HAMMERS CONSTRUCTION, INC
1411 Woolsey Heights. Colorado Springs, Colorado. 80915-5400
(719) 570-1599 | www.hammersconstruction.com
Specializing in Design/Build
Steve Hammers, President

Water Resource Report

Site:
Address: 846 Struthers Ranch Rd.
Lot Size: 221,284 sf (5.08 acres)
Zoning: PUD
Parcel number: 71363-01-001
Legal Description: Tract A Struthers Ranch Sub Filing No. 2
To be replatted as Lots 1, 2 & Tract A, Struthers Ranch Subdivision Filing No 2A

Description:
To subdivide the existing Tract A of 5.08 acres into the following:

- Lot 1: 167,653 sf/3.85 acres (existing 11,375 sf church building on site)
- Lot 2: 43,560 sf/1 acre (new lot for a 5,000 sf building used for accessory storage and some office space building for the church's use)
- Tract A: 10,303 sf/0.24 acre (existing water quality pond that supports both lots)

Water Demands for the Property
Just to note: Donala Water & Sanitation District (Donala) has adequate water supply to meet the needs of the proposed commercial subdivision on a 300 year supply basis. Wastewater treatment will also be provided by Donala and is addressed in the wastewater disposal report.

The lots proposed are planned as commercial development. It will demand typical commercial and irrigation water service constants per EPC Land code per Section 8.4.7(B)(7)(d). The current proposal is to have 2,080 sf of irrigated land at a constant of .0566/af/1,000 sf and 16,375 sf of commercial buildings at 0.10 gpd/sf constant. This is projected to require 1.02 AF/year on Lot 1 and 0.45 AF/year on Lot 2. Irrigation demand is estimated to have 0.118 AF/year. Overall demands for the development are estimated at 1.588 AF/year.

Service:
The proposed subdivision is located within the Donala Water & Sanitation Distric service area. Therefore, the lots can and will be provided water services by Donala (see service commitment letter provided by Donala). To provide service to the (1) new proposed lot, a 1" service line will be extended from an existing 8" PVC private water main. An existing 8" PVC public water main located in Struthers Ranch Road supports this line. These existing line supports the existing church and has adequate water service pressure and fire flows. Once Lot 2 gets developed, the developer's engineer will need to work with Donala's development department and Monument Fire Protection District to determine final size and proposed water main and associated water tap fees, etc.

District Water Needs & Projected Demands

Actual Water Demand Summary

Donala Water & Sanitation District stated water demand from 1987 (472.61 AF) through 2014 (528 AF) as shown in the Utility Resources Report Table II-8. Demands rose from 1987 through 2011 to annual demand of 1139.95 AF. From that point, water demand declined for 2012, 2013 and 2014. 2014 demands were near 1987 demands likely due to new and more efficient water fixtures, using reuse water on the Glen Eyrie golf course, as well as water restrictions due to drought conditions in the area. Other surrounding utilities have noted the same trends with water consumption staying stable while growth trends rise.

In 2014, water demand was 814.90 AF/year. It was also predicted that to meet projected water demands an additional 42.46 AF/year would be required each year from 2015 – 2019.

Donala's supply features 1753 AF/year of nontributary supply, 690.6 AF/year not-nontributary supply, 492.7 AF/year other non-renewable sources, and 280 AF/year of Willow Ranch renewable water supply. Total water supply including all sources per the 2014 Utility Resources Report is 3216.3 acre-feet per year.

Donala is in the legal process of securing additional renewable water rights from the Laundrie right. This will increase the overall water supply for the District.

Unit Water User Characteristics

Unit water user characteristics are counted on a Single-Family Equivalent (SFE) basis. In the 2014 Utility Resources Report, it was estimated that average demand per capita was 0.61 AF/year/SFE for a single-family unit, 0.32 AF/year/SFE for a multi-family unit, and 0.88 AF/year for a commercial property.

It should be noted that water saving fixtures have increased in installation since 2014 across the United States. The above stated demand numbers should be considered conservative.

Current Demands versus Supply

As mentioned above, Donala's current sources for the water system can supply 3216.3 AF/year. Demand in 2014 was approximately 815 AF/year. With a conservative local growth rate of 10% and maintaining the current requirements for low flow water fixtures and summer water restrictions, Donala would use 1922 AF/year in year 2023 leaving 1294.3 AF/year in excess supply for use with additional build-out.

Water Rights & Supply

Utility Water Rights

Donala Water & Sanitation District has water rights from several different ground water sources and surface water rights. Rights are secured in the Denver Basin, from the Willow Creek Ranch in Leadville, Colorado, and a 20-year lease from Pueblo Board of Water Works.

Adequacy of Water Rights

Current water rights holdings are adequate for current demands. The Donala Water & Sanitation District predicts that full buildout demand will increase from 2,676 SFEs in 2014 to 3,200 SFEs at full buildout. This represents an approximate increased water demand of 320 AF/year for full Donala buildout that will likely be complete pre-2070. However, stated growth estimates are extremely conservative and do not account for the observed decrease in water consumption per

capita. Donala's planned holdings are adequate to meet 100% of 2040 and 2060 buildout projections on a 300-year basis (Donala buildout is expected to occur pre-2070).
It is important to note that Donala Water & Sanitation District has legal authority to serve a majority their District on 100-year supply basis. An excerpt from the Utility Resources Report regarding this situation is seen below.
The water resource information summarized above is based upon a 100-year supply. The water supply beneath the property contained within the District has been legally secured by the Donala Water and Sanitation District. The District has both a policy and a legal obligation only to commit to serving a 100-year supply to any subdivision within its service area. Subdivision requests (preliminary plats) submitted to El Paso County by area developers since November 20, 1986, have been accompanied with a requested waiver of the 300-year water supply requirement contained within the county regulations under Section 8.4. 7 of the Land Development Code. Waivers have been granted to the developers based upon, in part, the District's quality service record, the fact that the District as in place a viable nontributary water supply and the District is the responsible entity to provide the service. The District has committed 300 years of water to the 175 acre Ridge at Fox Run development and High Meadow at Fox Run.

Description of Current Water Rights/Sources
The District's current water rights include non-renewable supplies in the Denver Basin as well as surface water rights from the Willow Creek Ranch and a lease from the Pueblo Board of Water Works. Donala Water and Sanitation District is also in the legal process to use their Laundrie surface water rights. An in-depth description of these sources, deliveries, and treatments are contained in "Appendix A" of the Donala Utility Resources Report.

Non-Renewable Denver Basin Supply
Most of the water supply for the Donala Water & Sanitation District currently is supplied through the Denver Basin. It is Donala's goal to be supplying 100% renewable water by 2031.

Denver Basin Water Rights 2014:
Non-nontributary water rights 690.6 AF/year
Nontributary water rights 1753 AF/year
Other non-renewable water rights 492.7 AF/year

Willow Creek Ranch Water Source
Donala purchased Willow Creek Ranch in November 2008. With this purchase, the District acquired 280 AF/year of surface water. This water is used through an intergovernmental agreement with Colorado Springs Utilities (CSU). The physical interconnect with CSU was completed in 2011 and is operational. Willow Creek Ranch water source provides Donala 280 AF/year of renewable water supply. This water is provided through an IGA trade with Colorado Springs Utilities. Donala is considered a consecutive water system to CSU. CSU's water quality report is provided in Appendix B.

Water System Facilities & Physical Supply

Source of Supply

See Section 4.3 above for description of available water sources 5.2 Water Treatment Donala owns and operates two (2) water treatment facilities. All source water is treated before distribution through one of the two water treatment plants. These water treatment plants are the R. Hull Water Treatment Plant and the Holbein Water Treatment Plant. See Section 5.6 below for a description of the resulting water quality resulting from treatment processes employed at the two water treatment plants. Overall, the Donala water treatment system has 4.5 million gallons per Day (MGD) of sustained water treatment capacity. The purpose of the primary treatment at both plants is to remove iron and manganese. Radium, found in the northern El Paso County Denver aquifer water systems, is also removed with this process. Additionally, corrosion control is also employed at both water treatment plants.

Water Storage

Donala has four potable water tanks, ranging in size from 1.0 million gallons to 1.25 million gallons, for a total storage capacity of 4.75 million gallons within their district.

Distribution, Pumping, and Transmission Lines

Donala Water & Sanitation District delivers potable water to most residential and commercial entities within its boundaries. There are five pressure zones withing the distribution system. Donala can meet required pressures with the five zones ranging in sustained pressure from 65 pounds per square inch (psi) to 125 psi.

Recent and Upcoming System Expansions

Donala must currently supply water using non-renewable groundwater sources. They have purchased surface water through the acquisition of a 711-acre ranch near Leadville. The District is also leasing water from the Pueblo Board of Water Works. With the Denver Basin non-renewable water sources becoming less reliable over time, it is Donala's goal to use all renewable water sources by 2031.

Additional Renewable Water Rights

Donala Water & Sanitation District is currently in the process of placing the 2017 Laughlin Water Right into service through court action. It is the desire of Donala to secure 100% water rights or leases for potable water distribution by 2031. Holbein Plant A Water Treatment Plant CDPHE notified Donala that the District had a Maximum Contaminant Level (MCL) exceedance for radium at this plant in the 3rd quarter of 2021. The plant was shut down on in October 2021. Radium treatment media was replaced in the plant in 2022, but the plant will not be placed into operation until the water quality is deemed safe for distribution and consumption. Donala is working with their Engineer to achieve radium drinking water compliance from water treated at the Holbein Plant A. This plant will not be returned to service until there is assurance of the safety of the water distributed. The other water treatment plant remains in operation providing acceptably treated water to customers of the District.

Donala and Triview Collaborative ASR Design
Donala and Triview are in the feasibility study stage of investigating the option of recharging and storing surface water into the Denver Basin. With the continuing decline of supply available in the Denver Basin, many communities served by this aquifer are investigating the option of injecting surface water rights into the aquifer for storage and recharge. The difficulty of this project is significant and will take several years if not decades to solidify if possible.

Water Quality
Donala treats and filters all its raw water sources at the two (2) water treatment plants described above in Section 5.2. Water is disinfected to meet or exceed all CDPHE drinking water standards. Appendix B contains a copy of the "2021 Drinking Water Quality Report" as well as the "2021 Water Quality Summary Report" which outlines water quality delivered to Utilities' consumers.
It should be noted that 3rd quarter of 2021, radium testing at the Holbein water treatment plant showed that this facility was producing water exceeding the maximum contaminant level of 5 pCi/l for the combined total of radium 226 and radium 228. CDPHE sent a violation notice to Donala on June 28, 2022. The Holbein plant is used in the summer months to provide additional daily supply to the District for irrigation and the plant had been turned off October 1, 2021. This plant will not be returned to service until it is determined that the water treated at this facility meets the Drinking Water MCL for combined Radium 226+228. As Colorado Springs Utilities provides water to Donala through an IGA, Colorado Springs Utilities Water Quality Report is also contained in Appendix B.

El Paso County Master Planning Elements
County Water Master Plan 2040 and 2060 Projections
Struthers Ranch Subdivision lies within the El Paso County Master Planning area, Region #2. Struthers Ranch Subdivision will be served by Donala Water & Sanitation District for water service.

Buildout:
Donala Water & Sanitation District has estimated future population growth trends and water demand predictions through buildout. There are set boundaries to the District service area and the area can only grow to a certain extent. Stated in Section II.F of the District's Utility Resources Report, even with a 300-year rule imposed by El Paso County for the High Meadow at Fox Run development, the total existing and planned demand is 1869.75 AF/year as of 2014. With a total supply of 3216.3 AF/year, there is sufficient water supply for additional buildout.

2040 Buildout:
Donala is a limited water district with a defined boundary. They have estimated a limit of an additional 600 SFEs total for the District at buildout which could occur by 2040. This would give Donala Water & Sanitation District a total of 3200 SFEs. With a continued focus on water conservation as well as sufficient water supply, the District is positioned to provide sufficient water for a 2040 buildout.

2060 Buildout:
Donala is a limited water district with a defined boundary. They have predictions of growing by another 600 SFEs to 3,800 SFE's by 2060. With a continued focus on water conservation as well as sufficient water supply, the District is positioned to provide sufficient water for a 2060 buildout.

Description of Long-Term Planning and Future Sources of Supply
In theory, the 100-year supply of water for Struthers Ranch Subdivision served by Donala Water & Sanitation District appears to be more than adequate for full buildout, which would include both the 2040 and 2060 scenarios (see Section 4.2 for a description of 100-year suppl of water vs. 300-year supply of water within the Donala Water and Sanitation District).
Donala does not currently rely only on its renewable water source at this time. However, it is the goal of the District to provide all its supply from renewable water sources by the 2030s.
Although there is no near-term perceived shortage expected in supply, Donala is planning to reinforce its water reliability, increasing efficiency, and acquiring/improving sources of supply over time. For additional information regarding future water strategies by the Donala Water & Sanitation District, please see Sections III the Donala Utilities Resources Report, contained in Appendix A.

Appendix A

UTILITY RESOURCES REPORT

Issue of May 30, 2014
Amended February 1, 2015

for

Donala Water and Sanitation District

Donala Water & Sanitation District
and
GMS, Inc.
Consulting Engineers

UTILITY RESOURCES REPORT
FOR
DONALA WATER AND SANITATION DISTRICT

PROJECT NO. 93061.502

OCTOBER 1993
UPDATE NO. 1: SEPTEMBER 30, 1995
UPDATE NO. 2: DECEMBER 29, 2008
UPDATE NO. 2 AMENDED: MAY 1, 2009
UPDATE NO. 2 AMENDED AUGUST 7, NOVEMBER 1 AND 27, 2009
UPDATE NO. 3: MAY 30, 2014
UPDATE NO. 3 AMENDED: FEBRUARY 1, 2015

DONALA WATER AND SANITATION DISTRICT
15850 HOLBEIN DRIVE
COLORADO SPRINGS, CO 80921

PREPARED BY:

DONALA WATER AND SANITATION DISTRICT
and
GMS, INC.
CONSULTING ENGINEERS
611 NORTH WEBER STREET, SUITE 300
COLORADO SPRINGS, COLORADO 80903

TELEPHONE: (719) 475-2935
TELEFAX: (719) 475-2938

© 1993 GMS, Inc.
© 1995 GMS, Inc.
© 2008 GMS, Inc.
© 2009 GMS, Inc.
© 2015 GMS, Inc.

TABLE OF CONTENTS

Page Nos.

PREFACE P-1

SECTION I – DONALA WATER AND SANITATION DISTRICT SERVICE AREA I-1

SECTION II – WATER SUPPLY SOURCES AND CONDITIONS II-1

A. Source of Ground Water II-1
B. Nontributary Ground Water II-1
C. Not Nontributary Ground Water II-4
D. Status of Well Construction/Production II-7
E. Projected Water Demand II-9
F. Water Resource Planned Use II-11
G. Current/Projected Water Demand II-13

SECTION III – WATER SYSTEM DEPENDABILITY III-1

A. Ownership of Water Rights III-1
B. Water Supply Commitment III-3
C. Water System III-3
D. Capital Improvement Program III-6
E. Financial Resources III-8
F. Current Water Production Capabilities III-10
G. Production Well Testing III-12
H. Water Level Monitoring III-12

SECTION IV – WATER QUALITY IV-1

A. General Quality Considerations IV-1
B. Consumer Confidence Reports (CCRs) IV-2
C. Monitoring Plan IV-2
D. Other Quality Related Matters IV-3

SECTION V – WATER CONSERVATION PROGRAM V-1

A. Water Rate Structure V-2
B. Water Tap/Development Fee Structure V-3
C. Regulatory Measures V-4
D. Irrigation Rationing V-6
E. Low Water Use Landscape Measures V-8
F. Efficient Irrigation Measures V-9
G. Water Efficient Fixtures and Appliances V-11
H. Water Reuse Programs V-12
I. Non-Potable Supplies V-14
J. Distribution System Leak Detection and Repair V-15
K. Water Meter Exchange/Repair Program V-16

TABLE OF CONTENTS

Page Nos.

SECTION VI – DONALA WATER AND SANITATION DISTRICT WASTEWATER MANAGEMENT VI-1

A. Wastewater Treatment Facility VI-1
B. Wastewater Collection and Conveyance Systems VI-4

SECTION VII – EXISTING WASTEWATER SYSTEM CONDITIONS VII-1

A. Existing Treatment Facility Loading Conditions VII-1
B. Treatment Plant Performance VII-4

SECTION VIII – FUTURE WASTEWATER MANAGEMENT REQUIREMENTS VIII-1

SECTION IX – UMCR WWTF WASTEWATER TREATMENT FACILITY COMPONENTS ... IX-1

A. Influent/Interceptor Sewer System IX-1
B. Influent Pump Station IX-2
C. Preliminary Treatment IX-3
D. Flow Equalization Facilities IX-4
E. Secondary Treatment with Biological Nitrogen Removal (BNR) IX-5
F. Disinfection IX-6
G. Biosolids Stabilization IX-9
H. Biolsolids Dewatering IX-11
I. Reclaimed Wastewater Production IX-11
J. Administrative and Maintenance Facilities/Accommodations IX-12
K. Miscellaneous Facilities IX-13

LIST OF FIGURES

Figure I-1 – Donala Water & Sanitation District Service Area Map I-2
Figure II-1 – Donala Denver Basin Pumping by Aquifer II-15
Figure VI-1 – Service Area Map of UMCR WWTF VI-3
Figure VII-1 – UMCR WWTF DMR Monthly Influent Waste Load VII-2
Figure VII-2 – DWSD Influent Hydraulic Load VII-3

LIST OF TABLES

Table I-1 – Inclusions to Donala Water & Sanitation District I-3
Table II-1 – Original Well Permits – Case W-4216 ..... II-2
Table II-2 – Well Permits – Case W-4216 & 95CW111 ..... II-3
Table II-3 – Available Laramie-Fox Hills Aquifer Water - Case 90CW45 and 85CW7 ..... II-4
Table II-4 – Well Permits – Case 90CW45 and 85CW7 ..... II-4
Table II-5 – Not Nontributary Permitted Wells – Fox Run II-5
Table II-6 – Dawson Delayed Depletion Replacement Factors II-6
Table II-7 – Donala Water and Sanitation District Production Wells February 1, 2015 ..... II-8
Table II-8 – DWSD Annual Ground Water Production & Surface Water Imported II-9

TABLE OF CONTENTS

Page Nos.

