

17. Applicants shall be entitled to withdraw all legally available groundwater in the Denver Basin aquifers underlying Applicants' Property, subject to Paragraphs 21 and 42 herein. Said amounts can be withdrawn over the 300-year life of the aquifers as set forth in El Paso County, Colorado Land Development Code §8.4.7(C)(1) which requirements also satisfy the 100-year life for the aquifers as set forth in C.R.S. §37-90-137(4), or withdrawn over a longer period of time based upon local governmental regulations or Applicants' water needs, provided that withdrawals during such longer period are in compliance with the augmentation requirements of this decree. The average annual amounts of ground water available for withdrawal from the underlying Denver Basin aquifers, based upon both the 100-year and 300-year aquifer life is determined and set forth above, based upon the January 27, 2022 Office of the State Engineer Determination of Facts.

18. Subject to the terms and conditions in the plan for augmentation decreed herein and final approval by the State Engineer's Office pursuant to the issuance of well permits in accordance with C.R.S. §§37-90-137(4) or 37-90-137(10), the Applicants shall have the right to use the ground water for beneficial uses upon the Applicants' Property consisting of domestic, irrigation, domestic animal and stock watering, equestrian facilities, agricultural, commercial, fire protection, recreation, and also for storage and augmentation associated with such uses. The amount of groundwater decreed for such uses upon the Applicants' Property is reasonable as such uses are to be made for the long-term use and enjoyment of the Applicants' Property and is to establish and provide for adequate water reserves. The nontributary groundwater, excepting such water reserved for post pumping depletions in the Plan for Augmentation decreed herein, may be used, reused, and successively used to extinction, both on and off the Applicants' Property subject, however, to the relinquishment of the right to consume two percent of such nontributary water withdrawn. Applicants may use such water by immediate application or by storage and subsequent application to the beneficial uses and purposes stated herein. Provided however, as set forth above, Applicants shall only be entitled to construct wells or use water from the not-nontributary Dawson aquifer pursuant to a decreed augmentation plan entered by the Court, including the plan for augmentation decreed herein.

19. Withdrawals of groundwater available from the nontributary aquifers beneath the Applicants' Property in the amounts determined in accordance with the provisions of this decree will not result in material injury to any other vested water rights or to any other owners or users of water.

PLAN FOR AUGMENTATION

20. The structures to be augmented are the McDonald Wells Nos. 1 through 3

as constructed and to be constructed to the not-nontributary Dawson aquifer underlying the Applicants' Property, along with any additional or replacement wells associated therewith.

21. Pursuant to C.R.S. §37-90-137(9)(c.5), the augmentation obligation for the McDonald Wells Nos. 1 through 3, and any additional or replacement wells constructed to the Dawson aquifer requires the replacement of actual stream depletions to the extent necessary to prevent any injurious effect. The water rights to be used for augmentation during pumping are the septic return flows of the not-nontributary McDonald Wells Nos. 1 through 3 to be pumped as set forth in this plan for augmentation. The water rights to be used for augmentation after pumping are a reserved portion of Applicants' nontributary water rights in the Arapahoe and Laramie-Fox Hills aquifers. Applicants shall provide for the augmentation of stream depletions caused by pumping the McDonald Wells Nos. 1 through 3 as approved herein. Water use criteria as follows:

A. Operations: The McDonald Wells Nos. 2 and 3 may each pump a maximum of 1.0 acre-feet per year per lot, and the McDonald Well No. 1 may pump a maximum of up to 3.8 acre-feet per year, for a maximum total of 5.8 acre-feet being withdrawn from the Dawson aquifer annually, on full build out.

i. McDonald Well No. 1. The McDonald Well No. 1 will initially pump up to 1.5 acre-feet annually for in-house uses inside a single-family dwelling and guest house (0.30 acre-feet of water annually), and for irrigation of lawn, garden, pasture, and greenhouse, and the watering of domestic animals and livestock on the lot. Upon completion of construction of the commercial equestrian facility, the McDonald Well No. 1 will pump an additional 2.3 acre-feet (for a total of 3.8 acre-feet) annually, of which 1.0 acre-feet will be dedicated for use within a commercial equestrian facility for washing, cleaning, animal bathing, dust control, and other sanitary needs for the facility. The remaining additional 1.3 acre-feet will be used for other permitted uses as described in Paragraph 18, including irrigation of pasture and stock watering.

ii. McDonald Wells Nos. 2 and 3. The McDonald Wells Nos. 2 and 3 may each pump 1.0 acre-feet annually, or a combined total of 2.0 annual acre-feet, for in-house use inside a single-family dwelling and guest house of 0.30 acre-feet of water per year per lot, with the additional 0.70 acre-feet per year per lot available for irrigation of lawn, garden, and greenhouse, and the watering of up to four horses and eight chickens or equivalent livestock and poultry on each lot. The McDonald Wells Nos. 2 and 3 may only be constructed on the two portions of Applicants' Property depicted as Proposed Well Locations on the attached **Exhibit A**.

B. Depletions: Maximum stream depletions over the 300-year pumping period for the Dawson aquifer will amount to approximately 22.4% of pumping. Prior to completion of the equestrian facility construction, maximum annual depletions for total pumping from the McDonald Wells Nos. 1 through 3 will amount to 0.784 acre-feet in year 300 (being 22.4% of 3.5 annual acre-feet). Following construction of the commercial

equestrian facility, maximum annual depletions for total pumping from the McDonald Wells Nos. 1 through 3 are 1.29 acre-feet in year 300 (being 22.4% of 5.8 annual acre-feet).

C. Augmentation of Depletions During Pumping Life of Wells: Pursuant to C.R.S. §37-90-137(9)(c.5), Applicants are required to replace actual stream depletions attributable to pumping of the three not-nontributary Dawson aquifer wells. Depletions during pumping will be effectively replaced by residential and commercial return flows from non-evaporative septic systems, both before and after completion of the commercial equestrian facility. The annual consumptive use for non-evaporative septic systems is 10% per year per residence. At the household use rate of 0.30 acre-feet per lot per year, total of 0.9 acre-feet, 0.81 acre-feet is replaced to the stream system per year, utilizing residential non-evaporative septic systems. The annual consumptive use of the equestrian facility utilizing a non-evaporative septic system is 50% per year. At an annual use rate of 1.0 acre-foot for the equestrian facility, 0.50 acre-feet is replaced to the stream system per year, resulting in total replacements from all non-evaporative septic systems of 1.31 acre-feet annually, adequately replacing maximum depletions of 1.29 acre-feet from pumping a combined total of 5.8 acre-feet from the McDonald Wells Nos. 1 through 3. Thus, during pumping, stream depletions will be adequately augmented. Applicants shall separately measure the equestrian facility uses and the Applicants may be reasonably required to demonstrate periodically to the Division Engineer that 50% of the water used for the equestrian facility is returning to the stream system. Return flows from the uses of the water that are estimated rather than measured may be used only to replace depletions under this plan for augmentation, and may not be used, sold, traded, or assigned in whole or in part for any other purpose.

D. Augmentation of Post Pumping Depletions: This plan for augmentation shall have a pumping period of 300 years. For the replacement of any injurious post-pumping depletions which may be associated with the use of the McDonald Wells Nos. 1 through 3, Applicants will reserve up to 696 acre-feet of the nontributary Arapahoe aquifer, and the entirety of the Laramie Fox Hills aquifer (1,080 acre-feet), accounting for actual stream depletions replaced during the plan pumping period, as necessary to replace injurious post pumping depletions. The amount of nontributary groundwater reserved may be reduced through this Court's retained jurisdiction as described in this decree. If the Court, by order, reduces the Applicants' obligation to account for and replace such post-pumping depletions for any reason, it may also reduce the amount of Arapahoe and Laramie-Fox Hills groundwater reserved for such purposes, as described herein. Applicants also reserve the right to substitute other legally available augmentation sources for such post pumping depletions upon further approval of the Court under its retained jurisdiction. Even though this reservation is made, under the Court's retained jurisdiction, Applicants reserve the right in the future to prove that post pumping depletions will be noninjurious. Pursuant to C.R.S. §37-90-137(9)(b), no more than 98% of water withdrawn annually from a nontributary aquifer shall be consumed. The reservation of 696 acre-feet from the Arapahoe aquifer and 1,080 acre-feet from the Laramie-Fox Hills aquifer results in approximately 1740.48 acre-feet of available post-

pumping augmentation water, which will be sufficient to replace post-pumping depletions based on total pumping of 5.8 annual acre-feet from the Dawson aquifer annually. Upon entry of a decree in this case, the Applicants will be entitled to apply for well permits for the McDonald Wells Nos. 1 through 3 for the uses described herein and in accordance with this decree and otherwise in compliance with C.R.S. §37-90-137. The State Engineer shall be bound by this decree and C.R.S. §37-90-137(4) in issuing new well permits for the McDonald Wells Nos. 1 through 3.

22. Because depletions occur to both the South Platte and Arkansas River systems under the State's groundwater flow model, the Application in this case was filed in both Water Divisions 1 and 2. The return flows set forth above as the augmentation source during the pumping period will accrue to only the South Platte River system where most of the depletions will occur and where the Applicants' Property is located. Under this augmentation plan, the total amount of depletions will be replaced to the South Platte River system as set forth herein and shown on **Exhibit B**, and the Court finds that those replacements are sufficient under this augmentation plan subject to Paragraphs 40-44 herein. Applicant must provide accounting as required by the State Engineer or Division Engineer. Such accounting must include the amount of water pumped by each Denver Basin well, the annual depletion, the amount of replacement water provided by each replacement source, the net impact on the stream and any other information reasonably required by the Division Engineer to properly administer the decree.

23. A certified copy of this decree shall be recorded in the real estate records of El Paso County and shall constitute a covenant running with Applicants' Property, benefitting and burdening said land, requiring Applicants to construct a well(s) to the nontributary Arapahoe and Laramie-Fox Hills aquifers, and requiring Applicants to pump water to replace any injurious post-pumping depletions under this decree. Subject to the requirements of this decree, in order to determine the amount and timing of post-pumping replacement obligations, if any, under this augmentation plan, Applicants or their successors shall use information commonly used by the Colorado Division of Water Resources for augmentation plans of this type at the time. Pursuant to this covenant, the water from the nontributary Arapahoe and Laramie-Fox Hills aquifers reserved herein may not be severed in ownership from the overlying subject property. This covenant shall be for the benefit of, and enforceable by, third parties owning vested water rights who would be materially injured by the failure to provide for the replacement of post-pumping depletions under the decree, and shall be specifically enforceable by such third parties against the owner of the Applicants' Property.

24. Applicants' real property covenants for Applicants' Property shall also include a requirement that any Dawson aquifer well(s) shall be drilled and completed as close as reasonably possible to the bottom of the Dawson aquifer. Applicants shall provide copies of said covenants to the Division Engineer for Water Division No. 1 prior to initiation of the plan for augmentation decreed herein, and shall also furnish copies to the Opposer upon such a request.

25. Applicants or their successors shall be required to initiate pumping from the Arapahoe or Laramie-Fox Hills aquifers for the replacement of post-pumping depletions when either: (i) the absolute total amount of water available from the Dawson aquifer allowed to be withdrawn under the plan for augmentation decreed herein (1,740 acre-feet) has been pumped; (ii) the Applicant or its successors in interest have acknowledged in writing that all withdrawals for beneficial use through the McDonald Well Nos. 1 through 3 have permanently ceased, or (iii) a period of 10 consecutive years where either no withdrawals of groundwater has occurred. Until such time as the post pumping depletions begin the Applicant or their successors must continue to replace during pumping depletions to the stream system using return flows, by pumping water directly to the stream system to replace such depletions or using another approved replacement source.

26. Unless modified by the Court under its retained jurisdiction, Applicants and their successors shall be responsible for accounting and replacement of post-pumping depletions as set forth herein. Should Applicants' obligation hereunder to account for and replace such post-pumping stream depletions be reduced or abrogated for any reason, Applicant may petition the Court to also modify or terminate the reservation of the Arapahoe and Laramie-Fox Hills aquifers groundwater.

27. The term of this augmentation plan is for a period of 300 years, however, the length of the plan for a particular well or wells may be extended beyond such time provided the total plan pumping allocated to such well or wells has not actually been pumped, all terms in this paragraph are met, and the amendment to the augmentation plan decreed herein is approved by the Court. Should the actual operation of this augmentation plan depart from the planned diversions described in Paragraph 21 such that the planned annual diversions have not been pumped, the Applicants may prepare and submit a revised model of stream depletions caused by the actual pumping or intended schedule. This analysis must utilize depletion modeling acceptable to the State Engineer, and to this Court, and must represent the water use under the plan for the entire term of the plan to date. The analysis must show that return flows have equaled or exceeded actual stream depletions throughout the pumping period and that reserved nontributary water remains sufficient to replace post-pumping depletions. If the revised depletion modeling is acceptable to the State Engineer, this Court may approve the amendment to this plan for the extension of this augmentation plan past the 300-year minimum.

28. Consideration has been given to the depletions from Applicants' use and proposed uses of water, in quantity, time and location, together with the amount and timing of augmentation water which will be provided by the Applicants, and the existence, if any, injury to any owner of or person entitled to use water under a vested water right.

29. It is determined that the timing, quantity and location of replacement water under the protective terms in this decree are sufficient to protect the vested rights of other water users and eliminate material injury thereto. The replacement water shall be of a quantity and quality so as to meet the requirements for which the water of senior

appropriators has normally been used, and provided of such quality, such replacement water shall be accepted by the senior appropriators for substitution for water derived by the exercise of the McDonald Well Nos. 1 through 3. As a result of the operation of this plan for augmentation, the depletions from the McDonald Well Nos. 1 through 3 and any additional or replacement wells associated therewith will not result in material injury to the vested water rights of others.

CONCLUSIONS OF LAW

30. The application for Adjudication of Denver Basin Groundwater and Plan for Augmentation was filed with the Water Clerk for Water Divisions 1 and 2, pursuant to C.R.S. §§37-92-302(1)(a) and 37-90-137(9)(c.5). These cases were properly consolidated before Water Division 1.

31. The Applicants' request for adjudication of these water rights is contemplated and authorized by law, and this Court and the Water Referee have exclusive jurisdiction over these proceedings pursuant C.R.S. §§37-92-302(1)(a), 37-92-203, and 37-92-305.

32. Subject to the terms of this decree, the Applicants are entitled to the sole right to withdraw all the legally available water in the Denver Basin aquifers underlying the Applicants' Property, and the right to use that water to the exclusion of all others.

33. The Applicants have complied with C.R.S. §37-90-137(4), and the groundwater is legally available for withdrawal by the requested nontributary well(s), and legally available for withdrawal by the requested not-nontributary well(s) upon the entry of this decree approving an augmentation plan pursuant to C.R.S. §37-90-137(9)(c.5). Applicants are entitled to a decree from this Court confirming its rights to withdraw groundwater pursuant to C.R.S. §37-90-137(4).

34. The Denver Basin water rights applied for in this case are not conditional water rights, but are vested water rights determined pursuant to C.R.S. §37-90-137(4). No applications for diligence are required. The claims for nontributary and not-nontributary groundwater meet the requirements of Colorado Law.

35. The determination and quantification of the nontributary and not-nontributary groundwater rights in the Denver Basin aquifers as set forth herein is contemplated and authorized by law pursuant to C.R.S. §§37-90-137, and 37-92-302 through 37-92-305.

36. The Applicants' request for Adjudication of Denver Basin Groundwater Rights and Plan for Augmentation is contemplated and authorized by law. If administered in accordance with this decree, this revised plan for augmentation will permit the uninterrupted diversions from the McDonald Wells Nos. 1 through 3 without adversely affecting any other vested water rights in the Arkansas River and South Platte River or its

tributaries and when curtailment would otherwise be required to meet a valid senior call for water pursuant to C.R.S. §§37-92-305(3),(5), and (8).

IT IS THEREFORE ORDERED, ADJUDGED AND DECREED AS FOLLOWS:

37. All of the foregoing Findings of Fact and Conclusions of Law are incorporated herein by reference and are considered to be a part of this decretal portion as though set forth in full.

38. The Plan for Augmentation proposed by the Applicants is approved, subject to the terms of this decree.

A. Applicants are awarded a vested right to the entire 3,530 acre-feet of groundwater from the not-nontributary Dawson aquifer underlying Applicants' Property, as quantified in Paragraph 15 or as modified by the Court under its retained jurisdiction. Of the total 3,530 acre-feet, 1,740 acre-feet may be pumped pursuant to the plan for augmentation decreed herein.

B. Applicants are awarded a vested right to 3,180 acre-feet of groundwater from the nontributary Denver aquifer underlying Applicants' Property, as quantified in Paragraph 15 or as modified by the Court under its retained jurisdiction. Subject to the provisions of Rule 8 of the Denver Basin Rules, 2 CCR 402-6, limiting consumption to ninety-eight percent of the amount withdrawn, and the other terms and conditions of this decree, Applicants' Denver aquifer groundwater may be utilized for all purposes described in Paragraph 18.

C. Applicants are awarded a vested right to 1,440 acre-feet of groundwater from the nontributary Arapahoe aquifer underlying Applicants' Property, as quantified in Paragraph 15 or as modified by the Court under its retained jurisdiction. Subject to the provisions of Rule 8 of the Denver Basin Rules, 2 CCR 402-6, limiting consumption to ninety-eight percent of the amount withdrawn, and the other terms and conditions of this decree, Applicants' Arapahoe aquifer groundwater may be utilized for all purposes described in Paragraph 18, although a portion has been reserved for use in the plan for augmentation decreed herein consistent with Paragraph 21.D., above.

D. Applicants are awarded a vested right to 1,080 acre-feet of groundwater from the nontributary Laramie-Fox Hills aquifer underlying Applicants' Property, as quantified in Paragraph 15 or as modified by the Court under its retained jurisdiction. Subject to the provisions of Rule 8 of the Denver Basin Rules, 2 CCR 402-6, limiting consumption to ninety-eight percent of the amount withdrawn, and the other terms and conditions of this decree, Applicants' Laramie-Fox Hills aquifer groundwater may be utilized for all purposes described in Paragraph 18, although a portion has been reserved for use in the plan for augmentation decreed herein consistent with Paragraph 21.D., above.