Table II-9 – Unit Water Demand Values II-10
Table II-10 – Donala Water and Sanitation District Water Resource Planned Use II-11
Table II-11 – District Users at January 1, 2015 ..... II-14
Table II-12 – Projected Increase in Water Demand II-14
Table III-1 – Donala Water & Sanitation District Adjudicated Water III-2
Table III-2 – Potable Water Storage Facilities III-3
Table III-3 – Capital Improvements Program III-8
Table III-4 – Water Tap, Development Fees and Other Charges III-10
Table III-5 – Well Production Capability: 2014 ..... III-11
Table VI-1 – Influent/Interceptor Sewer Capacity VI-5
Table VIII-1 – UMCR WWTF Projected Loading as of July 1, 2014 ..... VIII-2
Table VIII-2 – UMCR WWTF Projected Wastewater Flows as of July 1, 2012 ..... VIII-3
Table IX-1 – Influent/Interceptor Sewer Capacity IX-2
Table IX-2 – Influent Pump Station IX-3
Table IX-3 – Sequencing Batch Reactor (SBR) Design Parameters IX-5
Table IX-4 – Design Flow Rates for Process Disinfection IX-8
Table IX-5 – Effluent Discharge Limits from Draft Renewal Permit March 1, 2015 ..... IX-9
Table IX-6 – Aerobic Digester Characteristics IX-10
Table IX-7 – Reclaimed Wastewater Filtration Capability IX-12

APPENDICES

Appendix A – Summary of Water Rights: February 7, 2014
Appendix B – Well Permits
Appendix C – Water Rights – Case No. W-4216, 90CW45, 97CW61 and 97CW218
Appendix D – Plan for Augmentation
Appendix E – Sample Augmentation Plan Reporting
Appendix F – Water Quality Data

PREFACE

MAY 2014

The Donala Water and Sanitation District was formed in the 1960s to provide water and wastewater management services to an area of mixed development, residential, commercial and industrial, located between Northgate Boulevard and Baptist Road east of Interstate Highway No. 25. Additional land was included north of Baptist Road in 1986 (the Ridge at Fox Run and Fox Pines) and 35 acres to the east of Gleneagle Filing No. 8 was included in 1997 (High Meadows at Fox Run).

The utility resource information provided in this report has been prepared to consolidate all pertinent current information into a document that contains the necessary data required by the El Paso County Land Development Code. This document updates and supplements a previous utility resources report published in November 2009 and distributed to interested and affected agencies. This Update No. 3, dated May 30, 2014 and amended in February 2015, is being distributed to those individuals or entities holding previous issues of this Utility Resources Report.

This document has been prepared in accordance with Section 8.4.7 and 8.4.8 of the El Paso County Land Development Code (Current Issue: Revision 2 through February 8, 2013). It addresses the water resources available to the District in terms of quality, quantity and dependability. It also addresses the District's wastewater management capability.

This document will be updated from time to time as conditions change or new information is available.

SECTION I

DONALA WATER AND SANITATION DISTRICT SERVICE AREA

The Donala Water and Sanitation District provides central potable water service and wastewater collection and treatment service to the properties within its boundaries. Service is not provided outside of the District. The extension of any services to an outlying tract is subject to a formal inclusion agreement with the District. The District currently contains approximately 1,321 acres.

Figure I-1, an excerpt from a USGS quadrangle map, outlines the District boundaries as of May, 2014. In addition, following the exhibit are the legal descriptions associated with the area presently contained within the District. Developers, within their submittal of sketch plans, preliminary plans or final plats, will provide the detailed legal descriptions associated with a proposed subdivision. In general, for the District to provide water or wastewater service to the proposed development, the subdivision must be within the institutional boundary of the District.

A District perimeter legal description has also been prepared for use by the District, particularly for water court matters. That description is available in the District office and the office of GMS, Inc. That description clarifies and consolidates the separate inclusion descriptions for the District, some of which are approximately 50 years old.

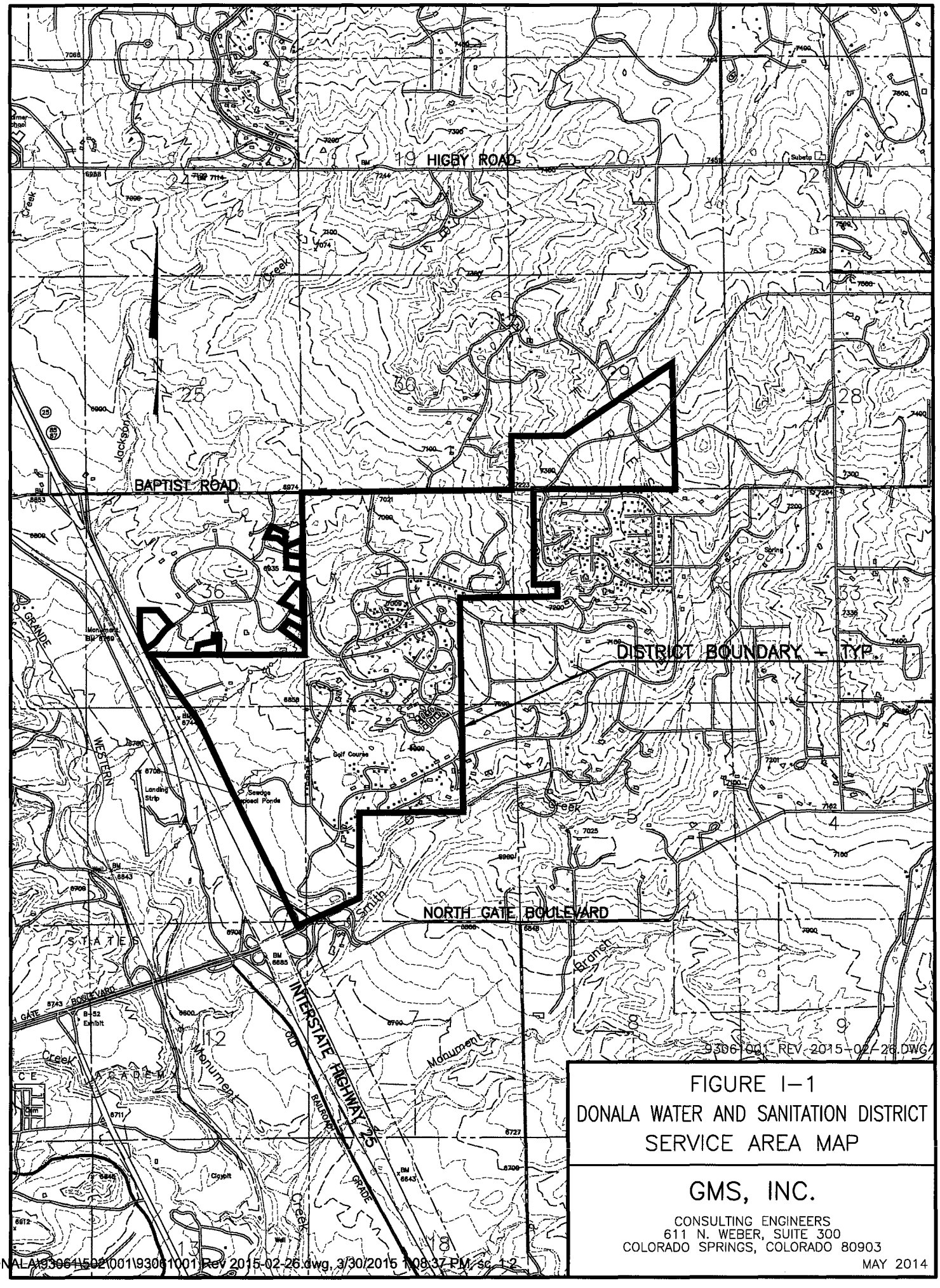


FIGURE I–1
DONALA WATER AND SANITATION DISTRICT
SERVICE AREA MAP

GMS, INC.
CONSULTING ENGINEERS
611 N. WEBER, SUITE 300
COLORADO SPRINGS, COLORADO 80903

MAY 2014

TABLE I-1

INCLUSIONS TO DONALA WATER & SANITATION DISTRICT

Area ID	Area/Inclusion Description	Area, Acres
1.	All of Section 31, except E½ SE¼, Township 11 South, Range 66 West of the 6th P.M.	560 acres
2.	N½ of Section 6, except East ½ of the NE¼, Township 12 South, Range 66 West of the 6th P.M.	240 acres
3.	NW¼ SW¼ Section 6, Township 12 South, Range 66 West of the 6th P.M.	40 acres
4.	That part of the N½ NE¼ Section 1, Township 12 South, Range 67 West of the 6th P.M. lying between the East boundary of the United States Air Force Academy reservation and the West Section Line of Section 6, Range 66 West of the 6th P.M.	78 acres
5.	That part of the S½ NE¼ and N½ SE¼ of Section 1, Township 12 South, Range 67 West of the 6th P.M., lying between the East boundary of the United States Air Force Academy reservation and the West Section Line of Section 6, Range 66 West of the 6th P.M.	82 acres
6.	That part of the SE¼ of Section 1, Township 12 South, Range 67 West of the 6th P.M., and that portion of the SW¼ of the SW¼ of Section 6, Township 12 South, Range 66 West of the 6th P.M., lying North and East of the East boundary of the United States Air Force Academy and the north line of El Paso County Highway No. 52 (Northgate Road), as presently located, and being more particularly described as follows: Beginning at the Northwest corner of the said SW¼ of the SW¼ of Section 6; thence Easterly along the north line of said SW¼ of the SW¼ to the Northeast corner thereof; thence Southerly along the East line of said SW¼ of the SW¼, a distance of 350 feet; thence in a Southwesterly direction to a point at the intersection of two County roads as presently located being the East and North boundaries of said roads; the first being a county road running North to the area known as Gleneagle, the second being El Paso County Highway No. 52 (Northgate Road); thence Westerly along the Northerly line of Said Highway No. 52 to the East boundary of the United States Air Force Academy; thence along said East boundary, the following three (3) courses: 1. N56°36'25"W, to the east line of the SE/4 of said Section 1; 2. N56°38'25"W, a distance of 630.29 feet; 3. N25°23'25"W, to the North line of the said SE/4 of the SE/4 of Section 1; thence easterly along said North line, to the Point of Beginning.	36 acres
Subtotal acreage		1036 acres

Area ID	Area/Inclusion Description	Area, Acres
7.	That portion of Section 29, Township 11 South, Range 66 West of the 6th P.M. lying North of the Baptist Assembly Road more particularly described as follows: Beginning at the Southeast corner of the Southwest quarter of the Southeast quarter of said Section 29; thence N00°13'34"W along the Easterly line of said West half of the East half of Section 29 a distance of 3293.70 feet to the Northeast corner Section 29 a distance of 3293.70 feet to the Northeast corner of the South one half of the Southwest quarter of the Northeast quarter of said Section 29; thence S63°48'00"W 2968.92 feet; thence S89°47'54"W 1277.61 feet to the West line of Section 29; thence S00°17'28"W along said West line 1980.66 feet to the Southwest corner of said Section 29; thence N89°47'54"E along the Southerly line of said Section 29 a distance of 2685.34 feet to the South quarter corner of said Section 29 as defined by Pleasant View Estates Filing No. 4 as recorded in Plat Book I-2 at Page 115 of the records of El Paso County, Colorado; thence S89°19'57"E along the Southerly line of the West half of the Southeast quarter of said Section 29 a distance of 1283.12 feet to the point of beginning, except that portion deeded to El Paso County by instrument recorded in Book 2197 at Page 875, and except that portion deeded to Robert A. Elliott and Patricia A. Elliott by instrument recorded in Book 3970 at Page 1167.	220 acres
8.	That portion of the Northwest quarter of Section 32, Township 11 South, Range 66 West of the 6th P.M. more particularly described as High Meadows at Fox Run as recorded under Reception No. 099062264 of the records of El Paso County, Colorado.	35 acres
9.	Area ID No. 9 commonly referenced to as the Brown Ranch (182 acres) located in the Southwest quarter of Section 21 and the Southeast quarter of Section 20, Township 11 South, Range 66 West was excluded from the District's institutional boundaries in 2013.	-0-
10.	Lot 4A, Chaparral Hills 1A Subdivision; Lot 5B, Bakers Acres; Lot 1, Werners Acres; Lot 1, Donohue & Ellsworth Subdivision; Lot 2, Donohue & Ellsworth Subdivision; Lot 4, Donohue & Ellsworth Subdivision; Lot 17 Chaparral Hills	20 acres
11.	Tract of 10.23 acres at the Northeasterly corner of the intersection of Struthers Road and Spanish Bit Drive, aka "Big R Monument."	10 acres
All of the above in El Paso County, Colorado		
Subtotal acreage		285 acres
Total Area – Donala Water and Sanitation District – May 2014		1321 acres

SECTION II

WATER SUPPLY SOURCES AND CONDITIONS

The Donala Water and Sanitation District has accumulated a water resource inventory or portfolio comprised of both surface and ground water sources. These sources include typical surface water governed by the Colorado State Constitution and statutory rules and regulations. In addition, the District's sources of water supply to its domestic water system include both tributary and non-tributary ground waters, tributary meaning legal and/or physical connection to the Colorado surface water system and non-tributary meaning that there is not a legal or physical connection between the ground water and the surface water stream system.

The surface water sources appurtenant to the District's water supply have been a comparatively recent addition, physical delivery of related surface water sources commencing to the District's transmission and distribution system in 2011.

A. SOURCE OF GROUND WATER

The Donala Water and Sanitation District has historically diverted/pumped water from three designated aquifers within the Denver Basin in which it has secured water rights. These rights fall into two categories. The first category is those rights that are ***nontributary*** and readily available for use by the District. The second category is that of ***not nontributary*** water. The District's original Plan of Augmentation was adjudicated September 25, 1995, and this report takes all augmentation requirements into account (see Appendix 4).

B. NONTRIBUTARY GROUND WATER

The bulk of the District's nontributary Dawson Arkose water has been secured through the decree in Case W-4216. Annual diversions decreed total 1400 acre-feet under this adjudication. Table II-1 represents the original well permits adjudicated in Case W-4216.

These three initial wells failed and were subsequently replaced by the District. Failure was primarily due to deterioration of galvanized steel casing pipe used in the original well construction. All replacement wells are now constructed with well designed stainless steel

wedge wire screen material with suitable gravel packing (natural and imported) and well development.

In response to the District's application for the replacement well permits, the State Engineer's office issued separate permits for Wells 2 and 3 for the Arapahoe and Denver formations. Consequently, the original three wells have been replaced by the five wells shown in Table II-2. Well No. 4A has been decreed and permitted as an alternate point of diversion (APD) for wells No. 1A, 2A and 3A. These wells all maintain a nontributary status with no replacement/augmentation requirements. In 1997, Well 2DV (27228-F) failed and was abandoned. The decreed appropriation from Well 2DV was incorporated into Well 13DV, drilled in 2000.

TABLE II-1

ORIGINAL WELL PERMITS – CASE W-4216

Permit No.	Formation	Annual Allocated production (acre-feet)*
Well No. 1 – 16140-F	Dawson Arkose	499
Well No. 2 – 16143-F	Dawson Arkose	499
Well No. 3 – 16141-F	Dawson Arkose	402
Total Annual Allocation		1400

* The annual production shown is based upon a 100-year supply of water available from the noted formations.

TABLE II-2

WELL PERMITS – CASE W-4216 & 95CW111

Permit No.	Formation	Annual Allocated Production (acre-feet)*
Well No. 1A-R – 16140-FR	Dawson Arkose	499
Well No. 2		
Well 2A-R 49356-FR [1)]	Arapahoe	294 [2)]
Well 2DV-R 27228-FR	Denver	205*** [3)]
Well No. 3		
Well 3A 49355-F [1)]	Arapahoe	272 [2)]
Well 3DV 44908-F	Denver	130
Well No. 4A – 55359-F	Arapahoe	**
Total Annual Allocation		1400

* The annual production shown is based upon a 100-year supply of water available from the noted formations.
** This well has been constructed as an APD for Well No. 1 (Arapahoe portion only), Well 2A and 3A with maximum annual combined diversion of 825 AF.
*** Well 2DV failed - 1997 & was replaced under current permit issued 11/2005
1) Case 95CW111
2) Maximum of 825 annual acre-feet (AAF) when operated as APD for Well 1A and 3A
3) APD for Well 3DV also

The District obtained an "Alternate Points of Diversion" decree in 1997, Case No. 95CW111, whereby water from a specified aquifer can be diverted from any well in that aquifer. This decree applies to the Denver Aquifer for Wells 2DV and 3DV and the Denver Aquifer portion of Well No. 1. It also will apply to the Arapahoe Aquifer for Wells 2A, 3A and the Arapahoe portion of Well No. 1.