39. The Applicants have furnished acceptable proof as to all claims and, therefore, the Plan for Augmentation Application, as requested by the Applicants, is granted and approved in accordance with the terms and conditions of this decree. Approval of this Application will not result in any material injury to senior vested water rights.

40. The Applicants shall comply with C.R.S. §37-90-137(9)(b), requiring the relinquishment of the right to consume two percent (2%) of the amount of the nontributary groundwater withdrawn. Ninety-eight percent (98%) of the nontributary groundwater withdrawn may therefore be consumed. No plan for augmentation shall be required to provide for such relinquishment.

41. The McDonald Wells Nos. 1 through 3, and any replacement or additional wells, shall be operated such that combined pumping from all wells does not exceed the annual (5.8 acre-feet) and total (1,740 acre-feet) pumping limits for the Dawson aquifer as decreed herein, and is in accordance with the requirements of the plan for augmentation described herein. The State Engineer, the Division Engineer, and/or the Water Commissioner shall not curtail the diversion and use of water by the McDonald Wells Nos. 1 through 3 or any additional and replacement wells so long as the return flows from the annual diversions associated with the McDonald Wells Nos. 1 through 3 and such other wells accrue to the stream system and the wells operate pursuant to the conditions contained herein. To the extent that Applicants or one of their successors or assigns is ever unable to provide the replacement water required, then the McDonald Wells Nos. 1 through 3 and any additional or replacement wells shall not be entitled to operate under the protection of this plan, and shall be subject to administration and curtailment in accordance with the laws, rules, and regulations of the State of Colorado. Pursuant to C.R.S. §37-92-305(8), the State Engineer shall curtail all out-of-priority diversions which are not so replaced as to prevent injury to vested water rights. In order for this plan for augmentation to operate, return flows from the septic systems discussed herein shall at all times during pumping be in an amount sufficient to replace the amount of stream depletions. Applicants shall be required to have any wells pumping on the Applicants' Property providing water for in-house uses and generating septic system returns prior to pumping the wells for any of the other uses identified in Paragraphs 18 or 21.A prior to construction of the equestrian facility. After the equestrian facility is constructed, the Applicants shall be required to have any wells pumping on the Applicants' Property providing water for both in-house and commercial uses prior to pumping the wells for any of the other uses identified in Paragraphs 18 or 21.A. If depletion modeling has not been revised pursuant to Paragraph 27 above, the return flows from water use in equestrian facility must begin at such a time so that depletions shown on **Exhibit B** are adequately replaced. If for any reason, sufficient return flows are not available to replace the actual depletions as shown on **Exhibit B**, the Applicant must be required to pump water directly into the stream system in the amount that has not been replaced by return flows. If such water is withdrawn from the Dawson aquifer well(s) operated under the augmentation plan the amount of water being pumped from the well(s)

for other purposes must be reduced so that the allowed annual withdrawal from the well(s) is not exceeded. Such replacement must be made prior to the irrigation season for the following year.

42. The Court retains jurisdiction over this matter to make adjustments in the allowed average annual amount of withdrawal from the Denver Basin aquifers, either upwards or downwards, to conform to actual local aquifer characteristics, and that the Applicants need not refile, republish, or otherwise amend this application to request such adjustments. The Court further retains jurisdiction should the Applicants later seek to amend this decree by seeking to prove that post-pumping depletions are noninjurious, that the extent of replacement for post-pumping depletions is less than the amount of water reserved herein, and other post-pumping matters addressed in Paragraph 21.D.

A. At such time as adequate data may be available, Applicants or the State Engineer may invoke the Court's retained jurisdiction as provided in this Paragraph 42 for purposes of making a final determination of water rights as to the quantities of water available and allowed average annual withdrawals from any of the Denver Basin aquifers quantified and adjudicated herein. Any person seeking to invoke the Court's retained jurisdiction for such purpose shall file a verified petition with the Court setting forth with particularity the factual basis for such final determination of Denver Basin water rights under this decree, together with the proposed decretal language to effect the petition. Within four months of the filing of such verified petition, the State Engineer's Office shall utilize such information as available to make a final determination of water rights finding, and shall provide such information to the Court, Applicants, and the petitioning party.

B. If no protest is filed with the Court to such findings by the State Engineer's Office within sixty (60) days, this Court shall incorporate by entry of an Amended Decree such "final determination of water rights", and the provisions of this Paragraph 42 concerning adjustments to the Denver Basin ground water rights based upon local aquifer conditions shall no longer be applicable. In the event of a protest being timely filed, or should the State Engineer's Office make no timely determination as provided in Paragraph 42.A., above, the "final determination of water rights" sought in the petition may be made by the Water Court after notice to all parties and following a full and fair hearing, including entry of an Amended Decree, if applicable in the Court's reasonable discretion.

43. Pursuant to C.R.S. §37-92-304(6), the Court shall retain continuing jurisdiction over the plan for augmentation decreed herein for reconsideration of the question of whether the provisions of this decree are necessary and/or sufficient to prevent injury to vested water rights of others, as pertains to the use of Denver Basin groundwater supplies adjudicated herein for augmentation purposes. The court also retains continuing jurisdiction for the purpose of determining compliance with the terms of the augmentation plan, including the requirement to construct a well in the Arapahoe and the Laramie-Fox Hills aquifers as described in Paragraph 25. The Court further retains jurisdiction should the Applicants later seek to amend this decree by seeking to

prove that post-pumping depletions are noninjurious, that the extent of replacement for post-pumping depletions is less than the amount of water reserved herein, and other post-pumping matters addressed in Paragraph 21.D. The Court's retained jurisdiction may be invoked using the process set forth in Paragraph 42.

44. As pertains to the Denver Basin groundwater supplies, the Court shall retain continuing jurisdiction for so long as Applicants are required to replace depletions to the South Platte River system, to determine whether the replacement of depletions to the South Platte River system instead of the Arkansas River system is causing injury to water rights tributary to the Arkansas River system.

45. Any person seeking to invoke the Court's retained jurisdiction shall file a verified petition with the Court setting forth with particularity the factual basis for the alleged injury and to request that the Court reconsider injury to petitioners' vested water rights associated with the above replacement of depletions under this decree, together with the proposed decretal language to effect the petition. The party filing the petition shall have the burden of proof going forward to establish a prima facie case based on the facts alleged in the petition and that Applicants' failure to replace depletions to the Arkansas River system is causing injury to water rights owned by that party invoking the Court's retained jurisdiction, except that the State and Division Engineer may invoke the Court's retained jurisdiction by establishing a prima facie case that injury is occurring to any vested or conditionally decreed water rights in the Arkansas River system due to the location of Applicants' replacement water. If the Court finds that those facts are established, the Applicants shall thereupon have the burden of proof to show (i) that petitioner is not injured, or (ii) that any modification sought by the petitioner is not required to avoid injury to the petitioner, or (iii) that any term or condition proposed by Applicants in response to the petition does avoid injury to the petitioner. The Division of Water Resources as a petitioner shall be entitled to assert injury to the vested water rights of others.

A. Opposer Cherokee Metropolitan District owns water rights that may be injured by the operation of this decree to the extent that depletions accruing to the Arkansas River system are not replaced to that system. Cherokee reserves the right to claim, under Paragraphs 42 through 45 above, that the cumulative impacts of this decree which do not require replacement to the Arkansas River basin has caused injury to its water rights.

46. Except as otherwise specifically provided in Paragraphs 42-45, above, pursuant to the provisions of C.R.S. §37-92-304(6), this plan for augmentation decreed herein shall be subject to the reconsideration of this Court on the question of injury to vested water rights for a period of five years from the date of entry of decree. Any person, within such period, may petition the Court to invoke its retained jurisdiction. Any person seeking to invoke the Court's retained jurisdiction shall file a verified petition with the Court setting forth with particularity the factual basis for requesting that the Court reconsider injury to petitioner's vested water rights associated with the operation of this decree,

together with proposed decretal language to effect the petition. The party filing the petition shall have the burden of proof of going forward to establish a prima facie case based on the facts alleged in the petition. If the Court finds those facts are established, Applicants shall thereupon have the burden of proof to show: (i) that the petitioner is not injured, or (ii) that any modification sought by the petitioner is not required to avoid injury to the petitioner, or (iii) that any term or condition proposed by Applicants in response to the petition does avoid injury to the petitioner. The Division of Water Resources as a petitioner shall be entitled to assert injury to the vested water rights of others. If no such petition is filed within such period and the retained jurisdiction period is not extended by the Court in accordance with the provisions of the statute, this matter shall become final on the question of injury to vested water rights of others under its own terms, although the Court retains continuing jurisdiction as specifically provided in Paragraphs 42-45.

47. Pursuant to C.R.S. §37-92-502(5)(a), the Applicants shall install and maintain such water measurement devices and recording devices as are deemed necessary by the State Engineer or Division Engineers, and the same shall be installed and operated in accordance with instructions from said entities. Applicants are to install and maintain a totalizing flow meter on each of the McDonald Wells Nos. 1 through 3, or any additional or replacement wells associated therewith, and are required to include geophysical logging on each well. Applicants shall read and record their well meter readings on April 1st and November 1st of each year and shall submit their meter readings to the Water Commissioner by April 15th and November 15th of each year or more frequently as requested by the Water Commissioner.

48. The State Engineer, the Division Engineer, and/or the Water Commissioner shall not curtail the diversion and use of water covered by the McDonald Wells Nos. 1 through 3 so long as the return flows from the annual diversions associated with the McDonald Wells Nos. 1 through 3 accrue to the stream system and the wells operate pursuant to the conditions contained herein. To the extent that Applicants or one of their successors or assigns is ever unable to provide the replacement water required, then the McDonald Wells Nos. 1 through 3 shall not be entitled to operate under the protection of this plan, and shall be subject to administration and curtailment in accordance with the laws, rules, and regulation of the State of Colorado. Pursuant to C.R.S. §37-92-305(8), the State Engineer shall curtail all out-of-priority diversions which are not so replaced as to prevent injury to vested water rights. In order for this plan for augmentation to operate, return flows from the septic systems discussed herein, as appropriate, shall at all times during pumping be in an amount sufficient to replace the amount of stream depletions.

49. The vested water rights, water right structures, and plan for augmentation decreed herein shall be subject to all applicable administrative rules and regulations, as currently in place or as may in the future be promulgated, of the offices of Colorado State and Division Engineers for administration of such water rights, to the extent such rules and regulations are uniformly applicable to other similarly situated water rights and water users. McDonald Well No. 1 shall be permitted as a non-exempt structure under the plan for augmentation decreed herein. The State Engineer shall identify in any permits issued

pursuant to this decree the specific uses which can be made of the groundwater to be withdrawn, and, to the extent the well permit application requests a use that has not been specifically identified in this decree, shall not issue a permit for any proposed use, which use the State Engineer determines to be speculative at the time of the well permit application or which would be inconsistent with the requirements of this decree, any separately decreed plan for augmentation, or any modified decree and augmentation plan.

50. The entire length of open bore holes shall be geophysically surveyed prior to casing and copies of the geophysical log submitted to the Division of Water Resources. Applicants may provide a geophysical log from an adjacent well or test hole, pursuant to Rule 9A of the Statewide Rules and acceptable to the State Engineer, which fully penetrates the aquifer, in satisfaction of the above requirement.

51. Wells constructed to withdraw the decreed groundwater may only withdraw groundwater from a single aquifer. A site-specific evaluation must be conducted with each well permit to identify the correct aquifer interval due to the varied elevations of the aquifers and surface topography.

52. Each well should be equipped with a properly installed and maintained totalizing flow meter, and the applicant may be required to submit diversion records to the division engineer or his representative on an annual basis or as otherwise requested by the division engineer.

53. The McDonald Wells Nos. 1 through 3, and any additional or replacement wells associated with such structures, shall be constructed in accordance with minimum well-spacing requirements promulgated by the State Engineer for wells in the Denver Basin aquifers, and shall be constructed within 600 feet of the locations identified on the attached **Exhibit A** map.

54. This Ruling of Referee, when entered as a decree of the Water Court, shall be recorded in the real property records of El Paso County, Colorado. Copies of this ruling shall be mailed as provided by statute.

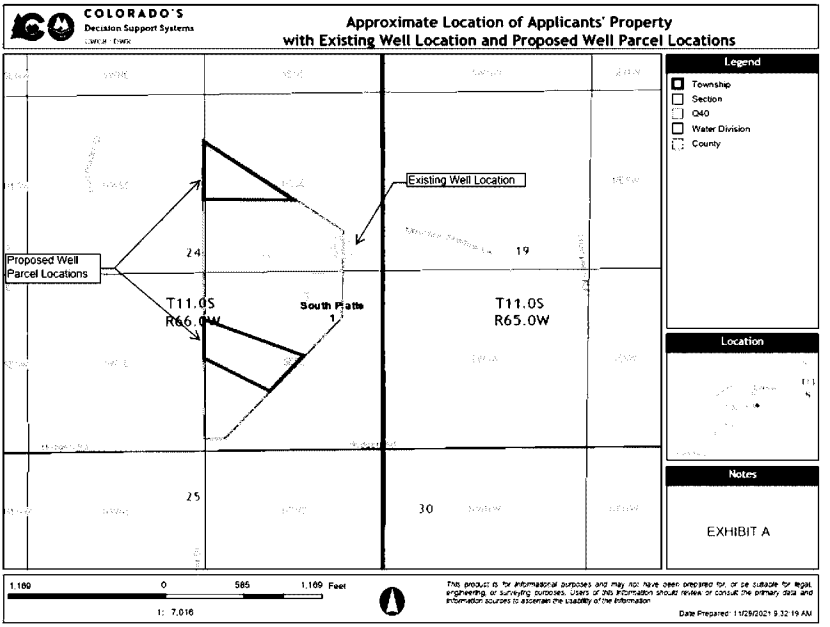
Dated: February 14, 2023

John Cowan
Water Referee
Water Division One

The Court finds that no protest was filed in this matter. The foregoing ruling is confirmed and approved and is made the judgment and decree of this Court.

Dated: March 9, 2023

Todd L. Taylor
Water Judge
Water Division One



Mark McDonald, et al.
21CW3202

EXHIBIT A

Exhibit C Well Permit (Permit No. 88703-F)

COLORADO
Division of Water Resources
Department of Natural Resources

WELL PERMIT NUMBER 88703-F
RECEIPT NUMBER 10029265

ORIGINAL PERMIT APPLICANT(S)

AMANDA M. ENLOE

MARK E. MCDONALD

APPROVED WELL LOCATION

Water Division: 1 Water District: 8
Designated Basin: N/A
Management District: N/A
County: EL PASO
Parcel Name: N/A
Physical Address: N/A

NE 1/4 SE 1/4 Section 24 Township 11.0 S Range 66.0 W Sixth P.M.

UTM COORDINATES (Meters, Zone:13, NAD83)

Easting: 524172.0 Northing: 4325142.0

PERMIT TO USE AN EXISTING 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 37-90-137(4) on the condition that this well is operated in accordance with the augmentation plan approved by the Division 1 Water Court in Case No. 21CW3202. If the well is not operated in accordance with the terms of said decree, it will be subject to administration including orders to cease diverting water.

4) Approved for the change in use of an existing well constructed under permit no. 209839. The issuance of this permit hereby cancels permit no. 209839.

5) The use of groundwater from this well is limited to in-house uses inside a single-family dwelling and guest house, irrigation of lawn, garden, pasture, and greenhouse; the watering of domestic animals and livestock; and equestrian facility for washing, cleaning, animal bathing, dust control, and other sanitary needs for the facility.

6) Production from this well is restricted to the Dawson aquifer.

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

8) The average annual amount of groundwater to be withdrawn shall not exceed 3.8 acre-feet and the total volume of groundwater to be withdrawn shall not exceed 1,140 acre-feet.

9) The entire length of the hole shall be geophysically logged as required by Rule 9 of the Statewide Nontributary Ground Water Rules prior to installing casing.

10) The owner shall mark the well in a conspicuous location with well permit number(s), name of the aquifer, and court case number(s) as appropriate. The owner shall take necessary means and precautions to preserve these markings.

11) 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 Division Engineer upon request.

12) This well shall be located more than 600 feet from any existing well, completed in the same aquifer, that is not owned by the applicant.

13) This well shall be located not more than 200 feet from the location specified on this permit.

14) The return flow from the use of this well must be through an individual wastewater disposal system of the non-evaporative type where the water is returned to the same stream system in which the well is located.

15) This well is subject to administration by the Division Engineer in accordance with applicable decrees, statutes, rules, and regulations.

WELL PERMIT NUMBER 88703-F **RECEIPT NUMBER 10029265**

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.