The District secured additional nontributary water under Case 90CW45 and Case 85CW7. The annual 100-year diversions decreed for the nontributary water under this case are 353 acre-feet (AAF). The decree requires a replacement of two (2) percent of annual withdrawals. Thus, the net amount of water available under this adjudication is 345.94 acre-feet per year. Table II-3 recaps well permits issued for this nontributary water. These wells have not been constructed. Because of the questionable quantity/quality of the Laramie Fox-Hills water and the high costs associated with constructing and operating wells exceeding 2000 feet deep, the District considers these wells as a last resort for ground water supplies.

TABLE II-3

AVAILABLE LARAMIE-FOX HILLS AQUIFER WATER

CASE 90CW45 & 85CW7

Well I.D.	Formation	Annual Decreed Diversion (acre-feet)
Well 8LFH – 36307-F*	Laramie-Fox Hills	143.5
Well 9LFH – 36308-F*	Laramie-Fox Hills	143.5
Well 14LFH – 29496-F*	Laramie-Fox Hills	66
Total Annual Allocation		353

* Permits expired without well construction.

The previous two tables recap the sources of nontributary water available to the District. The total of the annual appropriated water supply from these sources is 1753 acre-feet.

C. NOT NONTRIBUTARY GROUND WATER

The second category of water owned by the District is that which is not nontributary and is subject to the Plan of Augmentation (Case No. 91CW16). The replacement obligation shown in Table II-4 is as decreed by the Plan for Augmentation at Appendix D.

TABLE II-4

WELL PERMITS-CASE 90CW45 AND 85CW7

Permit No.	Formation	Annual Allocated Production (AF)	Replacement Factor	Replacement Obligation (AF)
Well 5DA 31263-F	Lower Dawson	40	(2%)	0.8
Well 6DA 37503-F	Lower Dawson	30	(2%)	0.6
Well 7DV 36286-F	Denver	193	4%	7.72
Well 10DA 37982-F	Lower Dawson	90.1	(2%)	1.8
Well 11DV 39820-F	Denver	57	4%	2.28
Well 12A 29495-F	Arapahoe	93.5	4%	3.74
Well 13DV 29493-F	Denver	187	4%	7.48
Total Annual Allocation		690.6		24.42

An area encompassing 220 acres in Section 29, Township 11 South, Range 66 West of the 6th P.M., lying north of Baptist Road was included in the District in May 1986. In the

inclusion agreement provisions were made for the water resources underlying these 220 acres to be conveyed to the Donala Water and Sanitation District. This conveyance was accomplished by quitclaim deed recorded in Book 5182 at Page 0045 of the El Paso County Records. Those water rights which are appurtenant to this part of the District were adjudicated by Division 2 Water Court under Case No. 85CW7 and filed of record November 5, 1987. This case provided for three wells diverting from the Denver, Arapahoe and Laramie-Fox Hills aquifers. Specific information concerning these adjudicated wells is shown below.

TABLE II-5

NOT NONTRIBUTARY PERMITTED WELLS – FOX RUN

Well Permits	Pertinent Data
Well 8A	62679-F
Dates	Permit issued 05/2005
Pump Capacity	800 gpm decreed; 400 gpm as equipped
Annual Quantity	366.9 AAF decreed in combination with other Arapahoe wells described in Case 04CW22
Formation/Depth	Arapahoe/2,348 feet
Location	SW ¼ SW ¼ Sec. 21, T11S, R66W (Brown Ranch/Fox Run Park)
Approved Uses	All municipal purposes
Classification	Not Nontributary
Depletion	Subject to augmentation – 2%
Well 14A	65096-F
Dates	Permit issued 11/2006
Pump Capacity	800 decreed; 600 gpm as equipped
Annual Quantity	300.2 AAF decreed; subject to cumulative diversions with other wells
Formation/Depth	Arapahoe/2,050 ft
Location	SW ¼ SW ¼ Sec. 28, T11S, R66W (Fox Run Park-Stella Drive & Spring Valley Drive)
Approved Uses	Domestic, municipal, commercial, recreation
Classification	Not Nontributary
Depletion	4% Replacement (12 AF maximum)

An additional 35 acres was included into the District in 1997. Ownership of Denver Basin water was transferred to the District with the inclusion. It included 8 AF of Dawson, 25.5 AF

of Denver, 15.1 AF of Arapahoe and 9.7 AF of Laramie-Fox Hills aquifer water. Those decrees were adjudicated in Cases 97CW218 and 97CW61.

In 1998, the District acquired by deed 453 AF of nontributary and not nontributary water under Fox Run Park. The land is owned by El Paso County. Payment for this water will be in the form of wastewater effluent (72-120 AF per year) to Monument Creek for El Paso County's augmentation use elsewhere. Specific wells have been or will be drilled as necessary. The available Denver Basin water associated with Fox Run Park is 172 AF of Denver, 167 AF of Arapahoe and 117 Laramie-Fox Hills aquifer water.

Replacement factor for Dawson Aquifer wells varies and increases as shown in Table II-6. Total replacement obligation for not nontributary wells using 2% average for Dawson Aquifer wells is 24.42 AF. As per the Plan of Augmentation (Page 6) there is more than enough excess return flow that all 690.6 AF is credited.

TABLE II-6

DAWSON DELAYED DEPLETION REPLACEMENT FACTORS

Well 10DA (Not Equipped)										
Time Period (Years Since Pumping Started)	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100
Replacement Factor	0.001	1.005	0.010	0.017	0.024	0.031	0.038	0.044	0.050	0.057
Wells 5DA (1987) and 6DA (1992)										
Time Period (Years Since Pumping Started)	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100
Replacement Factor	0.008	0.022	0.037	0.050	0.063	0.075	0.087	0.098	0.101	0.103
Values based on the State Engineer's Depletion Model.										

The "Alternate Points of Diversion" decree in Case 95CW111 described previously applies to Wells 7DV, 11DV, 12A and 13DV.

D. STATUS OF WELL CONSTRUCTION/PRODUCTION

Included in the back pocket of this Utility Resources Report is an exhibit depicting the developed portions of the District. The exhibit shows the constructed wells, water transmission and distribution lines, booster stations, water storage facilities and water treatment plant locations. Approximate locations are noted with respect to future wells.

The water resource information summarized above is based upon a 100-year supply. The water supply beneath the property contained within the District has been legally secured by the Donala Water and Sanitation District. The District has both a policy and a legal obligation only to commit to serving a 100-year supply to any subdivision within its service area. Subdivision requests (preliminary plats) submitted to El Paso County by area developers since November 20, 1986, have been accompanied with a requested waiver of the 300-year water supply requirement contained within the county regulations under Section 8.4.7 of the Land Development Code. Waivers have been granted to the developers based upon, in part, the District's quality service record, the fact that the District has in place a viable nontributary water supply and the District is the responsible entity to provide the service. The District has committed 300 years of water to the 175 acre Ridge at Fox Run development and High Meadow at Fox Run.

Table II-7 is a tabulation of all production wells available to the District for water supply as of May 2014. The reference in Table II-7 to the water court decree which authorized the issuance of the respective well permits lists one identified water court decree. In several cases, authorized diversions from a given well are addressed in more than one decree. Reference should be made to the individual well permits for the specific water court decrees and the conditions applicable to each.

TABLE II-7

DONALA WATER AND SANITATION DISTRICT PRODUCTION WELLS

FEBRUARY 1, 2015

Well ID	Permit	Decree	Formation & Depth	Location	Decreed Annual Diversion, Acre-Feet	Decreed Max. Pumping Rate, gpm[2]	Pumping Rate as Equipped, gpm	Classification & Aug. Requirements	Other Information
1A-R	16140-FR	W-4216	Arapahoe-1150 Ft	Lot 1, Blk 2, Donala Subdivision No. 1	499	400	450	Nontributary	
2A-R	49356-FR	95CW111	Arapahoe-1295 Ft	R Hull WTP[1]	294	500	325	Nontributary	294 AAF[4] in combination with 1A-R and 3A
2DV-R	27228-FR	W-4216	Denver-910 Ft	R Hull WTP	205	250	225	Nontributary	APD[2] for 3DV
3DV	34670-F	W-4216	Denver-900 Ft	Jessie Drive	335	250	200	Nontributary	
3A	49355-F	95CW111	Arapahoe	Jessie Drive	825	500	400	Nontributary	825 AAF in combination with 1A-R & 2A-R
4A	55359-F	W-4216	Arapahoe-1690 Ft	Holbein WTP	825	500	500	Nontributary	825 AAF in combination with 1A-R, 2A-R & 3A
5DA	31263-F	90CW45	Lower Dawson-220 Ft	Gleneagle Golf Course	40	40	50	Not Nontributary	Replace depletions
6DA	37503-F	97CW61	Lower Dawson-100 Ft	Gleneagle Golf Course	30	40	25	Not Nontributary	Replace depletions
7DV	36286-F	90CW45	Denver-1230 Ft	Holbein WTP	193	300	300	Not Nontributary	4% Replacement
8A	62679-F	04CW22	Arapahoe-2348 Ft	Brown Ranch Fox Run Park	366.9	800	400	Not Nontributary	2% Replacement up to 66.7 AAF, then 4% Replacement up to 206.7 AAF
9A	62584-F	04CW113	Arapahoe-1085 Ft	Struthers Road District Maintenance Facility	825	750	650	Nontributary	APD for 2A-R and 3A; 825 AAF in combination with 2A-R, 3A & 4A
11DV	49715-F	97CW61	Denver-1050 Ft	High Meadows at Fox Run	465	300	300	Not Nontributary	4% Replacement
12A	49357-F	95CW111	Arapahoe-2086 Ft	Red Fox Lane, Ridge at Fox Run	500	500	400	Not Nontributary	No replacement required except 4% required when 12A, 2A & 3A exceed 406.5 AAF
13DV	29493-F	97CW61	Denver-1100 Ft	14769 Latrobe Court	187	250	100	Not Nontributary	
14A	65096-F	04CW22	Arapahoe-2050 Ft	Fox Run Park Stella Drive & Spring Valley Drive	300.2	800	600	Not Nontributary	4% Replacement

Notes:

1) WTP = Water Treatment Plant
2) gpm = U.S. gallons per minute
3) APD = Alternate Point of Diversion
4) AAF = Annual Acre-Feet; Acre-feet per year

E. PROJECTED WATER DEMAND

The District has sufficient operating history with which to determine representative average annual consumption requirements associated with various land uses. Table II-8 provides pumping data based upon well production within the District for several years. This data represents gross water production or total system demand exclusive of reclaimed water and in-District surface water use. It includes all general system losses and miscellaneous uses that are not metered.

TABLE II-8
DONALA WATER AND SANITATION DISTRICT
ANNUAL GROUND WATER PRODUCTION & SURFACE WATER IMPORTED
(Select Years For Information)

Year	Number of Users (Residential & Limited Commercial)	Total Ground Water Pumped (acre-feet)	Willow Creek Surface Water Through CSU (acre-feet)	Golf Course Ground Water Deliveries (acre-feet)	Residential & Limited Commercial Deliveries (acre-feet)
1987	560	472.61	0	125.83	346.78
1990	674	570.11	0	132.13	437.98
1995	1064	685.1	0	145.8	539.3
2000	1675	996.23	0	53.53	942.70
2005	2371	1144.69	0	56.99	1087.70
2010	2552	1139.95	0	36.27	1103.68
2011	2562	1103.93	51.07	37.54	1117.46
2012	2571	809.05	437.98	68.00	1179.48
2013	2576	517.30	337.39	23.47	831.22
2014	2578	528.00	289.44	3.04	814.40

As indicated above, the values of annual water production are reflective of total raw water supplied into the water resource management system from the Denver Basin water resources and the surface water from the District's Willow Creek Ranch. These values do not include a relatively minor quantity of local surface water which was used in golf course irrigation and the use of reclaimed wastewater. Starting in 1995 the District began service of reclaimed wastewater to the Gleneagle Golf Course, thereby decreasing the amount of ground water required. The values shown in the table are representative of the total water resource volume required to support the residential and commercial uses in the District,

exclusive of the majority of golf course irrigation prior to 2014. All water deliveries to the Gleneagle Golf Course ceased in November 2013 as the golf course closed operations.

The District has developed annual water consumption rates for four categories of land uses. The land uses are single-family residential, multi-family residential, commercial and the golf course. The following representative consumption rates have been determined.

TABLE II-9
UNIT WATER DEMAND VALUES

Use	Annual Water Demand (Acre-Feet)
Single-Family	0.61
Multi-Family	0.32
Commercial	0.88/acre
Golf Course (Prior to 2014)	25

The annual unit water demand for single and multi-family residential users have been adjusted from those presented in issues of this Utility Resource Report prior to 2008. The values shown in Table II-9 have been developed from historical water use records during 2002, considered to be a drought year condition. The actual average historic unit values calculated have been increased by 10 percent to establish the values for planning and design shown in Table II-9.

Specific individual uses related to golf course operation (i.e., maintenance shop, clubhouse, etc.) have been delineated based upon historical consumption. For historical reference only, system-wide planning prior to 2013-2014 allocated golf course total water demands at 200 annual acre-feet including all landscape irrigation. This allocation was seen as the upper limit at which the District would comfortably provide water to the golf course over an extended period of time. Historical water consumption records show that consumption had, on occasion, exceeded the 200 acre-foot allocation. Based upon the nature of the service agreement between the District and the golf course owners, the District had the right to curtail water deliveries to the golf course in the event such was necessitated to enable the District to provide adequate water to its other constituents. That service agreement in now (2014) no longer in effect as the golf course closed operations in November 2013.

The value for golf course water demand shown in Table II-9 is that portion of total demand historically satisfied by diversions from the Denver Basin aquifers or local surface water. Water supply for non-potable use satisfied by reclaimed wastewater is in addition to these local supplies.

Beginning in 1995 the District began producing and delivering reclaimed wastewater to the golf course. The District's reclaimed wastewater production capability delivered a significant amount of the Gleneagle Golf Course non-potable demand until the golf course operation closed in 2013. Historically, the golf course demand for ground water was about 25 AF per year, generally required for winter greens watering when reclaimed water stored in open impoundments was not available for winter season use.

F. WATER RESOURCE PLANNED USE

The following table represents the District's planned water use for those properties within the District which have approved preliminary plans or final plats. The allocation also reflects properties within the District that are not platted at this time.

TABLE II-10
DONALA WATER AND SANITATION DISTRICT
WATER RESOURCE PLANNED USE

No.	Description	Number of Units/Use	Unit Use (Acre-Feet)	Total Water Use (Acre-Feet)
	COMMITTED AND OPERATIONAL			
1	Original Filing: Donala Subdivision No. 1, Lot 1, Block 1 Current Filing: Sun Mesa Townhomes	91 MF	0.32	29.12
2	Original Filing: Donala Subdivision No. 1, Lot 2, Block 1 Current Filing: Sunrise Townhomes at Gleneagle, Phases 1, 2 and 3	28 MF	0.32	8.96
3	Original Filing: Donala Subdivision No. 1, Lot 1, Block 2 Current Filing: Shoppe in the Glen	12.39 Ac	0.88	10.9
4	Donala Subdivision No. 1 together with Vacation and Replat of Lots 12 and 13, Block 6	128 SF	0.61	78.08
5	Donala Subdivision No. 2 together with Vacation and Replat of Lots 1, 2 and 3, Block 14 and a portion of tract "P: and Golf Links Subdivision	311 SF	0.61	189.71

No.	Description	Number of Units/Use	Unit Use (Acre-Feet)	Total Water Use (Acre-Feet)
6	Original Filing: Donala Subdivision No. 2, Lot 1, Block 18 Current Filing: Club Villa Townhomes Current Filing: Gleneagle Townhomes No. 2, Blocks 1-4	 34 MF 41 MF	 0.32 0.32	 10.88 13.12
7	Donala Subdivision Nos. 1 and 2, various tracts	Golf Course	25	25
8	Donala Subdivision No. 2, Portion of Tract "P" – Golf Course Club House	Clubhouse	0.88	2.32
9	Donala Subdivision No. 3 – Portion of tract 9 – Golf Course Maintenance Shop (very minimum use)	1.16 Ac	0.44	0.5
	Donala Subdivision No. 3, Single-family Lots which are developed or are to be used as platted	197 SF	0.61	120.17
	Donala Subdivision No. 3 – Single-family Lots tentatively anticipated for replatting within Gleneagle Filing No. 10 (Block 35, Lots 13-16)	4 SF	0.61	2.44
10	Gleneagle Filing No. 1	96 SF	0.61	58.56
11	Gleneagle Filing No. 1-A	18 SF	0.61	10.98
12	Gleneagle Filing No. 2	33 SF	0.61	20.13
13	Gleneagle Filing No. 3	74 SF	0.61	45.14
14	Gleneagle Filing No. 4 – Phase 1 Single-family	80 SF	0.61	48.80
	Gleneagle Filing No. 4 – Phase 1 Commercial	5.57 Ac	0.88	4.90
	Gleneagle Filing No. 4 – Phase 2	67 SF	0.61	40.87
15	Gleneagle Filing No. 5	School	8.5	8.5
16	Gleneagle Filing No. 6	4 SF	0.61	2.44
17	Gleneagle Filing No. 7	21 SF	0.61	12.81
18	Out Parcel – District Office (former WWTF site)	Office	0.17	0.17
19	Muirfield Patio Homes	33 MF	0.32	10.56
20	Academy View Filing No. 1	16 SF	0.61	9.76
21	Falcon's Nest Filing Nos. 1, 2 & 3	197 SF	0.61	120.17
22	Gleneagle Filing No. 8	117 SF	0.61	71.37
23	Gleneagle Filing No. 9	64 SF	0.61	39.04
24	The Ridge at Fox Run ***	244 SF	0.61	223.26
25	High Meadow at Fox Run ***	60 SF	0.61	109.80
26	Summer Glen Estates	75 SF	0.32	24.00
27	Ridge Pointe Apartments	250 SFE	0.32	80.00
28	Fox Pines No. 1	49 SF	0.61	29.89
29	Struthers Ranch	158 SF	0.61	96.98
30	Struthers Ranch – Commercial	5 Ac	0.88	4.40
31	Chaparral Hills (as of February 1, 2015)	8 SF	0.61	4.88
32	Eagle Villas Townhomes	28 MF	0.32	8.96
33	Falcon View	138 SF	0.61	84.18
34	Paradise Villas Townhomes	110 MF	0.32	35.20
35	Academy Village Filing No. 2	2.93 Ac	0.88	2.58
TOTAL COMMITTED				1699.53

No.	Description	Number of Units/Use	Unit Use (Acre-Feet)	Total Water Use (Acre-Feet)
PENDING – INCLUSION PETITIONS RECORDED				
TOTAL PENDING COMMITMENT				0.0
PLANNED (UNPLATTED OR NO ACTIVITY)				
36	Academy Village – Commercial	7.3 Ac	0.88	6.42
37	Interchange Associates	17 Ac	0.88	14.96
TOTAL PLANNED COMMITMENT				21.38
TOTAL EXISTING & PLANNED DEMAND				1,720.91

MF = Multi-family residential, SF = single-family residential, area designations used for commercial properties.
*** Refer to discussion in Section II.D. concerning Denver, Arapahoe and Laramie – Fox Hills wells appurtenant to this tract. The District has committed to a 300-year supply to satisfy the County 300-year water rule for this parcel if necessary (total demand would be 223.26 AAF).