Wenli Dickinson

Issued By WENLI DICKINSON

Date Issued: 11/6/2023

Expiration Date: N/A

Exhibit D Water Supply Information Summary (Form No. GWS-76)

FORM NO. GWS-76 05/2011

WATER SUPPLY INFORMATION SUMMARY

STATE OF COLORADO, OFFICE OF THE STATE ENGINEER
1313 Sherman St., Room 821, Denver, CO 80203
Main (303) 866-3581 dwr.colorado.gov

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: Misfit Crew Estates

2. LAND USE ACTION: Minor Subdivision

3. NAME OF EXISTING PARCEL AS RECORDED:
SUBDIVISION: , FILING (UNIT) , BLOCK , LOT

4. TOTAL ACREAGE: 35.729 | 5. NUMBER OF LOTS PROPOSED 3 | PLAT MAP ENCLOSED? ☒ YES or ☐ NO

6. PARCEL HISTORY – Please attach copies of deeds, plats, or other evidence or documentation.
A. Was parcel recorded with county prior to June 1, 1972? ☐ YES or ☒ NO
B. Has the parcel ever been part of a division of land action since June 1, 1972? ☒ YES or ☐ NO
If yes, describe the previous action: sale of 35 acre parcel according to Land Survey Plat dated 9/16/1997

7. LOCATION OF PARCEL – Include a map delineating the project area and tie to a section corner.
NE 1/4 of the SE 1/4, Section 24, Township 11 ☐ N or ☒ S, Range 66 ☐ E or ☒ W
Principal Meridian (choose only one): ☒Sixth ☐New Mexico ☐Ute ☐Costilla

Optional GPS Location: GPS Unit must use the following settings: Format must be **UTM**, Units must be **meters**, Datum must be **NAD83**, Unit must be set to **true N**, ☐ Zone 12 or ☐ Zone 13
Easting:
Northing:

8. PLAT – Location of all wells on property must be plotted and permit numbers provided.
Surveyor's Plat: ☒ YES or ☐ NO If not, scaled hand drawn sketch: ☐ YES or ☐ NO

9. ESTIMATED WATER REQUIREMENTS

USE	WATER REQUIREMENTS Gallons per Day	Acre-Feet per Year
(3 units at 0.30 acre-ft/yr each) HOUSEHOLD USE # 3 of units		0.90
See Note 1. COMMERCIAL USE # ____ of S. F		2.3
IRRIGATION # 0.63 of acres		1.56
lot1=10 head;lot 2&3=4 head STOCK WATERING # ____ of head		1.08
OTHER:		
TOTAL		5.8

10. WATER SUPPLY SOURCE

☒ EXISTING WELL ☐ DEVELOPED SPRING
WELL PERMIT NUMBERS 88703-F

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

☐ MUNICPAL
☐ ASSOCIATION
☐ COMPANY
☐ DISTRICT
NAME
LETTER OF COMMITMENT FOR SERVICE ☐ YES or ☐ NO

WATER COURT DECREE CASE NUMBERS:
Case No.: 21CW3202

11. WAS AN ENGINEER'S WATER SUPPLY REPORT DEVELOPED? ☒ YES or ☐ NO IF YES, PLEASE FORWARD WITH THIS FORM. (This may be required before our review is completed.)

12. TYPE OF SEWAGE DISPOSAL SYSTEM
☒ SEPTIC TANK/LEACH FIELD
☐ LAGOON
☐ ENGINEERED SYSTEM (Attach a copy of engineering design.)
☐ CENTRAL SYSTEM
DISTRICT NAME:
☐ VAULT
LOCATION SEWAGE HAULED TO:
☐ OTHER:

Note 1. Commercial (Equestrian)
Washing, cleaning, animal bathing, dust control and other sanitary needs **1.0 acre-feet**
Other permitted uses:Domestic, irrigation, domestic animal and stock watering, equestrian facilities, agricultural, commercial, fire protection, recreation, and also for storage and augmentation associated with such uses. **1.3 acre-feet**

Exhibit E Water Quality Testing Results

Colorado Analytical LABORATORIES, INC.

Analytical Results

TASK NO: 240614023

Report To: David R Gorman, P.E.
Company: Monument Valley Engineers - MVE Civil
1903 Lelaray St
Suite 200
Colorado Springs CO 80909

Bill To: David R Gorman, P.E.
Company: Monument Valley Engineers - MVE Ci
1903 Lelaray St
Suite 200
Colorado Springs CO 80909

Task No.: 240614023
Client PO:
Client Project: McDonals Property 61160

Date Received: 6/14/24
Date Reported: 7/16/24
Matrix: Water - Drinking

Lab Number	Customer Sample ID	Sample Date/Time	Test	Result	Method	Date Analyzed
240614023-01C	01	6/14/24 9:00 AM	Total Coliform	**Absent**	SM 9223	6/15/24
			E-Coli	**Absent**	SM 9223	6/15/24

Abbreviations/ References:

Absent = Coliform Not Detected
Present = Coliform Detected - Chlorination Recommended
Date Analyzed = Date Test Completed
SM = "Standard Methods for the Examination of Water and Wastewater"; APHA; 19th Edition; 1995

DATA APPROVED FOR RELEASE BY

Drinking Water Chain of Custody

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 Information**
Company Name: MYE, INC	Company Name:	PWSID:
Contact Name: DAVE GORMAN	Contact Name:	System Name:
Address: 1903 LEHMAN ST. SUITE 200	Address:	Compliance Samples: Yes ☐ No ☒
City: COLO SPNG State: CO Zip: 80909	City: State: Zip:	Send Results to CDPHE: Yes ☐ No ☒
Phone: 719-635-5736	Phone:	Task Number (Lab Use Only): CAL Task 240614023 KES
Email: DAVEG@MYECIVIL.com	Email:	
Sample Collector: TOM WENDLAND		
Sample Collector Phone: 719-330-8365	PO Number:	

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)	see attached	Gross Alpha/Beta	Radium 226/228	Radon	Uranium	Chlorite
6/14	0900	01																												

Instructions: QBO24050094

C/S Info:

Seals Present Yes ☐ No ☒ Headspace Yes ☒ No ☐

Delivered Via: H C/S Charge ☐ Temp. 5.4 °C /Ice Y Sample Pres. Yes ☒ No ☐

Relinquished By:	Date/Time:	Received By:	Date/Time:	Relinquished By:	Date/Time:	Received By:	Date/Time:
TOM WENDLAND	6/14 10:20					US	6/14/24 1020

Colorado Analytical LABORATORIES, INC.

CAL Task 240614023

KES

Bottle Order Test Detail

Order ID: QBO24050094

Date Created: 5/23/24

Ship To: Monument Valley Engineers - MVE Civil
1903 Lelaray St
Suite 200
Colorado Springs CO 80909

Attention: David R Gorman, P.E.

719-635-5736
Verify All Shipping Addresses*

Shipping Options:
Ship Via: UPS Cooler: Yes

Chain of Custody
Drinking Water: 1
Standard: 0

Customer Needs By: 5/28/24
Ships From: Commerce City

Project:
McDonals Property 61160

Qty.	Bottle / Preservative / Test
1	***100 ml sterile - Na2S2O3***
	Total Coliform P/A - Water - Drinking
1	***1L - Unpreserved***
	Gross Alpha/Beta (Sub) - Water - Drinking
1	***4 - 1L - Unpreserved***
	Radium 226 (Sub) - Water - Drinking
	Radium 228 (Sub) - Water - Drinking
1	***500 ml Cylinder - HNO3***
	Ag - Total - Water - Drinking
	Al - Total - Water - Drinking
	As - Total - Water - Drinking
	Ba - Total - Water - Drinking
	Be - Total - Water - Drinking
	Cd - Total - Water - Drinking
	Cr - Total - Water - Drinking
	Fe - Total - Water - Drinking
	Hg - Water - Drinking
	Mn - Total - Water - Drinking
	Sb - Total - Water - Drinking
	Se - Total - Water - Drinking

****Samples should be shipped or hand delivered the same day they are collected. Orders that require sub-lab analysis should be delivered to the lab Monday thru Wednesday only.****

Internal Shipping Instructions:

Shipped By: _____
Date: _____
Checked By: _____

10411 Heinz Way / Commerce City, CO 80640 / 303-659-2313
Mailing Address: P.O. Box 507 / Brighton, CO 80601-0507

JML

Ship To: Monument Valley Engineers - MVE Civil
1903 Lelaray St
Suite 200
Colorado Springs CO 80909

Attention: David R Gorman, P.E.

719-635-5736
Verify All Shipping Addresses*

CAL Task
240614023
KES

Shipping Options:
Ship Via: UPS Cooler: Yes

Chain of Custody
Drinking Water: **1**
Standard: **0**

Customer Needs By: 5/28/24
Ships From: Commerce City

Project:
McDonals Property 61160

Qty.	Bottle / Preservative / Test
	Tl - Total - Water - Drinking
	Zn - Total - Water - Drinking
1	***500 ml Cylinder - NaOH***
	Cyanide-Total - Water - Drinking
1	***500 ml Cylinder - Unpreserved***
	Chloride - Water - Drinking
	Fluoride - Water - Drinking
	Langelier Index - Water - Drinking
	Nitrate Nitrogen - Water - Drinking
	Nitrate/ Nitrite Nitrogen - Water - Drinking
	Nitrite Nitrogen - Water - Drinking
	Sulfate - Water - Drinking

****Samples should be shipped or hand delivered the same day they are collected. Orders that require sub-lab analysis should be delivered to the lab Monday thru Wednesday only.****

Internal Shipping Instructions:

Shipped By: _____
Date: _____
Checked By: _____

10411 Heinz Way / Commerce City, CO 80640 / 303-659-2313
Mailing Address: P.O. Box 507 / Brighton, CO 80601-0507

Colorado Analytical LABORATORIES, INC.