As documented previously, the District has a total of 1753 annual acre-feet (AAF) of nontributary water available. Additionally, 690.6 AAF of not nontributary water are available, for a total of 2443.6 AAF. The detailed water use tabulation developed in Table II-10 shows a total of 1720.91 AFF demand for property platted, pending or planned within the District. Even assuming the County 300-year rule requirements apply to the High Meadow at Fox Run development (148.84 AAF additional), a total commitment to platted/pending property is 1869.75 AAF. This leaves an excess of 573.85 AAF of supply for a planned demand from unplatted/no activity property of 21.38 AF.

G. CURRENT/PROJECTED WATER DEMAND

Table II-11 is a snapshot of the District's water users as of January 1, 2015. As of January 1, 2015, the District had 2,201 detached single-family users, 356 townhome and patio homes, the golf course, District offices, golf course maintenance shop, golf course clubhouse, and 15 commercial units on the water system. These collectively, based upon the water use planning unit demand values, result in an average annual water demand of 1,508.43 AF. This does not include the water supply demand of the Gleneagle Golf Course, other than minor maintenance use, as that operation closed in November 2013.

TABLE II-11

DISTRICT WATER USERS AT JANUARY 1, 2015

User Classification	No. of Users	Planned Supply Required (Annual Acre-Feet)	2014 Actual Demand (Annual Acre-Feet)
Single-family residential, detached	2201	1342.61 AAF	665.89 AAF
Townhome and patio home residential	356	113.92 AAF	76.42 AAF
Commercial including apartments, neighborhood commercial, schools, fire station and office building users	40	51.40 AAF	72.09 AAF
Golf course clubhouse, pool, and maintenance with winter green irrigation users	4	0.50 AAF	0.50 AAF
DENVER BASIN & SURFACE WATER DELIVERED TO USERS			814.90 AAF

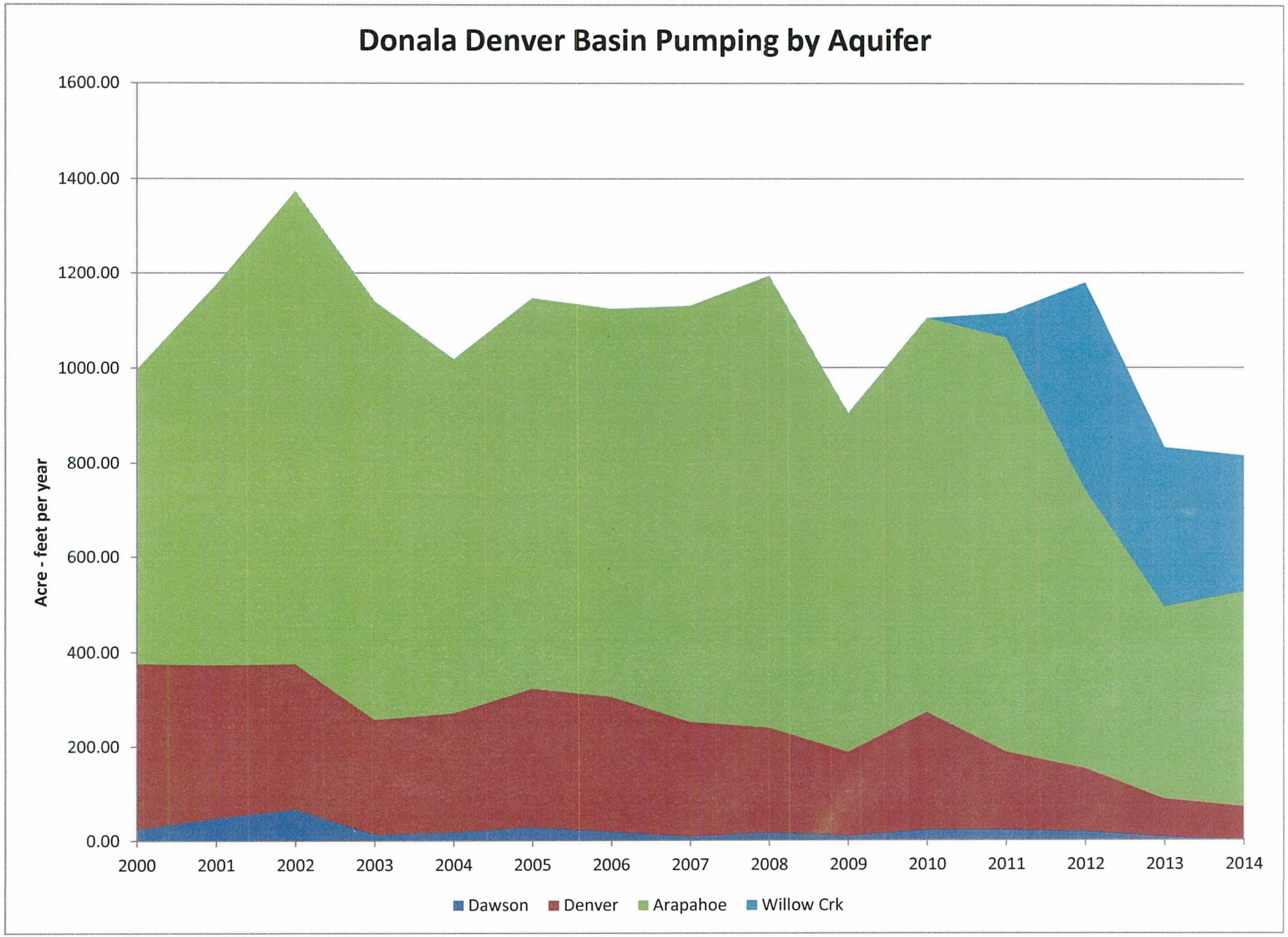
Table II-12 is an estimate of additional water service requirements anticipated within the next five years (2015-2019) based upon projected development activity. The estimated increase in the water demand is based upon the single-family and multi-family average annual water use of 0.61 AF and 0.32 AF respectively.

TABLE II-12

PROJECTED INCREASE IN WATER DEMAND

Year	Single-Family	Multi-Family	Commercial	Increase in Annual Water Demand (Acre-Feet)
2015	0	0	1	1.22
2016	0	0	1	1.22
2017	20	15	1	18.22
2018	15	15	0	13.95
2019	5	15	0	7.85
Total Estimated Additional Water Demand 2015-2019				42.46 Acre-Feet

The projected increase in actual water demand of 42.46 acre-feet over the next five years, coupled with the existing demand of 815 acre-feet (2014), totals 858 annual acre-feet. The District is using this projection plus a contingency reserve of about 10 percent for planning to ensure that its physical facilities are capable of meeting the projected water demand. As additional service connections are made to the District's system, the reclaimed wastewater supply increases.


Donala Denver Basin Pumping by Aquifer
1600.00
1400.00
1200.00
1000.00
800.00
600.00
400.00
200.00
0.00
Acre - feet per year
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
Dawson
Denver
Arapahoe
Willow Crk

SECTION III

WATER SYSTEM DEPENDABILITY

A. OWNERSHIP OF WATER RIGHTS

In preparation for updating the District's Utility Resources Report, the District engaged it's legal counsel for water matters, Mr. Frederick A. Fendell III, to write a brief opinion as to the ownership of water rights by the District. That letter report dated February 7, 2014 is enclosed with this Utility Resources Report as Appendix A. This report includes consideration of the District's decreed surface water rights that it obtained through the purchase of the Willow Creek Ranch in Lake County, Colorado. Although the year-to-year use of that water is under short term agreements with the U.S. Bureau of Reclamation for storage in Pueblo Reservoir, this is considered a sound, firm supply that is delivered to the District with an agreement with Colorado Springs Utilities. Long term agreements with the U.S. Bureau of Reclamation (BOR) and Colorado Springs Utilities are under negotiations as of the writing of this Report.

The District's legal counsel has basically summarized the decreed water rights owned by the Donala Water and Sanitation District as follows.

> *"Donala owns rights totaling 3,216.3 acre-feet per year. This includes 2,936.3 acre-feet per year of ground water rights and 280 acre-feet per year of renewable surface rights from the Willow Creek Ranch."*

The following Table III-1 is a summary of the adjudicated water legally available to the District.

TABLE III-1

DONALA WATER & SANITATION DISTRICT

ADJUDICATED WATER

Adjudication	Annual Decreed Amount, Acre-feet	Source	Notes
W-4216	1,400	Non-tributary Dawson Arkose (Denver and Arapahoe)	
85CW7	187	Not non-tributary Denver	
	93.5	Not non-tributary Arapahoe	
	66	Non-tributary Laramie-Fox Hills	
90CW45	160.1	Not non-tributary Lower Dawson	
	250	Not non-tributary Denver	
	287	Non-tributary Laramie-Fox Hills	
97CW61 and 97CW218	28	Not non-tributary Denver	
	14.9	Not non-tributary Arapahoe	
	10	Non-tributary Laramie-Fox Hills	
97CW161	172	Not non-tributary Denver	
	167	Not non-tributary Arapahoe	
	117	Non-tributary Laramie-Fox Hills	
13CW6	31.9	Not non-tributary Arapahoe	
	66.7	Non-tributary Arapahoe	
04CW16	4.2	Not non-tributary Dawson	
	39.9	Not non-tributary Denver	
	30	Non-tributary Laramie-Fox Hills	

The not non-tributary ground water described in Table III-1 is available for diversion and used by the District pursuant to the plan of augmentation decreed in multiple cases, itemized in the updated summary of water rights letter report in Appendix A. A portion of the Laramie-Fox Hills non-tributary ground water, 137.7 annual acre-feet, is reserved for future use for replacement of post-pumping deflations in accordance with the decrees. It is not included in the quantities identified available for diversion and use.

The District has aggressively moved forward in implementation of its water resource development plans, and is in the process of contracting with outside agencies/areas for additional water, particularly renewable water supplies. In the interest of confidentiality, specifics will not be discussed here; however, suffice to say that the District plans to have more than enough water to meet peak demand and 300-year water rule requirements for decades to come.

B. WATER SUPPLY COMMITMENT

The Donala Water and Sanitation District is a quasi-municipal subdivision of the State of Colorado formed and operated under the provisions of Title 32 of the Colorado Revised Statutes. The District's sole function is to provide water and wastewater management services to the constituents within its institutional boundaries. The District has perfected substantial water rights and is obtaining additional water rights. These water rights are formally committed to the subdivisions within the District. The water rights together with the necessary infrastructure to produce, treat and distribute the water to its users will be maintained by the District as necessary to satisfy the water demands within the District.

C. WATER SYSTEM

The water system map contained in the back of the report outlines the District's water system infrastructure. To adequately regulate pressure to its users, the District presently has five pressure zones within its distribution system. Pressures typically range from 65 pounds per square inch (psi) to 125 psi based on a gravity flow system from ground level storage tanks. Table III-2 is a summary of the District's potable water storage facilities.

TABLE III-2

POTABLE WATER STORAGE FACILITIES

Tank ID	Volume, million gallons	Pressure Zone Service	Overflow Elevation
Latrobe	1.25	1	7044.5
Holbein - 1	1.0	2&3	7267.0
Holbein - 2	1.5	2&3	7267.0
Fox Run Park	1.0	4&5	7547.7

Additional water storage near the Fox Run Park tank site may be added at some point in the future, depending on the point of delivery of external, renewable water supply to the District. In reaching agreements for utilization of tributary water within the District's institutional boundaries and service area, the District has agreed to only serve those areas lying within the Arkansas River drainage basin. This condition is a concession to the potential for future use of the Colorado Springs Southern Delivery System or a similar infrastructure project.

A booster pump station located at the Holbein tank site conveys water from the Zone 3 tanks to the Zone 4 and 5 tank located at Fox Run Park. In addition, it is possible that, under extraordinary operating conditions, water produced from the well located near the Fox Run Park tank may be disinfected and directed into the Fox Run Park tank.

A pump station is also located at the Latrobe Court tank site. This permits transfer of water from Zone 1 to Zone 2 and/or 3 if required. Pressure regulating stations also permit water from the Fox Run Park tank to flow downhill through the entire system, however, it is less than efficient operation to supply that tank and then return flow through pressure regulating stations when lower zones can be supplied from the Holbein or Latrobe tanks without pumping to the higher service elevation initially.

The District has two water treatment plants. Water Treatment Plant No. 1 is located in the immediate vicinity of Wells 2A and 2DV on Bermuda Dunes Way. This is commonly referred to as the "R. Hull Water Treatment Plant." This plant has a 1,050 gallon per minute (gpm) capacity and can generate approximately 1,500,000 gallons a day of treated water. A second treatment plant is located on Holbein Drive. The facility is constructed with the District's Administration Office complex. This treatment plant has a nominal capacity of 2,100 gpm and will treat 3,000,000 gallons per day.

The District's water treatment capacity with a nominal throughput of 4.5 million gallons per day (mgd) is projected to have sufficient existing treatment capacity for buildout of the District's service area. The existing water treatment plant can provide some peaking capacity beyond the nominal throughput rate of 4.5 mgd. However, extended periods at higher filtration rates are not advisable. With this in mind, the District's development of potable water storage facilities has been accomplished in a fashion to provide some daily

carryover storage. In other words, the water storage volumes have not been only designed for peak hour delivery but have been designed for multiday peak demand conditions. As indicated in Table III-1, the District has a total water storage volume of 4.75 million gallons. The District has reserved a site for a future water storage tank in the Struthers Ranch development, immediately adjacent to the R. Hull Water Treatment Plant. The storage tank may be used for raw or finished water to accommodate system demands.

The primary water treatment processes provide iron and manganese removal from the Denver Basin ground water. In addition, corrosion control is a secondary purpose of the water treatment facilities. The District disinfects all potable water with chlorine at both water treatment plants.

As a means to utilize the renewable surface water resources obtained by the District from purchase of the Willow Creek Ranch in Lake County, the District entered into an agreement with Colorado Springs Utilities for interconnection of the District's water system with that of the City of Colorado Springs. That connection was completed in November of 2011 and immediately made operational. That connection is located near the intersection of Northgate Boulevard and Struthers Road. It provides for delivery of water through the Colorado Springs system into the District's Zone 1 which is controlled by the Latrobe Court water storage tank. That water may be utilized within Zone 1 or transferred by the pump station to the water storage tanks at Zone 3. The water delivered by Colorado Springs meets all drinking water quality standards and requires no added treatment prior to delivery to the District's customers.

The District's distribution system consists of a grid of 12-inch, 10-inch, 8-inch and 6-inch mains. As development continues in the District, extensions of the distribution grid will be installed at the developers' cost. The sizing and configuration of the distribution system extensions are based, in part, on input from the District with respect to overall system requirements, not solely on individual subdivision demand. The distribution grid is capable of meeting both domestic and fire flow requirements.

The District has been very aggressive in maintaining and enhancing the water transmission and distribution system. The District consistently reviews budgets and implements improvements to the system to improve reliability, improved transfer of water supplies from

one pressure zone to another and from one source to another. The water system redundancy in terms of loops or alternative flow routing through the system has been continuously improved and enhanced by new pipeline construction.

The District has provided for extensions of its distribution system into the adjacent Chaparral Hills subdivision. That area was developed several years ago in El Paso County with large lots (3-10 acres) utilizing individual wells. Various land owners have requested inclusion to the District and made arrangements for distribution system extensions. These extensions are intended to serve domestic purposes with nominal fire flow capability for residential structures only.