Analytical Results

TASK NO: 240614023

Report To: David R Gorman, P.E.
Company: Monument Valley Engineers - MVE Civil
1903 Lelaray St
Suite 200
Colorado Springs CO 80909

Bill To: David R Gorman, P.E.
Company: Monument Valley Engineers - MVE Ci
1903 Lelaray St
Suite 200
Colorado Springs CO 80909

Task No.: 240614023
Client PO:
Client Project: McDonals Property 61160

Date Received: 6/14/24
Date Reported: 7/16/24
Matrix: Water - Drinking

Customer Sample ID 01
Sample Date/Time: 6/14/24 9:00 AM
Lab Number: 240614023-01

Test	Result	Method	RL	Date Analyzed	QC Batch ID	Analyzed By
Bicarbonate	**45.7 mg/L as CaCO3**	SM 2320-B	0.2 mg/L as CaCO3	6/18/24	QC74174	KJP
Calcium as CaCO3	**33.2 mg/L**	EPA 200.7	0.1 mg/L	6/18/24	-	JJA
Carbonate	**ND mg/L as CaCO3**	SM 2320-B	0.2 mg/L as CaCO3	6/18/24	QC74174	KJP
Hydroxide	**ND mg/L as CaCO3**	SM 2320-B	0.2 mg/L as CaCO3	6/18/24	QC74174	KJP
Langelier Index	**-2.01 units**	SM 2330-B	units	6/20/24	-	DPL
pH	**6.52 units**	SM 4500-H-B	0.01 units	6/14/24	-	KRB
Temperature	**20 °C**	SM 4500-H-B	1 °C	6/14/24	-	KRB
Total Alkalinity	**45.7 mg/L as CaCO3**	SM 2320-B	4.0 mg/L as CaCO3	6/18/24	QC74174	KJP
Total Dissolved Solids	**73 mg/L**	SM 2540-C	5 mg/L	6/19/24	QC74150	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: 240614023

Report To: David R Gorman, P.E.
Company: Monument Valley Engineers - MVE Civil

Receive Date: 6/14/24
Project Name: McDonals Property 61160

Test	QC Batch ID	QC Type	Result	Method	Prep Date
Total Alkalinity	QC74174	Blank	ND	SM 2320-B	6/18/24
Total Dissolved Solids	QC74150	Blank	ND	SM 2540-C	6/18/24

Test	QC Batch ID	QC Type	Limits	% Rec	RPD	Method
Total Alkalinity	QC74174	Duplicate -240613002-01	0 - 20	-	4.7	SM 2320-B
		LCS	90 - 110	96.5	-	
		LCS-2	90 - 110	101.8	-	
Total Dissolved Solids	QC74150	Duplicate -240617002-01	0 - 10	-	3.2	SM 2540-C
		LCS	85 - 115	98.0	-	

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.

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
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 Information**
Company Name: MYE, INC	Company Name:	PWSID:
Contact Name: DAVE GORMANN	Contact Name:	System Name:
Address: 1903 LEHARAY ST. SUITE 200	Address:	Compliance Samples: Yes ☐ No ☑
City: COLO SPNGS State: CO Zip: 80909	City: State: Zip:	Send Results to CDPHE: Yes ☐ No ☑
Phone: 719-635-5736	Phone:	Task Number (Lab Use Only): CAL Task 240614023 KES
Email: DAVEG@MYECIVIL.COM	Email:	
Sample Collector: TOM WENDLANDT		
Sample Collector Phone: 719-330-8365	PO Number:	

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)	X see attached	Gross Alpha/Beta	Radium 226/228	Radon	Uranium	Chlorite
6/14	0900	01																												

Instructions: QBO24050094

C/S Info:

Seals Present Yes ☐ No ☑ Headspace Yes ☑ No ☐

Delivered Via: H C/S Charge ☐ Temp. 3.4 °C /Ice Y Sample Pres. Yes ☑ No ☐

Relinquished By:	Date/Time:	Received By:	Date/Time:	Relinquished By:	Date/Time:	Received By:	Date/Time:
TOMAS WENDLANDT	6/14 10:20					US	6/14/24 1020

Colorado Analytical LABORATORIES, INC.

CAL Task 240614023

KES

Bottle Order Test Detail

Order ID: QBO24050094

Date Created: 5/23/24

Ship To: Monument Valley Engineers - MVE Civil
1903 Lelaray St
Suite 200
Colorado Springs CO 80909

Attention: David R Gorman, P.E.

719-635-5736
Verify All Shipping Addresses*

Shipping Options:
Ship Via: UPS Cooler: Yes

Chain of Custody
Drinking Water: 1
Standard: 0

Customer Needs By: 5/28/24
Ships From: Commerce City

Project:
McDonals Property 61160

Qty.	Bottle / Preservative / Test
1	***100 ml sterile - Na2S2O3***
	Total Coliform P/A - Water - Drinking
1	***1L - Unpreserved***
	Gross Alpha/Beta (Sub) - Water - Drinking
1	***4 - 1L - Unpreserved***
	Radium 226 (Sub) - Water - Drinking
	Radium 228 (Sub) - Water - Drinking
1	***500 ml Cylinder - HNO3***
	Ag - Total - Water - Drinking
	Al - Total - Water - Drinking
	As - Total - Water - Drinking
	Ba - Total - Water - Drinking
	Be - Total - Water - Drinking
	Cd - Total - Water - Drinking
	Cr - Total - Water - Drinking
	Fe - Total - Water - Drinking
	Hg - Water - Drinking
	Mn - Total - Water - Drinking
	Sb - Total - Water - Drinking
	Se - Total - Water - Drinking

****Samples should be shipped or hand delivered the same day they are collected. Orders that require sub-lab analysis should be delivered to the lab Monday thru Wednesday only.****

Internal Shipping Instructions:

Shipped By: ___

Date: ___

Checked By: ___

10411 Heinz Way / Commerce City, CO 80640 / 303-659-2313
Mailing Address: P.O. Box 507 / Brighton, CO 80601-0507

JML

Ship To: Monument Valley Engineers - MVE Civil
1903 Lelaray St
Suite 200
Colorado Springs CO 80909

Attention: David R Gorman, P.E.

719-635-5736
Verify All Shipping Addresses*

CAL Task
240614023

KES

Shipping Options:
Ship Via: UPS Cooler: Yes

Chain of Custody
Drinking Water: **1**
Standard: **0**

Customer Needs By: 5/28/24
Ships From: Commerce City

Project:
McDonals Property 61160

Qty.	Bottle / Preservative / Test
	Tl - Total - Water - Drinking
	Zn - Total - Water - Drinking
1	***500 ml Cylinder - NaOH***
	Cyanide-Total - Water - Drinking
1	***500 ml Cylinder - Unpreserved***
	Chloride - Water - Drinking
	Fluoride - Water - Drinking
	Langelier Index - Water - Drinking
	Nitrate Nitrogen - Water - Drinking
	Nitrate/ Nitrite Nitrogen - Water - Drinking
	Nitrite Nitrogen - Water - Drinking
	Sulfate - Water - Drinking

****Samples should be shipped or hand delivered the same day they are collected. Orders that require sub-lab analysis should be delivered to the lab Monday thru Wednesday only.****

Internal Shipping Instructions:

Shipped By: _____
Date: _____
Checked By: _____

10411 Heinz Way / Commerce City, CO 80640 / 303-659-2313
Mailing Address: P.O. Box 507 / Brighton, CO 80601-0507

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

Lab Control ID: 24H02195
Received: Jun 17, 2024
Reported: Jul 15, 2024
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: 24H02195
Received: Jun 17, 2024
Reported: Jul 15, 2024
Purchase Order No.
None Received

Customer ID: 05377Z
Account ID: Z01034

ANALYTICAL REPORT

Rebecca Manzanares
Colorado Analytical Laboratories, Inc.

Lab Sample ID	24H02195-001						
Customer Sample ID	**240614023-01D** - 61160 McDonals Property - 01 sampled on 06/14/24 @ 0900						
Parameter	**Units**	**Code**	Result	Precision* +/-	Detection Limit	Method	Analysis Date / Time	Analyst
Gross Alpha	**pCi/L**	**T**	2.3	1.8	1.3	SM 7110 B	07/03/24 @ 0741	JR
Gross Beta	**pCi/L**	**T**	4.6	2.6	1.8	SM 7110 B	07/03/24 @ 0741	JR

Lab Sample ID	24H02195-002						
Customer Sample ID	**240614023-01E** - 61160 McDonals Property - 01 sampled on 06/14/24 @ 0900						
Parameter	**Units**	**Code**	Result	Precision* +/-	Detection Limit	Method	Analysis Date / Time	Analyst
Radium-226	**pCi/L**	**T**	1.4	0.4	0.2	SM 7500-Ra B	07/09/24 @ 1217	KT
Radium-228	**pCi/L**	**T**	2.6	0.7	0.2	EPA pg.19	07/03/24 @ 1308	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: 07/03/2024

Batch QC Summary Form

Analyte: Gross Alpha

Control Standard/LFB: ID: C11-006 pCi/mL: 57.4 (use 1 diluted)

Spike Solution: ID: C11-006 pCi/mL: 57.4 (use 1 mL)

Spike Recovery Calculation: Sample: Tap

$$\text{Calculation: } \frac{(339.2)\ (0.200) - (1.9)\ (0.200)}{57.4} \times 100 = 118\%$$

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:

24H02128	24H02205
24H02165	24H02218
24H02167	24H02220
24H02189	24H02229
24H02190	24H02235
24H02191	24H02240
24H02192	24H02267
24H02195	
24H02203	
24H02204	

Evaluator: 

07/08/2024
Date

HAZEN RESEARCH, INC.
RADIOCHEMISTRY LABORATORY Date: 07/03/2024

Batch QC Summary Form

Analyte: Gross Beta

Control Standard/LFB: ID: C11-006 pCi/mL: 44 (use 1 diluted)

Spike Solution: ID: C11-006 pCi/mL: 44 (use 1 mL)

Spike Recovery Calculation: Sample: Tap

$$\text{Calculation: } \frac{(203.6)\ (0.200) - (0.95)\ (0.200)}{44} \times 100 = 92.1\%$$

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:

24H02128	24H02205
24H02165	24H02218
24H02167	24H02220
24H02189	24H02229
24H02190	24H02235
24H02191	24H02240
24H02192	24H02267
24H02195	
24H02203	
24H02204	

Evaluator: 

07/08/2024
Date

HAZEN RESEARCH, INC.
RADIOCHEMISTRY LABORATORY Date: 07/09/2024

Batch QC Summary Form

Analyte: Radium-226

Control Standard/LFB: ID: C73-005 pCi/mL: 21.1 (use 2 diluted)

Spike Solution: ID: C73-005 pCi/mL: 21.1 (use 2 mL)

Spike Recovery Calculation: Sample: 24H02267-02c

$$\text{Calculation: } \frac{(40.4)\ (1.000) - (0.1)\ (1.000)}{42.2} \times 100 = 95.5\%$$

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:

24H02164	
24H02195	
24H02196	
24H02207	
24H02227	
24H02235	
24H02267	
24H02279	

Evaluator: _____

07/15/2024
Date

HAZEN RESEARCH, INC.
RADIOCHEMISTRY LABORATORY Date: 07/02/2024

Batch QC Summary Form

Analyte: Radium-228

Control Standard/LFB: ID: C6-007 pCi/mL: 14.1 (use 5 diluted)

Spike Solution: ID: C6-007 pCi/mL: 14.1 (use 5 mL)

Spike Recovery Calculation: Sample: 24H02195-002b

$$\text{Calculation: } \frac{(70.4)\ (1.000) - (2.6)\ (1.000)}{70.5} \times 100 = 96.2\%$$

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:

24H02166	
24H02167	
24H02195	
24H02196	

Evaluator: Roxanne Sullivan

Date 7/12/2024

24H 02195

Colorado Analytical LABORATORIES, INC.

Ship To: Hazen Rese
Preserved: (Y) N
HNO3 Lot #: 2021041412
Date Preserved: 6/14/24

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		61160 McDonals Property
Address: 10411 Heinz Way Commerce City, CO 80640 Phone: 303-659-2313	Address: CAL TASK 240614023 KES	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
6/14/24	9:00 AM	240614023-01D - 01	Water - Drinking		X		1L - Unpreserved
6/14/24	9:00 AM	240614023-01E - 01	Water - Drinking	X		X	4 - 1L - Unpreserved

Comment:

4.6°

PH J = less than 2. D.B

Relinquished by: (Signature)	Date: Time:	Received by: (Signature)	Date: Time:	Relinquished by: (Signature)	Date: Time:	Received by: (Signature)	Date: Time:
KS	6/17/24 0830					RECEIVED JUN 17 2024	1410

Page 1 of 1 DB

Colorado Analytical LABORATORIES, INC.

Analytical Results

TASK NO: 240614023

Report To: David R Gorman, P.E.
Company: Monument Valley Engineers - MVE Civil
1903 Lelaray St
Suite 200
Colorado Springs CO 80909

Bill To: David R Gorman, P.E.
Company: Monument Valley Engineers - MVE Ci
1903 Lelaray St
Suite 200
Colorado Springs CO 80909

Task No.: 240614023
Client PO:
Client Project: McDonals Property 61160

Date Received: 6/14/24
Date Reported: 7/16/24
Matrix: Water - Drinking

Customer Sample ID 01
Sample Date/Time: 6/14/24 9:00 AM
Lab Number: 240614023-01

Test	Result	Method	RL	MCL	Date Analyzed	QC Batch ID	Analyzed By
Nitrate/ Nitrite Nitrogen	**1.64 mg/L**	Calculation	0.05 mg/L		6/17/24	-	NRP
Chloride	**1.7 mg/L**	EPA 300.0	0.1 mg/L	250	6/14/24	QC74118	NRP
Fluoride	**0.20 mg/L**	EPA 300.0	0.10 mg/L	4	6/14/24	QC74122	NRP
Nitrate Nitrogen	**1.64 mg/L**	EPA 300.0	0.05 mg/L	10	6/14/24	QC74119	NRP
Nitrite Nitrogen	**ND mg/L**	EPA 300.0	0.03 mg/L	1	6/14/24	QC74123	NRP
Sulfate	**4.7 mg/L**	EPA 300.0	0.1 mg/L	250	6/14/24	QC74121	NRP
Cyanide-Total	**ND mg/L**	EPA 335.4	0.005 mg/L		6/20/24	QC74198	KRB
Total							
Iron	**ND mg/L**	EPA 200.7	0.005 mg/L		6/18/24	QC74144	JJA
Aluminum	**ND mg/L**	EPA 200.8	0.001 mg/L	0.05	6/18/24	QC74145	MBN
Antimony	**ND mg/L**	EPA 200.8	0.0012 mg/L	0.006	6/18/24	QC74145	MBN
Arsenic	**ND mg/L**	EPA 200.8	0.0006 mg/L	0.01	6/18/24	QC74145	MBN
Barium	**0.0720 mg/L**	EPA 200.8	0.0007 mg/L	2	6/18/24	QC74145	MBN
Beryllium	**ND mg/L**	EPA 200.8	0.0001 mg/L	0.004	6/18/24	QC74145	MBN
Cadmium	**ND mg/L**	EPA 200.8	0.0001 mg/L	0.005	6/18/24	QC74145	MBN
Chromium	**ND mg/L**	EPA 200.8	0.0015 mg/L	0.1	6/18/24	QC74145	MBN
Manganese	**ND mg/L**	EPA 200.8	0.0008 mg/L	0.05	6/18/24	QC74145	MBN
Mercury	**ND mg/L**	EPA 200.8	0.0001 mg/L	0.002	6/18/24	QC74145	MBN
Selenium	**0.0013 mg/L**	EPA 200.8	0.0008 mg/L		6/18/24	QC74145	MBN
Silver	**ND mg/L**	EPA 200.8	0.0005 mg/L	0.1	6/18/24	QC74145	MBN

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: 240614023

Report To: David R Gorman, P.E.
Company: Monument Valley Engineers - MVE Civil
1903 Lelaray St
Suite 200
Colorado Springs CO 80909

Bill To: David R Gorman, P.E.
Company: Monument Valley Engineers - MVE Ci
1903 Lelaray St
Suite 200
Colorado Springs CO 80909

Task No.: 240614023
Client PO:
Client Project: McDonals Property 61160

Date Received: 6/14/24
Date Reported: 7/16/24
Matrix: Water - Drinking

Customer Sample ID 01
Sample Date/Time: 6/14/24 9:00 AM
Lab Number: 240614023-01

Test	Result	Method	RL	MCL	Date Analyzed	QC Batch ID	Analyzed By
Total							
Thallium	**ND mg/L**	EPA 200.8	0.0002 mg/L	0.002	6/18/24	QC74145	MBN
Zinc	**0.059 mg/L**	EPA 200.8	0.001 mg/L	5	6/18/24	QC74145	MBN

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: 240614023

Report To: David R Gorman, P.E.
Company: Monument Valley Engineers - MVE Civil

Receive Date: 6/14/24
Project Name: McDonals Property 61160

Test	QC Batch ID	QC Type	Result	Method	Prep Date
Chloride	QC74118	Blank	ND	EPA 300.0	6/14/24
Cyanide-Total	QC74198	Blank	ND	EPA 335.4	6/19/24
Fluoride	QC74122	Blank	ND	EPA 300.0	6/14/24
Aluminum	QC74145	Method Blank	ND	EPA 200.8	6/14/24
Antimony	QC74145	Method Blank	ND	EPA 200.8	6/14/24
Arsenic	QC74145	Method Blank	ND	EPA 200.8	6/14/24
Barium	QC74145	Method Blank	ND	EPA 200.8	6/14/24
Beryllium	QC74145	Method Blank	ND	EPA 200.8	6/14/24
Cadmium	QC74145	Method Blank	ND	EPA 200.8	6/14/24
Chromium	QC74145	Method Blank	ND	EPA 200.8	6/14/24
Manganese	QC74145	Method Blank	ND	EPA 200.8	6/14/24
Mercury	QC74145	Method Blank	ND	EPA 200.8	6/14/24
Selenium	QC74145	Method Blank	ND	EPA 200.8	6/14/24
Silver	QC74145	Method Blank	ND	EPA 200.8	6/14/24
Thallium	QC74145	Method Blank	ND	EPA 200.8	6/14/24
Zinc	QC74145	Method Blank	ND	EPA 200.8	6/14/24
Iron	QC74144	Method Blank	ND	EPA 200.7	6/14/24
Nitrate Nitrogen	QC74119	Blank	ND	EPA 300.0	6/14/24
Nitrite Nitrogen	QC74123	Blank	ND	EPA 300.0	6/14/24
Sulfate	QC74121	Blank	ND	EPA 300.0	6/14/24