As the District has cooperated in regional and subregional planning with nearby water utilities, interconnections to adjacent facilities have been accomplished. An interconnection between the Donala Water and Sanitation District and the Triview Metropolitan District is located on Struthers Road near the intersection of Struthers Loop, approximately ½ mile south of Baptist Road. Another connection has been tentatively planned with a pipeline extended from the Donala Water and Sanitation District distribution system across Baptist Road at Gleneagle Drive. At this time, the Triview Metropolitan District has not connected, pending future modifications to pressure zones to permit flow between the two systems. Depending on the particular service conditions in each District's system and the inclusion of a future pump station on the Struthers Road interconnection, potable water may be interchanged between either District through these interconnections.

D. CAPITAL IMPROVEMENT PROGRAM

The near and long term Capital Improvement Program pursued by the District is centered around implementation of renewable water sources for the District's supply. Although prudent management of the Denver Basin ground water resources historically used by the District will provide satisfactory supplies for several years into the future, it is a finite resource. Because of the relatively long time frames involved in planning, procurement and development of renewable water resources, it is "never too late" to pursue renewable water resource projects.

Over the past 15 years, the District has been very aggressive in refining and upgrading its water system infrastructure to best provide a high quality and dependable potable water supply to its constituents. As indicated in this report, the District presently has suitable water treatment capabilities for the projected water supply demands at buildout of the District. Buildout of the District is geographically and politically limited, being either constrained topographically or bounded by other water utilities' service area. With these constraints, the planning for future customers is reasonably well-defined.

Water storage facilities are considered to be adequate for the current and projected system. In particular, operation of the District's current water conservation program serves to optimize peak demands and the ability of the system to satisfy those requirements. The District's water conservation plan as adopted October 21, 2009 is discussed elsewhere in this Utility Resources Report.

The District has aggressively pursued purchase of renewable water supplies from outside the District boundaries in the Arkansas River Basin. It is now in the process of developing those supplies and evaluating alternatives and making technical, legal and institutional arrangements for utilization of those water resources for the benefit of the District's constituents. As previously discussed, the interconnection to adjacent utilities was accomplished with completion of construction of a connection to the Colorado Springs system in 2011. The deliverable water through that connection may be increased in the future, pending the District's acquisition of additional renewable surface water rights and future agreements for off-site storage and conveyance. In addition, current planning with other utilities in the Northern El Paso County area is continuing which may result in future connections of adjacent utilities with other water resources which could be utilized by the District's system.

The District is a founding member of the Pikes Peak Regional Water Authority (PPRWA), a successor to the Palmer Divide Water Group (PDWG) and the Northern El Paso County Water Providers (NEPCWP). It has consistently participated in and encouraged other members of the PPRWA to jointly plan a regional or subregional water supply system for either finished water from an external or regional source or a raw water supply from external sources. The timeline for those other external sources of water supply are

somewhat indeterminate because of the multitude of technical, legal and institutional issues to be resolved.

The following activities are outlined in tabular form to summarize the District's short and long term capital improvement programs.

TABLE III-3

CAPITAL IMPROVEMENTS PROGRAM

Activity	Timeline
Purchase of first renewable water source	2008
Interconnection with Springs Utilities	2011
Planning for regional raw or finished water supply system	2006-2015
Implementation of water system hydraulic improvements to efficiently transmit and distribute water to customers from a single point of external supply	2010-2020
Additional interconnections of District's distribution and transmission system with adjacent water utilities	2016-2030

E. FINANCIAL RESOURCES

The Donala Water and Sanitation District, being a quasi-municipal entity within the State of Colorado, can obtain revenues through a variety of sources. The District currently has in place a mill levy of 21.296 mils, assesses charges for the sale of water to its consumers and assesses a tap fee and utility development for connection to the system. The District's 2014 assessed valuation has been determined to be $70,600,260. This assessed evaluation is applicable to that part of the District identified as "Area A" which, in general, receives both water and wastewater management services. The District also has certain areas designated as "Area B" which generally only receive water supply services. The ad valorem tax rate/mill levy in Area B is half that in Area A.

For the 2014 assessed valuation given above, ad valorem tax revenues collectible in 2015 are approximately $1,503,500. The District's mill levy of 21.296 mils is applicable to Area A. Ad valorem tax revenues are primarily used to service debt for water resource acquisition and infrastructure improvements.

1. User Charges for Water Service

Commencing in year 2003, the District adopted an escalating block rate structure. Under this system, the unit charge for water service increases with a greater consumption volume. The user charges listed below are the rates effective on January 1, 2015.

Water Service Charge = Minimum of $25/month with zero volume supplied (applied to fixed operations and renewable water resource development)

- $5.94/1,000 gallons: 0 to 10,000 gallons monthly volume used
- $9.90/1,000 gallons: 10,001 to 20,000 gallons monthly volume used
- $13.20/1,000 gallons: 20,001 to 30,000 gallons monthly volume used
- $19.80/1,000 gallons: 30,001 to 40,000 gallons monthly volume used
- $26.40 /1,000 gallons: 40,001 to 50,000 gallons monthly volume used
- $33.00/1,000 gallons: Greater than 50,000 gallons monthly volume used
- Townhome irrigation service rate same as residential and commercial rate up to 40,000 gallons monthly volume used:
    - 40,000 gallons and more: $18.15 per 1,000 gallons
- Gleneagle Golf Course: Potable water supply rates same as residential and commercial rates
- Reclaimed wastewater and raw water at reduced rate schedule

2. Water Tap and Development Fees

The District has established tap fees and water development fees applicable to new connections to the District's water supply and management system. In general, these fees are applied as follows:

- Water tap fee: New users' fair share of existing and new infrastructure furnished by the District to deliver potable water to the service location.
- Water development fee: New users' fair share of the acquisition and development of raw water resources for perpetual use by the customer.

The water tap fees and development fees are shown below in Table III-4.

TABLE III-4

WATER TAP, DEVELOPMENT FEES AND OTHER CHARGES

Fees	Residential	Commercial
Water Tap Fee	¾" or 1" = $8,500	¾" line = $8,500 1" line = $8,500 1½" line = $16,000 2" line = $32,000 2½" line = $45,000 3" line= $60,000 4" line = $120,000 6" line = $240,000
Water Development Fee	$6,500	$5,000 (¾" and 1") >1" = $5,000
Water Investment Fee, per single family equivalent (SFE)	$4,000	$4,000
Installation Fee (meter and electronic equipment for billing and volume recording)	$1,500	$1,500
Availability of Service Fee	$350	$350

It is recognized by the District that the long range capital improvement projects for procurement and implementation of renewable water resources for use by the District's constituents will require new long term debt. Based on the District's sound financial condition, its existing financial condition, its existing financial resources and a very viable community, it will be able to leverage its debt capacity to support the required activities of the District.

F. CURRENT WATER PRODUCTION CAPABILITIES

As detailed within this document, the District has the legal right to sufficient water resources to meet its current and projected water requirements. A key element in the assessment of the District's ability to provide service to a new subdivision or replat is its actual water production capability. The following table provides information with respect to current capacities of the District's existing constructed wells.

TABLE III-5

WELL PRODUCTION CAPABILITY: 2014

Source Name	Aquifer Name	Water Treatment Plant	Pumping Rate, gpm [1)]	Use Type
Well 1A	Arapahoe	1	450	Permanent
Well 2A	Arapahoe	1	325	Permanent
Well 2D	Denver	1	165	Permanent
Well 3A	Arapahoe	1	370	Permanent
Well 3D	Denver	1	140	Permanent
Well 4DA	Dawson	-	-	Abandoned
Well 4A	Arapahoe	2	450	Permanent
Well 7D	Denver	2	250	Permanent
Well 8A	Arapahoe	2	300	Permanent
Well 9A	Arapahoe	1	550	Permanent
Well 10DA	Dawson	-	-	Emergency (Not Equipped)
Well 11D	Denver	2	250	Permanent
Well 12A	Arapahoe	2	325	Permanent
Well 13D	Denver	None	140	Permanent
Well 14A	Arapahoe	2	225	Permanent

1) gpm = U.S. gallons per minute

Please refer to Section II.E. of this Utility Resources Report. As indicated in Table II-8, the District's ground water resources produced a total annual supply of 517 ac-ft and 528 ac-ft during the calendar year 2013 and 2014, respectively. The physical system throughput rates are largely governed by treatment unit capacities and performance. Based on remaining development area in the District, it is anticipated that there are no issues related to supplying adequate water for new customers in the District at the existing production rates. In addition, the existing treatment capacities of the District's system are capable of supplying demands at District service area buildout.

The total available resources represented in Table III-5 are presently operating, on average, 16 percent of the time at the specified production rate. This of course has seasonal variations impacted by irrigation demand in the District.

G. PRODUCTION WELL TESTING

When the District constructs a production well, an extensive bore hole and aquifer analysis is accomplished. Aquifer hydraulic conditions are thoroughly evaluated and analyzed. In addition, water quality is evaluated, particularly an analysis of water quality from various water producing strata in the bore hole.

Utilizing this information, the screen and gravel pack designs are finalized. Following installation of the screen and gravel pack, additional pump testing is accomplished in order to develop technical parameters for assessing performance of the well and aquifer. This data is utilized to establish final pump design conditions. Following installation of the pumping equipment, there is generally no so called "test pumping" as the production conditions are established.

Production conditions are constantly monitored and data accumulated by the District to continually monitor aquifer performance. In addition, pump equipment is monitored as to its performance and capability to adapt to varying demand and system conditions. The District has a very intensive program to monitor and plan for well maintenance and pumping system modifications should production conditions degrade, or damage to pumping equipment and the well structure be evident. The District has sufficient reserve or redundant capacity such that any given well, or wells, which either has reduced production capability, or equipment or structure failures, can be taken off line and appropriate rehabilitation accomplished while maintaining the required supply to the District's system. The District maintains adequate financial resources to address these issues within each annual budget cycle.

H. WATER LEVEL MONITORING

Reporting to the Colorado Division of Water Resources is accomplished in accordance with the District's Augmentation Plan and well permit conditions. These include water level recording and reporting on a periodic basis.

SECTION IV

WATER QUALITY

A. GENERAL QUALITY CONSIDERATIONS

The Donala Water and Sanitation District operates a municipal water system assigned Public Water System ID No. (PWSID) CO 0121175 by the Colorado Department of Public Health and Environment (CDPHE). Although the diversion of raw water from both ground water and surface water sources is administered by the Colorado Division of Water Resources, Office of the State Engineer, quality considerations are closely administered by the CDPHE. Regulations are adopted by the Colorado Water Quality Control Division and the CDPHE for this purpose. These regulations address evaluation of raw water supply suitability from a quality standpoint, treatment techniques and approaches, finished, or treated water quality before delivery for human consumption and management and ultimate disposal of residuals from water treatment processes. To a more limited degree, the CDPHE also regulates and controls the acquisition, storage, application and other operations associated with water treatment chemicals.

The finished water quality is evaluated as to approximately 125 water quality parameters. These are not listed or reproduced in this Utility Resources Report, but reference is made to the Colorado Drinking Water Regulations, Article 2. These limits include inorganic, radioactive, bacteriological and organic constituents.

The water rights through which the District obtains its water resources are regulated closely by the State Engineer's office. When constructing a municipal well, the District must provide water quality documentation to the CDPHE, Water Quality Control Division, Drinking Water Section, substantiating that the produced water meets the drinking water standards. This process also addresses the use of specific treatment techniques to attain or improve raw water quality.

Appendix F contains water quality data provided to the CDPHE from various entry or monitoring points in the District's water system. This documentation substantiates that the District's potable water supply meets the regulatory requirements. This data reflects source

water from various wells treated at each of the treatment plants and the "consecutive system" water supply received from the Colorado Springs Utilities system.

B. CONSUMER CONFIDENCE REPORTS (CCRs)

In accordance with the Federal Safe Drinking Water Act and the Colorado Drinking Water Regulations, the District is required to prepare and distribute a Consumer Confidence Report annually. This report demonstrates the sources of drinking water for the District's constituents and represents the water quality constituents detected in accordance with the District's monitoring plan. The CCRs represent the maximum contaminant limit (MCL) established by regulation. A typical CCR is provided in Appendix F to this Utility Resources Report for monitoring during calendar year 2013 with reporting in 2014. As is indicated in the 2013 CCR, the District incurred no violations of the drinking water regulations during this operating period. Once the District began receiving treated water conveyed through the Colorado Springs Utilities' (CSU) system (i.e. the District's Willow Creek water), the District's CCR includes the CCR applicable to the CSU system as well.

C. MONITORING PLAN

The District operates two water treatment plants to improve water quality from that diverted from the bedrock aquifers prior to delivery to its customers. The function of the water treatment plants is to provide iron and manganese removal and disinfection using chlorine. Although the iron and manganese do not present any health-related concerns, they do create undesirable effects (discolored laundry and plumbing fixtures) to the users. The treatment facilities eliminate such problems. Chlorine residuals are maintained in accordance with CDPHE criteria.

Monitoring of finished water in the treatment processes, in water storage and at points in the distribution system including the point of use by the customers is monitored by the District in accordance with the monitoring plan. That monitoring plan has been developed, implemented and accepted by the CDPHE as being in compliance with all appropriate regulations. This monitoring plan has served well to confirm the high quality of water delivered to the District's customers. It has also served as an efficient means of providing treatment process control as well.

There are several monitoring actions which are required at intervals varying from a few days or weeks to a few years. The District maintains a precise scheduling system so as to provide excellent assurance of compliance with these regulations.

Since the District obtains its raw water supply from deep bedrock aquifers, there is little opportunity for contamination from surface water or other sources appurtenant to storm water runoff or other surface sources of contamination. This assumes that there has been good design and construction practices in the production wells constructed and operated by the District. There are, however, naturally occurring constituents which are considered to be regulated and require periodic monitoring. As is indicated in the 2013 CCR, barium, fluoride and nitrate are identified in the District's finished water supply. However, the constituent concentrations are well below the established maximum contaminant level. Total trihalomethanes (TTHMs) have also been detected in the District's water supply. However, it is a byproduct of disinfection with chlorine. Utilizing the ground water sources, there are few organic constituents in the raw water source. Thus, the total trihalomethanes which are generally created as a reaction between chlorine and organic materials are very low.

Because the District's water system utilizes a filtration process for treatment, turbidity becomes a water quality criteria and regulated parameter with suitable chemical application and proper operation. The District has been successful in always maintaining compliance with regulatory limits for turbidity.

D. OTHER QUALITY RELATED MATTERS

The District has participated in the CDPHE's Source Water Assessment Program (SWAP). The advantage of the deep bedrock aquifer as the District's water source is that source water protection is relatively simple and straight forward provided comprehensive design and construction practices are implemented when constructing a municipal potable water well. This Source Water Assessment Report is also an element in the District's well head protection program.

SECTION V

WATER CONSERVATION PROGRAM

The Donala Water and Sanitation District diverts water from the Denver Basin system of aquifers and utilizes surface water from the Arkansas River Basin for the District's present water supply. The District has adopted and implemented several measures as part of its Conservation Plan, most recently amended and adopted in August, 2012. The District Conservation Plan is aimed at extending the Denver Basin water supply for as long as possible, while reducing the overall water supply demand, and associated requirement for new, expensive water purchases. Donala also recognizes the political sensitivities of water conservation in Colorado, and is working with partners in the Pikes Peak Regional Water Authority to achieve regional conservation. Terms and conditions of the use, conveyance, storage and treatment of Arkansas River Basin water also dictate the use of "best management practices" to conserve available water supplies.

The following elements are the major components of the District's current conservation plan.

- Graduated or tiered water rate structure
- Established regulatory authority to minimize loss or waste of water
- Seasonal landscape irrigation rationing program
- Water efficient landscape and irrigation system education and accommodations
- Development and implementation of outreach, education and training programs to promote efficient water use
- Development and implementation of a rebate incentive program for use of water efficient fixtures and appliances
- Production of reclaimed wastewater for landscape irrigation at the former Gleneagle Golf Course and prepare for use of reclaimed water on presently undeveloped non-residential developments where landscape irrigation will be required.
- Maintenance of precise and efficient water metering program
- Continuing development of technical, institutional, managerial and public education and relations programs for future consideration and implementation of an indirect, and possible direct, potable reuse system for a portion of the District's water supply

A. WATER RATE STRUCTURE

1. Goal – 15% savings

The centerpiece of Donala's water conservation program is the escalating block water rate structure. The District's goal in the current approved Conservation Plan is a savings of 15 percent in total annual water use. The relative affluence of the average Donala customer has in the past meant that because of the overwhelming desire for "Bluegrass" landscaping, they will pay the price for green lawns. Although the irrigation rationing program and landscaping technique training have a mild effect, it appears that the rate structure is the most effective tool available to the District.

It needs to be emphasized that Donala has a property tax mill levy of approximately 20 mills that can be used for any expenses, including debt service. It is therefore an operations and maintenance funding mechanism that should be added to the normal water bill to clarify the real monthly expense to the customer. As an example, in 2008 the average single family home owner in Donala paid another $4.50 per month in property taxes on top of their water bill.

The rate structure shown in Section III of this Report describes the different tiers of cost per 1000 gallons. Because townhome irrigation accounts typically hit the high volumes due to their system size, there is a reduced increment for monthly metered use volume exceeding 40,000 gallons.

The Gleneagle Golf Course was the District's largest customer (5% of well water, 10% of overall water service). Because most of the well water provided to the course was untreated (raw), there was a special rate. In addition, the course has used treated wastewater and a surface water source that was augmented at the Donala wastewater treatment plant. That surface water was also served at a lower rate. During 2013, the Gleneagle Golf Course ceased operation. It's future operation or alternative land use are unknown as of the preparation of this issue of the District's Utility Resource Report.

2. Operational Results Of Conservation Based Rates Through 2012

To date it appears that the graduated rate structure has not had a significant impact on water conservation. The total use of water varies from year to year based on the amount of precipitation, but apparently most customers will use whatever it takes to keep their current landscaping green. Without any measurable increase in customers, residential accounts used 9 percent more water in 2012 than 2011. There was some recognition of the impact of rates on the largest individual residential users. The number of residential customers using more than 40,000 gallons in a billing period was about 30 percent less in 2012 than in 2010.

3. Future Planned Action for Conservation Based Water Rates

Although the tiered rate structure and relative expense of water to Donala customers has not appeared to make a difference in conservation, the District will continue to raise rates as appropriate to attempt to force conservation. It is expected that rates will increase by 100% over the ten year period from 2008-2018 to help cover the substantial expense of renewable water. The District increased residential rates an average over all tiers 10 percent for 2015 from 2014.

B. WATER TAP/DEVELOPMENT FEE STRUCTURE

1. Goal – Fees to Fully Finance Water Rights and Infrastructure

The District's tap and development fee structure is meant to ensure that development pays its way in Donala. Fees are relatively high, but close to what neighboring utilities charge. The idea is to not make development so prohibitive that landowners will look elsewhere, yet to be sure that the District infrastructure to serve the new developments can be adequately financed. Although there is very little land in the District yet to be developed, there is potential for further inclusions of property. Management has taken all potential demands into account when planning for future water supplies and infrastructure. The wastewater and water rights capacity of the current district is sufficient to serve the new area.

2. Conservation Related Impact of Water Development Fee Structure

Since the late 1990s, Donala has been able to accumulate funds for some of the required future demand supply and infrastructure. Unfortunately, development has waned, both because of the current economic slow down, and because of the lack of property yet to be developed. Without inclusions of neighboring potential development, the District can expect to recognize only about $4 million in future tap and development fees, and that will likely be spread over 10-15 years. The District's tap and development fees have not had a quantifiable effect on water use in the District.

3. Future Planned Action for Conservation Based Development Fees

The District's Water Conservation Plan will keep the fee structure high enough to ensure development continues to pay its own way, but attractive enough to encourage the landowners to develop their vacant property. The District will work with neighboring entities and landowners to include property that makes sense for Donala's growth, and helps finance the needed infrastructure and water rights.

C. REGULATORY MEASURES

1. Goal – No specific saving percentage. Work with Pikes Peak Regional Building Department to enhance conservation efforts.

As a water and sanitation district outside of a city or town, Donala has no direct authority over home or commercial construction and plumbing codes. In addition, the decision to approve or disapprove development lies with the County Commissioners. Donala's charter is to provide service to landowners looking to develop with the water they deeded to the District upon inclusion.

Although the District has construction specifications and requirements for water and sewer service into a building, the installation of water-friendly plumbing fixtures and appliances cannot be mandated. The District Rules and Regulations do outline fines and penalties for "wasting" water through illegal means, but there is no direct authority

over internal activities and the use of water. Some pertinent regulations of the District are discussed below.

a. Unauthorized Hydrant Use Penalty

District owned and maintained fire hydrants are "off limits" to everyone except fire department and District personnel. Unauthorized use of a fire hydrant will result in a penalty, and a charge for the suspected water used.

b. Unauthorized Irrigation Penalty

If a customer irrigates during non-authorized times per the District rationing program, the first offense will incur a warning letter. Second offense incurs a sterner letter and notification of a fine the third time. The third offense incurs a $50 penalty. Fourth offense incurs a $100 penalty and a disconnect notice. Fifth offense incurs immediate disconnection of water service and the appropriate fees to re-connect.

c. Water Plumbing Maintenance Procedures

To ensure that the meter works properly, District personnel will repair or replace any inoperative or leaking water meter.

d. Water Service Line Maintenance Procedures

Although the responsibility for repairing a broken or leaking service line may be the responsibility for the customer, the District will take steps to cease flow to the leak to avoid wasting water.

2. Water Conservation Impacts of Regulatory Measures

Through diligent management of "actual" water, Donala has provided service as necessary for development. Responsible management of the aquifers means they will supply enough water for an estimated 15 to 20 more years before becoming

uneconomical. That outlook and policy has been adequately provided to the County staff and Commissioners so that development has not exceeded demand. Good relations with the Pikes Peak Regional Building Department (PPRBD) and the region's efforts to enhance conservation have encouraged builders to install "water friendly" appliances for the most part. Utilization of limited surface water supplies likewise will assist in extending the economic life cycle of the District's ground water resources.

Original landscaping still leaves much to be desired. Installation of bluegrass sod is much cheaper to the builder than xeriscape plants and bushes. District participation in regional educational awareness programs help some, but the simple fact is that a builder and developer will spend only what is necessary to sell the home, leaving the resulting conservation efforts up to the homeowner and service provider.

3. Planning for Future Water Conservation Based Regulatory Measures

The District will continue managing the well field while diligently seeking and putting in place additional renewable water supplies. It will work with the County Commissioners and planning personnel to ensure regulations are intact so that development does not outpace the water supply. The Conservation Plan provides for continuing work with PPRBD and to promote regional training and educational programs to raise awareness of the critical situation of water to enhance conservation.

D. IRRIGATION RATIONING

1. Goal – 15% savings or Reduction in Annual Volume Delivered to Customers

The mandatory irrigation rationing program is the most visible and controversial piece of the District's Conservation Plan. The goal of the program is to conserve water by curbing demand, thereby extending the life of the aquifer supply. In addition, it is recognized that the more the customers save, the smaller the overall demand, and consequently, a reduced investment in the replacement supply will be necessary.

The rationing program consists of mandatory restrictions from Memorial Day through Labor Day, and voluntary restrictions otherwise. Customers are allowed to water three

times a week, generally corresponding to their address number. Odd number addresses water on Monday, Wednesday and Friday, while even numbers water on Tuesday, Thursday and Saturday. Normally, no irrigation is allowed by residential and commercial customers on Sundays. Commercial and business customers are allotted watering days based on their location, and are generally evenly split (M, W, F or T, T, S).

The District is flexible in allowing waivers for new landscaping (one month), and customers who want to water Sunday instead of Saturday or Monday. Hand watering is allowed at any time, as long as it is constantly tended. Watering times are from 6:00 p.m. to Midnight, and Midnight to 9:00 a.m. Rain controllers are recommended and incentives awarded for their installation. The District has installed two weather stations, one at each water treatment plant, that display rainfall and evapotranspiration (ET) data on the District website. Weather based irrigation controllers are offered and controlled through the District weather stations. However, because these ET controllers do not save water during dry periods, their use is not encouraged as a single or primary conservation device. They do allow peace of mind, especially for customers who will be away from their home, and will shut down the system during precipitation events.

The rationing program is enforced through District Rules and Regulations. Violators are verified by District personnel, and a series of warning letters are issued. The third and fourth warning also incur a fine ($50/$100), and the fifth occurrence is grounds to terminate water service.

2. Water Conservation Impacts of Irrigation Rationing

Overall results of the irrigation rationing program have been mixed. Since the initiation of the program, it is difficult to measure the actual effect. No appreciable reduction in water use can be calculated on an annual basis. By observing the actual usage of customers, it is obvious that for many, the plan only restricts when they irrigate, not how much they irrigate. This has the effect of reducing the peak day or hourly demand on the water supply system. This is a benefit to the efficiencies of the overall District resource system.

3. Planning for Future Irrigation Use Management

The District will continue with the irrigation rationing program while increasing rates and education programs to attempt to overcome the "Bluegrass Mentality," striving for the 15% reduction goal.

E. LOW WATER USE LANDSCAPE MEASURES

1. Goal – 10% More Xeriscaped Yards per Year

The basic goal of Donala's education and training programs is to help modify the "Bluegrass Mentality" of the customers. The aim is to convince citizens that lush, green lawns and water intensive plants are not appropriate for the high plains desert area where they live. Newsletters, website links, presentations, and other materials are all available and distributed on a regular basis.

Donala continues to participate in the Water Returns (WR) Project. WR is a regional educational program of workshops and training, bringing together professionals from the nursery, irrigation and consultant fields to help participants design and install their own water-friendly landscaping.

2. Results – Minimal Increase in Use of Xeriscaping

WR was initiated in 2008. The planned workshops were not scheduled in a timely manner for all participants to complete their projects. The general economic downturn that started in late 2008 also contributed to minimum actual project completion by customers. There has been very little indication of "spreading the word," and neighbors helping neighbors through 2012 – 2013.

3. Planning for Future Conservation Based Landscape

The District will continue education and training on all fronts, emphasizing xeriscaped landscaping and reducing the demand for irrigation water. It will continue with Water

Returns or a similar, more localized program with immediate neighboring entities and consider a one time rebate for customers who by landscaping techniques and improvements, decrease their irrigation demand.

F. EFFICIENT IRRIGATION MEASURES

1. Goal – Contribution to the overall landscaping water use efficiency program

Donala publishes a monthly newsletter with several articles about how much and when to irrigate. Some of the suggestions are:

- Do not irrigate in the heat of the day (Rationing program mandates 6 PM – 9 AM).
- Do not irrigate in periods of high wind.
- Irrigate lawn areas for more frequent, short durations – 40 minutes per day total for lawns, 15-20 minutes for plants and bushes.
- Keep lawns cut at a relatively long length (5"), keeping soil and plant moisture from decreasing quickly.
- Use appropriate fertilizers and aeration techniques.
- Do not irrigate during or immediately after a precipitation event.
- Use the District weather station ET data for when/how much to irrigate.
- Maintain irrigation system annually to check for leaks and inefficient spray heads.
- Use the information provided on the District website to determine how much the system puts out, and how much is needed for each zone. Set the controllers accordingly.

The District Incentive Programs include rebates for new programmable irrigation controllers and rain controllers. In addition, the District offers the use of the Rainbird weather based evapotranspiration (ET) irrigation controller, although not as a conservation measure, during the summer season. The ET controller takes temperature, ET, wind, precipitation, and specific system type into consideration and controls the operation of the irrigation system. Although it is a good set-it-and-forget-it system for customers who travel or who just want the peace of mind can use, it does not save water during hot, dry times. Although it is estimated that over a year's time the ET controller may save approximately 20% of water usage, that is not the case

during the irrigation rationing period, unless there is substantial precipitation. Therefore, although it is available for customer purchase, it does not relieve them of the rationing responsibility.

Through the Water Returns and other xeriscape landscaping programs and techniques, the use of drip irrigation systems is recommended. It is virtually impossible for District personnel to tell if a customer using a drip system is operating it during the "off irrigation hours." In fact, if a customer has installed such a system and the landscaping that goes with it, the District will issue a waiver to the rationing program.

2. Water Conservation Impacts of Irrigation Efficiency Enhancements

General results of the District's efforts to educate the public on irrigation techniques has been positive. The District will respond to customer calls for help programming their systems, and where customers have adopted a more "water-friendly' landscape, they are also more cognizant of their irrigation system operation. However, it continues to be a facet of the "Bluegrass Mentality." Until the rate structure, the rationing program, or a more severe drought "take hold", many customers will continue to overuse water during the irrigation season.

3. Planning for Future Irrigation Efficiency Enhancements

Continuation of education, outreach programs and incentives while increasing the rates and continuing to ration, aiming toward more "water friendly" landscaping, and the irrigation systems and techniques that go with it are elements of the current Conservation Plan.

G. WATER EFFICIENT FIXTURES AND APPLIANCES

1. Goal – 5% savings

Donala has a rebate program to encourage water conservation. Customers who convert their present plumbing or irrigation systems to newer "water saving" devices will be awarded the rebates below. The appliances generally meet the Energy Star government rating.

a. High Efficiency Washer

$100 rebate to replace higher water use washing machines (45 gallons per load) with low usage front load washers (18-25 gallons per load). Energy Star rated machines are recommended.

b. Showerhead

$10 rebate to replace higher use showerheads (4 gallons per minute) with a more efficient showerhead (2.5 GPM).

c. High Efficiency Toilet

$50 rebate for a high efficiency toilet that is rated to use no more than 1.6 gallons per flush. However, toilet water use varies by design. Some are simply designed with a smaller size tank and therefore flush less water. However, experience shows they often require two flush cycles to completely clear the bowl. The high efficiency toilets eligible for a rebate are the high pressure type that completely evacuate the bowl with one flush.

d. Irrigation Controller

$35 rebate to customers who do not already have an irrigation control (clock) that sets multiple days and time limits to conserve water.

e. Rain Sensor

$25 rebate to purchase a rain sensor that overrides an irrigation system when detecting precipitation.

2. Result – 1%-2% savings

Through 2014 Donala has paid rebates for exchange of 529 plumbing fixtures. This represents about 4.4 percent of all such fixtures in the District. About one percent of the customers have converted to high efficiency washers. As new construction takes place, and as appliances are replaced, it is expected more savings will occur, even if not indicated by the rebate program. The Energy Star and other water saving appliances and devices are predominant in retail outlets, so that all customers will by default become more conservation conscious.

3. Planning for Water Demand Reduction with Fixture and Appliances

The District will continue the outreach and educational programs and the incentive rebates to encourage more savings of water and money.

H. WATER REUSE PROGRAMS

1. Goal - 50% of Golf Course Irrigation Water

The Gleneagle Golf Course has been the most water conservative customer in Donala. Since 1994 the golf course has been using treated or reclaimed wastewater for irrigation, significantly decreasing its dependence on the District's Denver Basin aquifers.

A separate distribution system is in place for most of the commercial areas yet to be developed within the District. If development demands a substantial amount of irrigation to support those areas, reuse water will be utilized.

The District participated in a Water Infrastructure Planning Study (WIPS) with regional neighbors in 2006. One of the recommendations of WIPS is to jointly develop an indirect potable reuse (IPR) system to conserve water and to decrease local storage and supply requirements. The price tag for a regional system was estimated at $47 million, and it did not include the requirement for reverse osmosis (RO) treatment.

A separate study was funded by Donala to ascertain the regulatory and public perception issues with an "in house" IPR system for Donala only. Results of that preliminary study were that Donala does not have the drainage area, infrastructure and capability of satisfying current Health Department (HD) and EPA regulations. That same study recommended the regional partners in WIPS investigate further with the HD and public before investing in a regional system. In addition, it is generally believed that when a renewable source of water is obtained, depending on where it comes from and who actually "owns" it, there may not be available effluent to process for IPR. The owner of the water will also own the effluent.

There are markets for effluent downstream, and depending on the demand and price, sales of excess effluent may prove more cost efficient than an IPR system.

2. Conservation Related Impact of Water Reuse Programs

From 1994 to 2006, when another source of water was obtained (non-potable surface water) reclaimed wastewater or reuse water accounted for 48% of the golf course water requirements. The mix of surface water as a source contributes to a total savings of close to 60%. Although production of "swim beach standard" reclaimed water is not a cheap process, it has been an economical and efficient use of Donala's excess effluent.

3. Future Planned Action for Water Reuse Programs

The District will continue to maintain the capability to produce reclaimed water for landscape irrigation. The challenge is to make it economical enough to be attractive for non-potable system development while covering the costs of production, and exceeding what the effluent could otherwise yield on the downstream market. The

District will continue to emphasize and force the use of reuse water for irrigation on any new commercial construction with viable landscaping plans and participate with regional neighbors investigations of the use of both non-potable and indirect potable uses of treated wastewater. The District will continue to market and find the best price for downstream excess effluent.

The District has been very proactive in continuing examination of other uses of water resources which are available for use to extinction. This includes the use of reclaimed wastewater for indirect potable reuse. The District conducted a detailed evaluation of the potential to augment potable supplies with reclaimed wastewater in its *Donala Extended Water Supply Study or DEWSS.* In addition, it participated with the Town of Monument and Woodmoor Water and Sanitation District in evaluation of an indirect potable reuse project for the Upper Monument Creek region. To date, i.e. 2014, the cost to produce a potable water supply from reclaimed wastewater cannot be found economically feasible. This may change in the future.

I. NON-POTABLE SUPPLIES

1. Goal - 60% Savings in Conjunction with Water Reuse Systems

In 2006, in conjunction with the Gleneagle Golf Course, the District was adjudicated the use of a small surface water source, known as Jake's Lake, for irrigation use on the course. A distribution system has been installed by a previous developer and owner of the golf course. The District augments 100% of the water used through the wastewater treatment plant discharge to Monument Creek.

In 2008 Donala participated in the Pikes Peak Regional Water Authority in supporting HB-1129, a precipitation harvesting bill aimed at allowing customers to capture rainwater runoff to use in irrigation. Though the bill was significantly diluted with amendments, and turned into a ten year test, the District continues to support the concept. As an example, on April 17th and 18th, 2009, the District received over 20-inches of very wet snow. Runoff from the storm on April 18th and 19th increased the flows to the wastewater treatment plant by close to 30% due to infiltration and inflow. In addition, several detention pond areas had standing water and customers had

significant groundwater flows into their basements. Although legal and water rights issues associated with use of such water is recognized by the District, it has taken the position that if it could be captured and used later for irrigation, much of it would still reach its "rightful owners," and in the meantime, customers would reap the benefits of available "nuisance" water.

2. Result - 50%-60% Savings When Coupled with Reuse Water

The amount of water available from Jake's Lake is significantly dependent on precipitation and the level of the lake. During and immediately after precipitation events, it flows at near 200 GPM, while during drier times, it only produces 25 GPM. Regardless, it is a good source of water and an economical use of Donala excess effluent. The two sources (Jake's Lake and reclaimed wastewater) have drastically cut the requirement to deplete the Denver Basin aquifer wells to supply the golf course.