Test	QC Batch ID	QC Type	Limits	% Rec	RPD	Method
Chloride	QC74118	Duplicate -240614011-01	0 - 20	-	0.5	EPA 300.0
		LCS	90 - 110	100.0	-	
		MS -240614011-01	75 - 125	98.7	-	
Cyanide-Total	QC74198	Duplicate -240614002-01	0 - 20	-	0.0	EPA 335.4
		LCS	90 - 110	95.0	-	
		MS -240613086-01	75 - 125	81.0	-	
Fluoride	QC74122	Duplicate -240614023-01	0 - 20	-	2.0	EPA 300.0
		LCS	90 - 110	92.6	-	
		MS -240614023-01	75 - 125	94.7	-	
Aluminum	QC74145	LCS	90 - 110	92.0	-	EPA 200.8
		MS -240614002-02	70 - 130	107.6	-	
		MSD -240614002-02	0 - 10	-	0.2	
Antimony	QC74145	LCS	90 - 110	101.2	-	EPA 200.8
		MS -240614002-02	70 - 130	91.9	-	
		MSD -240614002-02	0 - 10	-	5.9	
Arsenic	QC74145	LCS	90 - 110	109.9	-	EPA 200.8
		MS -240614002-02	70 - 130	99.8	-	
		MSD -240614002-02	0 - 10	-	4.6	
Barium	QC74145	LCS	90 - 110	101.6	-	EPA 200.8

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.

Test	QC Batch ID	QC Type	Limits	% Rec	RPD	Method
		MS -240614002-02	70 - 130	94.2	-	
		MSD -240614002-02	0 - 10	-	4.9	
Beryllium	QC74145	LCS	90 - 110	100.3	-	EPA 200.8
		MS -240614002-02	70 - 130	105.9	-	
		MSD -240614002-02	0 - 10	-	3.6	
Cadmium	QC74145	LCS	90 - 110	107.8	-	EPA 200.8
		MS -240614002-02	70 - 130	92.4	-	
		MSD -240614002-02	0 - 10	-	1.0	
Chromium	QC74145	LCS	90 - 110	100.8	-	EPA 200.8
		MS -240614002-02	70 - 130	110.1	-	
		MSD -240614002-02	0 - 10	-	0.7	
Manganese	QC74145	LCS	90 - 110	100.1	-	EPA 200.8
		MS -240614002-02	70 - 130	101.4	-	
		MSD -240614002-02	0 - 10	-	4.4	
Mercury	QC74145	LCS	90 - 110	95.6	-	EPA 200.8
		MS -240614002-02	70 - 130	92.5	-	
		MSD -240614002-02	0 - 10	-	1.5	
Selenium	QC74145	LCS	90 - 110	108.5	-	EPA 200.8
		MS -240614002-02	70 - 130	90.2	-	
		MSD -240614002-02	0 - 10	-	2.0	
Silver	QC74145	LCS	90 - 110	107.5	-	EPA 200.8
		MS -240614002-02	70 - 130	90.2	-	
		MSD -240614002-02	0 - 10	-	0.8	
Thallium	QC74145	LCS	90 - 110	100.9	-	EPA 200.8
		MS -240614002-02	70 - 130	96.3	-	
		MSD -240614002-02	0 - 10	-	3.2	
Zinc	QC74145	LCS	90 - 110	100.0	-	EPA 200.8
		MS -240614002-02	70 - 130	104.1	-	
		MSD -240614002-02	0 - 10	-	7.9	
Iron	QC74144	Duplicate -240614029-01	0 - 20	-	0.0	EPA 200.7
		LCS	90 - 110	100.9	-	
		MS -240614023-01A	75 - 125	111.2	-	
Nitrate Nitrogen	QC74119	Duplicate -240614011-01	0 - 20	-	0.0	EPA 300.0
		LCS	90 - 110	96.8	-	
		MS -240614011-01	75 - 125	91.0	-	
Nitrite Nitrogen	QC74123	Duplicate -240614023-01	0 - 20	-	0.0	EPA 300.0
		LCS	90 - 110	93.8	-	
		MS -240614023-01	75 - 125	95.4	-	
Sulfate	QC74121	Duplicate -240614011-01	0 - 20	-	0.3	EPA 300.0
		LCS	90 - 110	98.0	-	
		MS -240614011-01	75 - 125	103.4	-	

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) 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.

Drinking Water Chain of Custody

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 Information**
Company Name: MYE, INC	Company Name:	PWSID:
Contact Name: DAVE GORMANN	Contact Name:	System Name:
Address: 1903 LEWARY ST. SUITE 200	Address:	Compliance Samples: Yes ☐ No ☒
City: CRIPPLE CREEK State: CO Zip: 80909	City: State: Zip:	Send Results to CDPHE: Yes ☐ No ☒
Phone: 719-635-5736	Phone:	Task Number (Lab Use Only) CAL Task 240614023 KES
Email: DAVEG@MYECIVIL.COM	Email:	
Sample Collector: TOM WENDUNN		
Sample Collector Phone: 719-330-8365	PO Number:	

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

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)	Free attached	**Subcontract Analyses** Gross Alpha/Beta	Radium 226/228	Radon	Uranium	Chlorite
6/14	0900	01																											

Instructions: QBO240500094

C/S Info:

Delivered Via: H

C/S Charge ☐

Seals Present Yes ☐ No ☒ Headspace Yes ☒ No ☐

Temp. 3.4 °C /Ice Y

Sample Pres. Yes ☒ No ☐

Relinquished By:	Date/Time:	Received By:	Date/Time:	Relinquished By:	Date/Time:	Received By:	Date/Time:
TOMAS WENDUNN	6/14 10:20					WS	6/14/24 1020

Colorado Analytical LABORATORIES, INC.

CAL Task 240614023

KES

Bottle Order Test Detail

Order ID: QBO24050094

Date Created: 5/23/24

Ship To: Monument Valley Engineers - MVE Civil
1903 Lelaray St
Suite 200
Colorado Springs CO 80909

Attention: David R Gorman, P.E.

719-635-5736
Verify All Shipping Addresses*

Shipping Options:
Ship Via: UPS
Cooler: Yes

Chain of Custody
Drinking Water: 1
Standard: 0

Customer Needs By: 5/28/24
Ships From: Commerce City

Project:
McDonals Property 61160

Qty.	Bottle / Preservative / Test
1	***100 ml sterile - Na2S2O3***
	Total Coliform P/A - Water - Drinking
1	***1L - Unpreserved***
	Gross Alpha/Beta (Sub) - Water - Drinking
1	***4 - 1L - Unpreserved***
	Radium 226 (Sub) - Water - Drinking
	Radium 228 (Sub) - Water - Drinking
1	***500 ml Cylinder - HNO3***
	Ag - Total - Water - Drinking
	Al - Total - Water - Drinking
	As - Total - Water - Drinking
	Ba - Total - Water - Drinking
	Be - Total - Water - Drinking
	Cd - Total - Water - Drinking
	Cr - Total - Water - Drinking
	Fe - Total - Water - Drinking
	Hg - Water - Drinking
	Mn - Total - Water - Drinking
	Sb - Total - Water - Drinking
	Se - Total - Water - Drinking

****Samples should be shipped or hand delivered the same day they are collected. Orders that require sub-lab analysis should be delivered to the lab Monday thru Wednesday only.****

Internal Shipping Instructions:

Shipped By: _____
Date: _____
Checked By: _____

10411 Heinz Way / Commerce City, CO 80640 / 303-659-2313
Mailing Address: P.O. Box 507 / Brighton, CO 80601-0507

Ship To: Monument Valley Engineers - MVE Civil
1903 Lelaray St
Suite 200
Colorado Springs CO 80909

Attention: David R Gorman, P.E.

719-635-5736
Verify All Shipping Addresses*

CAL Task
240614023

KES

Shipping Options:
Ship Via: UPS Cooler: Yes

Chain of Custody
Drinking Water: 1
Standard: 0

Customer Needs By: 5/28/24
Ships From: Commerce City

Project:
McDonals Property 61160

Qty.	Bottle / Preservative / Test
	Tl - Total - Water - Drinking
	Zn - Total - Water - Drinking
1	***500 ml Cylinder - NaOH***
	Cyanide-Total - Water - Drinking
1	***500 ml Cylinder - Unpreserved***
	Chloride - Water - Drinking
	Fluoride - Water - Drinking
	Langelier Index - Water - Drinking
	Nitrate Nitrogen - Water - Drinking
	Nitrate/ Nitrite Nitrogen - Water - Drinking
	Nitrite Nitrogen - Water - Drinking
	Sulfate - Water - Drinking

****Samples should be shipped or hand delivered the same day they are collected. Orders that require sub-lab analysis should be delivered to the lab Monday thru Wednesday only.****

Internal Shipping Instructions:

Shipped By: _____
Date: _____
Checked By: _____

10411 Heinz Way / Commerce City, CO 80640 / 303-659-2313
Mailing Address: P.O. Box 507 / Brighton, CO 80601-0507