3. Planning For Water Demand Reduction with Use of Non-potable Supplies (Other than Reclaimed Wastewater)

The District will consider the use of local supplies other than Denver Basin ground water and reclaimed wastewater for non-potable uses such as landscape irrigation. It will search for sources similar to Jake's Lake in the local area and continue support for legislation that makes a logical use of precipitation runoff legal.

J. DISTRIBUTION SYSTEM LEAK DETECTION AND REPAIR

1. Goal - 90% of Water Produced is Billed

The goal of Donala, through leak detection and repair, as well as other methods, is to maximize the amount of water billed that is produced and minimize leaks and waste. By installing meters at several locations, it is able to measure the amount of water pumped from each well, moved through the various phases of the treatment process, and finally pumped to the distribution system. Through the use of automation (SCADA), the level or volume of the water in storage is known at all times.

When a leak in the distribution system is detected, the District has the equipment and personnel to make all but the largest repairs. The response time is excellent, and even if the leak is on the customer side of the system, the District will assist in repairs, or at least turn off the supply to the leak to avoid further waste.

When a leak is suspected but not specifically located, Donala calls out contract personnel with detection equipment, and makes repairs as needed.

2. Results - More than 95% of Water Produced is Billed

Because the Donala distribution system is relatively new, and because of all of the controls described above, the system is "tight," with very few leaks. Waste is identified immediately and corrected. A report of pumped versus billed water is provided to the District Board of Directors monthly. Two leak surveys have been conducted to pin-point actual leaks and repairs were made. Calendar year 2014 was exemplary in that 98.7 percent of water produced was billed.

3. Planning for Water Demand Reduction with Waste Minimization

The District will continue to monitor and upgrade the system and, when budget allows, purchase its own leak detection equipment. The District will contract leak surveys as necessary and continue to monitor older asbestos cement water mains, and line or replace them when necessary.

K. WATER METER EXCHANGE PROGRAM

1. Goal - 80% Efficiency

Donala understands that mechanical water meters erode and wear as time goes by. The result is that less water is measured than actually flows through the meters. For this reason, Donala started a meter replacement program in 2004, replacing water meters every ten years. In 2014 the District began the use of Badger Meter Company *e-meters* which are not mechanical but use a small scale ultrasonic system. These meters are not rebuilt but are exchanged for new meter assemblies with the

manufacturer when required. These meters are projected to have a 20-year service life compared to a maximum of 10-years with mechanical-based meter technology.

Although the water meters are purchased by the builders, the District will maintain (repair or replace) them. Donala understands that a non-functioning meter means no water usage is measured and therefore charged to the customer. Leaking meters also generally do not register the lost water. Water lost or wasted (not measured), or excess water not accurately measured by old meters gives the customer a false sense of economy. As a result, customers will use more water than they are actually paying for, and have less incentive to conserve.

Current meter monitoring software will detect constant flow of water over a 24 hour period during the preceding period (since the last meter reading). The computer will alert administrative staff, and a notice is sent out to the customer alerting them of a possible leak.

2. Result - 70% + Efficiency

Donala conducted a survey on water usage after the first phase of meter exchanges with rehabilitated equipment, and the result was up to a 30% higher reading through new meters than old. Although the degree of accuracy of a meter depends on the degree of wear on the impeller, the general concept is that the older the meter, the less it will accurately measure the flow of water.

Repairs and replacements of defective meters, and the constant flow alerts have limited water lost and improved customer relations.

3. Planning for Water Demand Reduction with Meter Maintenance

The District will continue to change out water meters approximately every ten years, conducting surveys to determine actual savings. It will replace meters when necessary and continue with constant flow alerts.

SECTION VI

DONALA WATER AND SANITATION DISTRICT WASTEWATER MANAGEMENT

A. WASTEWATER TREATMENT FACILITY

The Donala Water and Sanitation District (DWSD) is one of three owners of the Upper Monument Creek Regional Wastewater Treatment Facility (UMCR WWTF). As of December, 2014, the DWSD owns 38.86% of the capacity of that facility, equal to a 30-day average hydraulic capacity of 0.68 million gallons per day (mgd). The DWSD and its professional staff are the designated operator in responsible charge (ORC) as required by the Colorado Department of Public and Health and Environment (CDPHE) regulations.

The UMCR WWTF is presently owned by the DWSD, the Triview Metropolitan District (TMD), and the Forest Lakes Metropolitan District (FLMD). The facility was originally constructed in 1988, but did not commence operation until 1995. At that time, the three districts entered into an Intergovernmental Agreement (IGA) which provided for the facility to be operated by the DWSD. As the IGA has been amended from time to time, the DWSD remains as the "responsible operator of record."

The background of regulatory agency approval of site location applications for the UMCR WWTF is provided below:

- June 24, 1985 – Site Application No. 3727 for 0.5 mgd WWTF with land application
- June 29, 1987 – Site Application No. 3727 amendment and extension; amendment added reclaimed wastewater storage and reclaimed water pump station for use in landscape irrigation
- March 9, 1995 – Site Application No. 4189 for land application and storage of reclaimed wastewater on the Gleneagle Golf Course
- January 26, 1999 – Site Application No. 4408 for expansion of WWTF capacity to 0.875 mgd
- July 26, 2005 – Site Application No. 4803 for expansion of WWTF capacity to 1.75 mgd

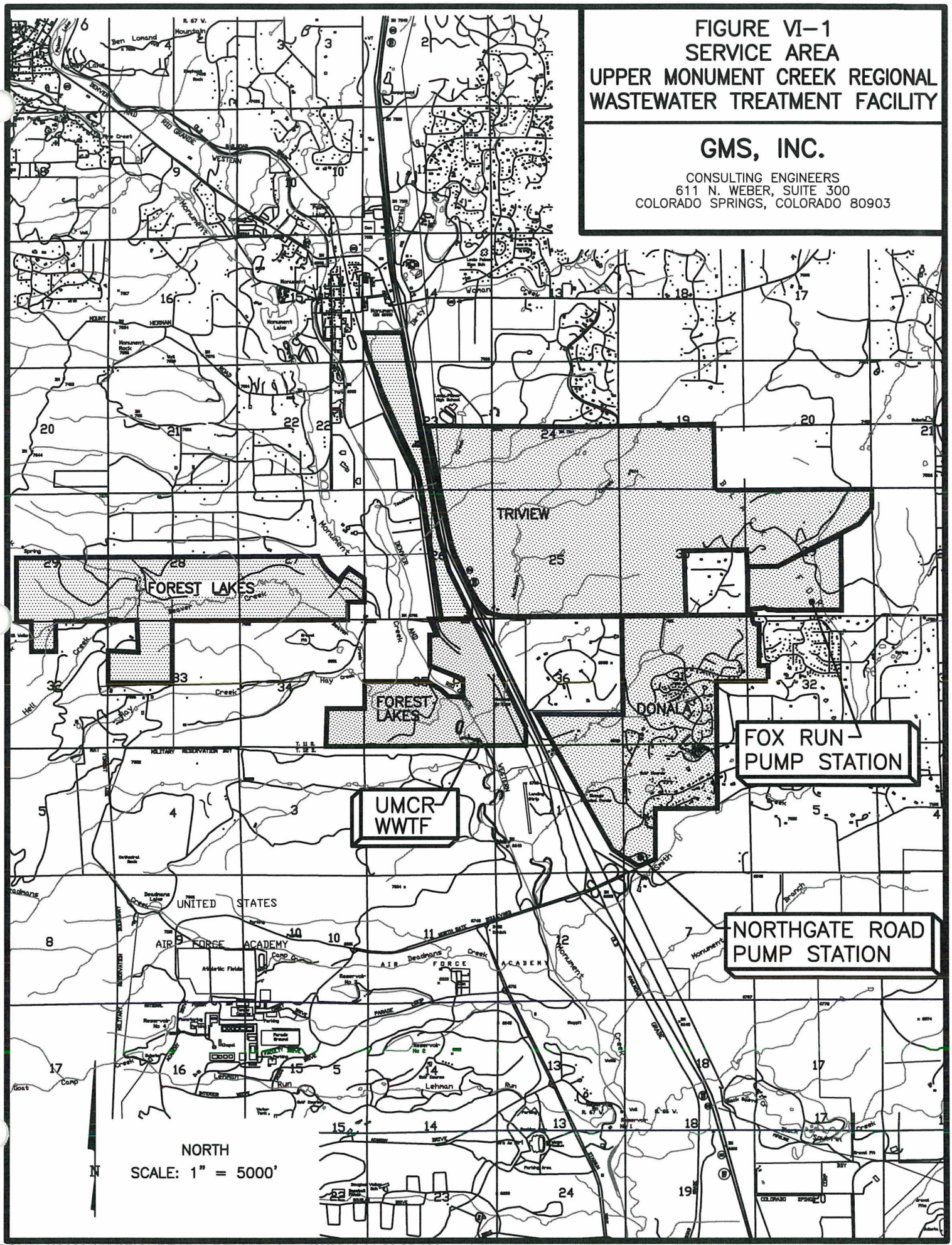
Since the commencement of operations, the UMCR WWTF has operated with a Colorado Discharge Permit System (CDPS) Permit No. CO-0042030. That permit was last issued with an effective date of March 1, 2010, expiring on February 28, 2015. In accordance with the Colorado Discharge Permit System regulations, the UMCR WWTF has made application to the Colorado Water Quality Control Division (WQCD) for renewal of the UMCR WWTF discharge permit. That permit renewal was submitted in accordance with the request of the Water Quality Control Division on January 9, 2014. Public notice of the issuance of a draft renewal permit for the UMCR WWTF was issued on October 17, 2014. As of the end of December 2014, the final renewal permit addressing comments submitted by the UMCR WWTF and other interested parties has not been issued by the Colorado WQCD.

The UMCR WWTF is also subject to the following regulatory permitting and appurtenant conditions.

- *Biosolids General Permit* issued by U.S. Environmental Protection Agency, Region 8 for biosolids disposal for beneficial purposes
- *Notice of Authorization* for Use of Reclaimed Water for landscape irrigation

As of the writing of this updated Utility Resource Report, the UMCR WWTF is in full compliance with all aspects of regulatory permitting for the facility.

Figure VI-1 is a representation of the service area of the UMCR WWTF. This is reflective of each of the separate districts' or Owners' existing and projected areas of wastewater management responsibility.



G:\DONALA\93061\502\FIGURE VI-1_REV2013.dwg, 4/1/2015 11:09:32 AM, sc, 1:1

B. WASTEWATER COLLECTION AND CONVEYANCE SYSTEMS

The DWSD owns and operates a central wastewater collection system collecting and conveying all wastewater generated within the District's service area to an interceptor sewer which conveys wastewater from other collection systems to the UMCR WWTF. The wastewater collection system consists of a conventional network of gravity wastewater collection system pipelines ranging in size from 8-inches to 24-inches in diameter.

A recent evaluation of portions of the wastewater collection system in the central portion of the District has indicated there is sufficient capacity in the existing pipeline network, under gravity flow conditions, to convey existing and other wastewater contributions under presently conceived build-out conditions. This system evaluation has confirmed the wastewater conveyance capability to accept wastewater from the adjacent Academy Water and Sanitation District (Academy). The DWSD is contemplating an IGA with that District to provide wastewater conveyance, treatment and disposal of wastewater generated in the Academy service area.

The following table, Table VI-1, is a summary of the anticipated maximum conveyance requirement of the trunk sewer pipeline conveying all wastewater from the District's service area. It demonstrates sufficient capacity for build-out of the District.

TABLE VI-1

INFLUENT/INTERCEPTOR SEWER CAPACITY

Pipe Segment Station Downstream to Upstream	Pipe Dia., Inches	Segment Length, ft.	Pipe Material	Pipe Slope, %	Pipe Capacity @ y/D = 0.75, mgd	Service Area PHF, mgd	Excess or <Deficient> Capacity, mgd
Pump Sta. to MH 0+00	24	18.8	DIP	0.3	7.30	6.455	0.84
0+00 to 0+69.66	24	69.66	PVC	4.88	29.43	6.455	22.98
0+69.66 to 2+01.26 (sampling at MH on WWTF)	24	131.6	PVC	7.94	37.54	6.455	31.09
2+01.26 to 5+06.26 (west side of RR)	24	305.0	PVC	1.36	15.54	6.455	9.08
5+06.26 to 5+56.6	24	50.34	PVC	1.25	14.90	6.455	8.44
5+56.66 to 6+65 (w/STL pipe casing)	24	108.4	PVC	1.37	15.60	6.455	9.14
6+65 to 7+72.16 (east side of RR)	24	107.16	PVC	1.02	13.46	6.455	7.00

NOTES:
1. Pipe data from RBD, Inc., As-Constructed Drawings, dated April 12, 1995.
2. Stations and pipe segment lengths generally reflect centerline to centerline of manholes.
3. Service area peak hour flow (PHF) is based on Unit Flow Contribution Plan No. 1, build-out at 11,240 SFEs, and a peak hour to average day ratio of 2.50.

The DWSD wastewater collection system also includes two wastewater pump stations (aka lift stations). One lift station, commonly referred to as the Fox Run Lift Station, provides for conveyance of wastewater generated in The Ridge at Fox Run subdivision which does not drain by gravity to the remainder of the District's collection system. A portion of that tributary area is located in the Smith Creek drainage and provides wastewater service to approximately 192 single family residences. That portion of the District's service area is completely developed at this time.

The Fox Run Lift Station is equipped with duplex pumps and a gravity overflow pipeline connection to an adjacent wastewater utility, the Academy Water and Sanitation District. An intergovernmental agreement (IGA) between the DWSD and the Academy Water and Sanitation District provides for service by the Academy Water and Sanitation District in the event there is a failure to operate condition at the Fox Run Lift Station. This would provide service in the event of pump or motor failure or a utility power outage.

The District's collection system also includes a wastewater pump station in the southwesterly extent of the District, located near the Interstate Highway No. 25 and Northgate Boulevard Interchange. That wastewater pump station, commonly referred to as the Northgate Lift Station, is designed to convey that portion of the District's service area which is likewise not tributary by gravity to the trunk sewer draining to the UMCR WWTF. That portion of the District is also tributary to Smith Creek near its confluence with Monument Creek. That wastewater pump station is designed to convey wastewater generated by multi-family and commercial development in the District. The tributary area to that pump station is approximately 60 to 70% completely developed.

The Northgate Lift Station includes duplex wastewater pumps, onsite power generation and onsite emergency overflow storage. This wastewater pump station, initially commissioned for operation in the fourth quarter of calendar year 2000, has continued to operate effectively without any incidences of unacceptable outages. Based on development plans available to the District as of the writing of this Utility Resources Report, the remaining capacity of this pump station is sufficient for build-out of the tributary area in the District.

SECTION VII
EXISTING WASTEWATER SYSTEM CONDITIONS

A. EXISTING TREATMENT FACILITY LOADING CONDITIONS

The UMCR WWTF has been receiving wastewater from the DWSD and the Triview Metropolitan District for approximately 20 years. Since that facility was commissioned for operation and treatment of wastewater accomplished, it has been operated and managed at the highest level by certified water professionals. The treatment facility conditions and performance is representative of this high level of expertise. The facility has consistently achieved the required effluent quality in accordance with the respective permit requirements.

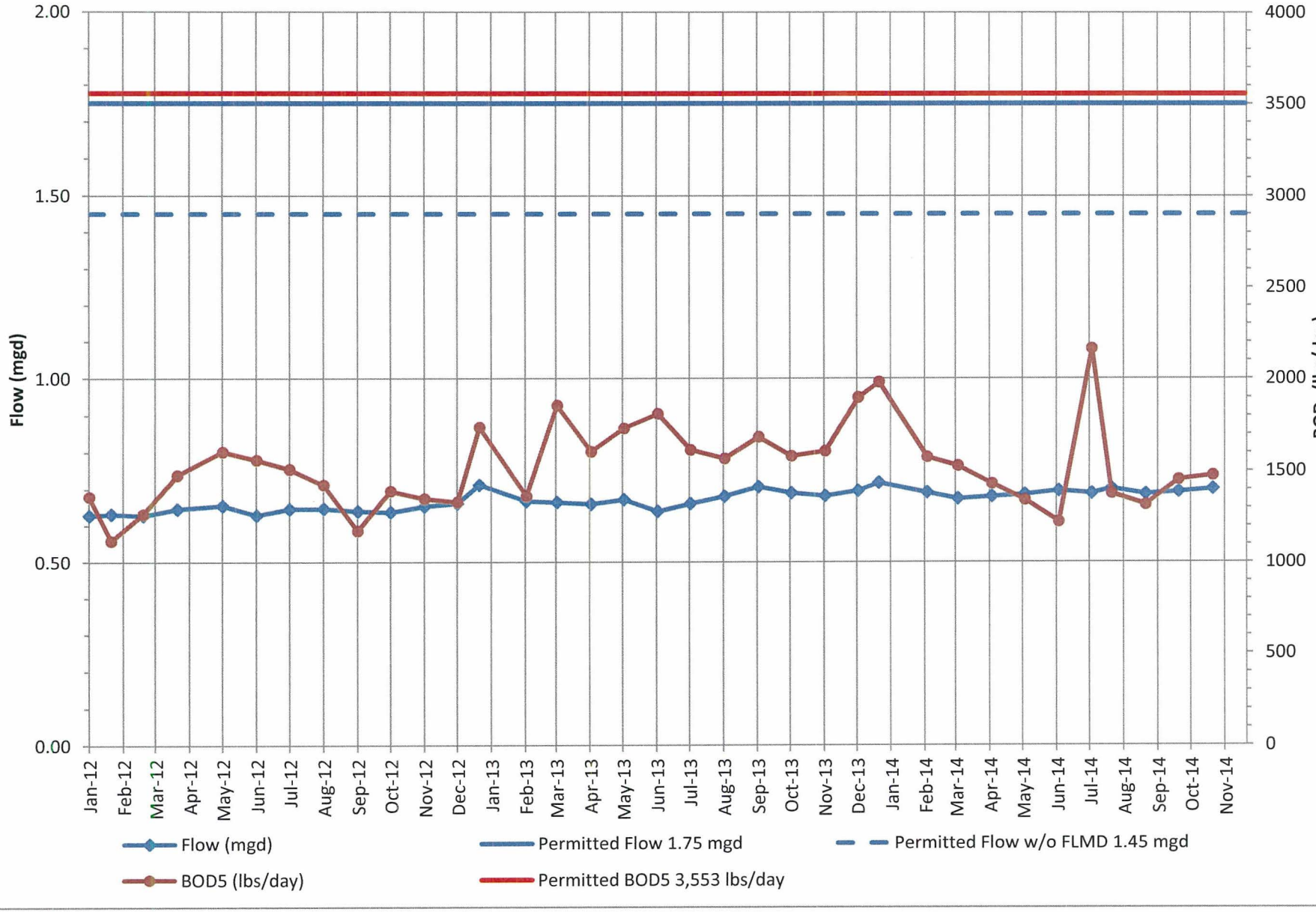
Figure VII-1 is a graphic representation of the existing loading on the UMCR WWTF. This graphic exhibit represents both hydraulic loading and organic loading compared with the permitted maximum 30-day average daily load permitted.

The following pertinent factors are represented by this graphic exhibit.

- Only the DWSD and the TMD are contributing wastewater to the UMCR WWTF at this time. The Forest Lakes Metropolitan District (FLMD) does not contribute wastewater to the facility but is planned in the future.
- The current hydraulic and organic loading on the UMCR WWTF are 39.7% and 44.1%, respectively, of the maximum 30-day average daily load permitted.
- Removing the ownership portion of the treatment plant capacity for FLMD, a remaining hydraulic and organic capacity of 1.45 mgd and 2,944 pounds per day of 5-day biochemical oxygen demand (BOD_5) remain. The current waste load on the facility by the DWSD and TMD is 47.9% and 53.3% of hydraulic and organic loading, respectively, of the total capacity allocated to those two contributors.

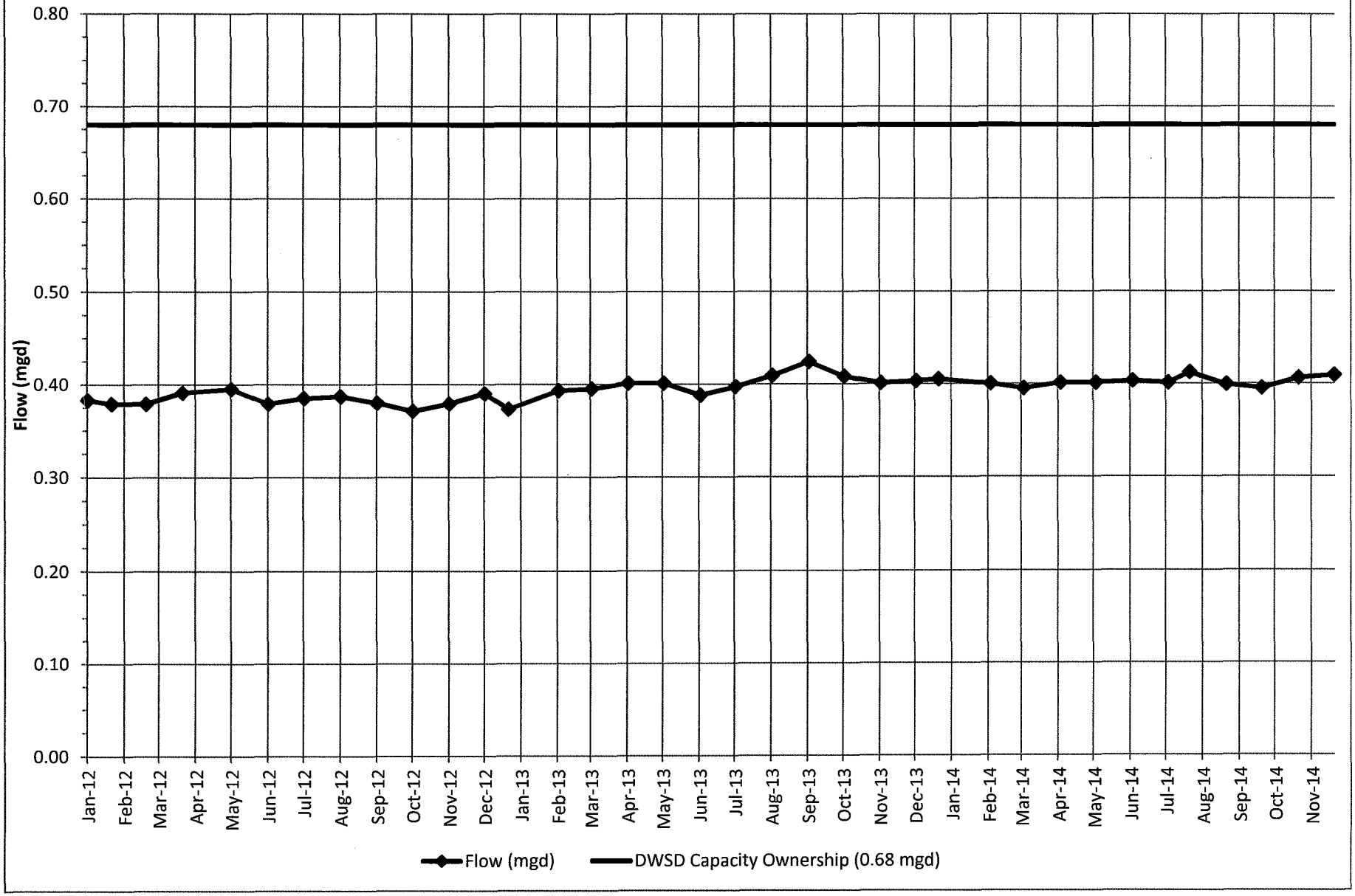
Figure VII-2 is representative of the current loading on the UMCR WWTF by the DWSD, compared to the DWSD ownership of capacity in the UMCR WWTF. This graphic represents current use of 59.4% of the DWSD-owned hydraulic and organic capacity.

UMCR WWTF DMR Monthly Influent Waste Load



Prepared 01/13/15

DWSD Influent Hydraulic Load



Prepared 01/13/15

B. TREATMENT PLANT PERFORMANCE

The UMCR WWTF has consistently performed in a manner to achieve compliance with the discharge permit issued by the Colorado Water Quality Control Division. The District has numerical effluent limits specified by the discharge permit for the following water quality parameters.

- *Escherica* coliform (bacteriological quality parameter)
- Chlorine
- Ammonia nitrogen
- Biochemical oxygen demand (organic waste quality parameter)
- Total inorganic nitrogen
- Total suspended solids
- Oil and grease
- Whole effluent toxicity (aquatic life toxicity indicator parameter)

As stated above, the UMCR WWTF has consistently been in compliance with each of the effluent parameters described above. Although it is expected that a new discharge permit with potentially different effluent parameters will be issued before the end of calendar year 2015, it is reasonably expected that the District can continue to maintain compliance with the discharge permit effluent limits.

As indicated, the District is subject to the terms and conditions of the Colorado general biosolids permit for disposal of biosolids generated by the facility. As exhibited by annual reports prepared and submitted by the UMCR WWTF, there are no major issues concerning the quality of stabilized and dewatered biosolids produced by the facility.

Prior to calendar year 2014, the UMCR WWTF was subject to the general permit issued by the State of Colorado for storm water discharges. During calendar year 2014, the District submitted a, "No Exposure Certification," to the Colorado Water Quality Control Division (WQCD). The UMCR WWTF is now not subject to a storm water discharge permit, the "...Certification" having been accepted by the WQCD.

The UMCR WWTF also operates a water reclamation treatment system at the facility site. This system produces reclaimed water suitable for beneficial use for landscape irrigation. This use has been accomplished since the inception of operation of the facility, providing reclaimed water for irrigation of turf grass and plantings on the Gleneagle Golf Course. This use is regulated under the terms and conditions of a, "Notice of Authorization," issued by the Colorado WQCD under the authority of Water Quality Control Commission Regulation No. 84. The performance of the reclaimed water treatment facilities at the UMCR WWTF has been excellent. All water quality testing has demonstrated compliance with the terms and conditions of the, "Notice of Authorization".

The UMCR WWTF has also been issued a, "Notice of Authorization" for use of reclaimed water at the Creekside Middle School complex located within the institutional boundaries of the Triview Metropolitan District. Although authorized, there has not been any delivery of reclaimed water nor application for landscape irrigation at this site since that Notice of Authorization was issued.

SECTION VIII
FUTURE WASTEWATER MANAGEMENT REQUIREMENTS

The UMCR WWTF is effectively managed by an operations committee established through the Intergovernmental Agreement (IGA), as amended. That IGA defines the responsibilities and authorities of the owners of the facility. Included among those authorities and responsibilities is the submittal to the operations committee on an annual basis of no less than 5-year projections of future treatment plant loading by each of the owners. Table VIII-1 is a representation of the latest projections developed for the prospective 5-year period.

The following are major observations and conclusions related to the planned loadings on the treatment plant within the next 5-year period.

- The DWSD projects loadings from the District's service area to increase a total of 2% in the next five years over that which presently exists.
- Total loading to the treatment facility from each of the owner's service areas tributary to the facility is expected to increase a total of 12% from that which presently exists within the 5-year period.
- The projected 5-year incremental loading will bring total influent hydraulic and organic loading to a level well within the existing capacity and capability of the treatment facility.

Table VIII-2 represents long-term projections of loading to the UMCR WWTF. Pertinent observations and conclusions from this accumulation of data are as follows.

- The DWSD build-out is projected to be an incremental increase of 19.6% from that loading which presently exists, 2,676 single family equivalents (SFEs) existing compared to 3,200 SFEs at projected build-out.
- The total hydraulic loading on the UMCR WWTF is projected to be at a rate equal to 80% of the presently permitted influent maximum flow rate in calendar year 2021. This value represents an incremental added hydraulic contribution to the facility of 0.70 million gallons per day. This is roughly equivalent to a total of 3,500 SFEs. This threshold dictates, by regulation, the point in time when the UMCR WWTF must commence technical, financial and institutional planning to accommodate added loading.

TABLE VIII-1

UPPER MONUMENT CREEK REGIONAL WWTF
PROJECTED LOADING AS OF July 1, 2014

YEAR	Unit Contr. Plan	DONALA W & S DIST			TRIVIEW METRO DIST			FOREST LAKES METRO DIST			TOTAL				
		SFE UNITS	WASTE FLOW	REUSE REQ'D	SFE UNITS	WASTE FLOW	REUSE REQ'D	SFE UNITS	WASTE FLOW	REUSE REQ'D	SFE UNITS	WASTE FLOW	REUSE REQ'D	Organic Load Flow	Organic Load SFEs
4th Qtr 2013 Average		***2,676***	401,000	283,000	***1,420***	280,000	0	***2***	480	0	***4,098***	681,480	283,000	1,663	1,678
2014	1	2,680	536,000	283,000	1,475	354,000	0	2	480	0	4,157	890,480	283,000	2,173	1,702
	2	2,680	428,800	283,000	1,475	295,000	0	2	400	0	4,157	724,200	283,000	1,767	
	3	2,680	482,400	283,000	1,475	324,500	0	2	440	0	4,157	807,340	283,000	1,970	
2015	1	2,683	536,600	283,000	1,510	362,400	0	2	480	0	4,195	899,480	283,000	2,195	1,717
	2	2,683	429,280	283,000	1,510	302,000	0	2	400	0	4,195	731,680	283,000	1,785	
	3	2,683	482,940	283,000	1,510	332,200	0	2	440	0	4,195	815,580	283,000	1,990	
2016	1	2,688	537,600	283,000	1,560	374,400	370,000	2	480	0	4,250	912,480	653,000	2,226	1,740
	2	2,688	430,080	283,000	1,560	312,000	370,000	2	400	0	4,250	742,480	653,000	1,812	
	3	2,688	483,840	283,000	1,560	343,200	370,000	2	440	0	4,250	827,480	653,000	2,019	
2017	1	2,698	539,600	283,000	1,635	392,400	370,000	6	1,440	0	4,339	933,440	653,000	2,278	1,776
	2	2,698	431,680	283,000	1,635	327,000	370,000	6	1,200	0	4,339	759,880	653,000	1,854	
	3	2,698	485,640	283,000	1,635	359,700	370,000	6	1,320	0	4,339	846,660	653,000	2,066	
2018	1	2,713	542,600	283,000	1,735	416,400	370,000	6	1,440	0	4,454	960,440	653,000	2,343	1,823
	2	2,713	434,080	283,000	1,735	347,000	370,000	6	1,200	0	4,454	782,280	653,000	1,909	
	3	2,713	488,340	283,000	1,735	381,700	370,000	6	1,320	0	4,454	871,360	653,000	2,126	
2019	1	2,733	546,600	283,000	1,845	442,800	370,000	20	4,800	0	4,598	994,200	653,000	2,426	1,882
	2	2,733	437,280	283,000	1,845	369,000	370,000	20	4,000	0	4,598	810,280	653,000	1,977	
	3	2,733	491,940	283,000	1,845	405,900	370,000	20	4,400	0	4,598	902,240	653,000	2,201	

NOTES: Waste flow rates are in units of gallons per day, annual average daily flow.
Reuse water required is expressed as an average daily flow during a 180-day irrigation season.

Unit Contr. Plan No. 1
DONALA loading derived from actual taps and projected additions at rate of: 200 GPD/SFE
TRIVIEW loading derived from actual taps and projected additions at rate of: 240 GPD/SFE
FOREST LAKES loading derived from update provided by FLMD at rate of: 240 GPD/SFE

Unit Contr. Plan No. 2
DONALA loading derived from actual taps and projected additions at rate of: 160 GPD/SFE
TRIVIEW loading derived from actual taps and projected additions at rate of: 200 GPD/SFE
FOREST LAKES loading derived from update provided by FLMD at rate of: 200 GPD/SFE

Unit Contr. Plan No. 3
DONALA loading derived from actual taps and projected additions at rate of: 180 GPD/SFE
TRIVIEW loading derived from actual taps and projected additions at rate of: 220 GPD/SFE
FOREST LAKES loading derived from update provided by FLMD at rate of: 220 GPD/SFE

Waste Flow & Reuse Req'd in units of GPD; Organic Load in units of pounds per day.

DONALA "REUSE REQ'D" NUMBER BASED ON ACTUAL GOLF COURSE USAGE IN 1996 SPREAD OVER 270 WATERING DAYS, PLUS GRADUAL INCREASE TOWARD GOLF COURSE TOTAL WATER REQUIREMENT OF APPROXIMATELY 220,000 GPD, PLUS 63,000 GPD FOR COUNTY PARKS WATER SWAP.

CDPS Permit at 03-01-10 provides for maximim 30-day hydraulic load of 1.75 mgd and 3,553 lbs per day (30-day average) organic load (Total BOD_5).
CDPS Permit requires planning and construction based on ***organic loading*** provided hydraulic loading does not result in noncompliance with permit limits.
Flow based organic Load derived from 2.44 lbs BOD_5 per 1000 gals. Headworks loading data from 4th quarter 2011;
Headworks BOD_5 Unit Load = 2.44 lbs per 1000 gals. Permitted Headworks Load = 3553 lbs per day; 95% = 3375 lbs per day.
SFE based organic load derived from 2.44 lbs BOD per 1000 gals with 2011 year end SFEs and Dec. 2011 average daily flow.
Headworks BOD_5 Unit Load = 0.409 lbs per SFE connected

- The data in Table VIII-2 indicates that the hydraulic loading on the facility will be at 95% of the presently permitted maximum 30-day influent flow rate in calendar year 2028. This date triggers, by regulation, the time when physical implementation of treatment plant improvements must be commenced in order to receive additional loading.

TABLE VIII-2
UPPER MONUMENT CREEK REGIONAL WASTEWATER TREATMENT FACILITY
PROJECTED WASTEWATER FLOWS
AS OF 07-01-12

	DONALA						TRIVIEW						FOREST LAKES						TOTAL										
	Low or ACTUAL		Median		High		Low or ACTUAL		Median		High		Low or ACTUAL		Median		High		Low or ACTUAL		Median		High		DESIGN CAPACITY	DESIGN CAPACITY	DESIGN CAPACITY	DESIGN CAPACITY	Plan 3	Max 30 Day Average
YEAR	SFE	FLOW	SFE	FLOW	SFE	FLOW	SFE	FLOW	SFE	FLOW	SFE	FLOW	SFE	FLOW	SFE	FLOW	SFE	FLOW	SFE	FLOW	SFE	FLOW	SFE	FLOW	(MGD)	(MGD)	(MGD)	(MGD)		
1996			1,146	206,280					0	0					0	0			0	-	1,146	206,280	-	-	1,750,000	1,662,500	2,500,000	2,375,000	180	
1997			1,250	225,000					0	0					0	0			0	-	1,250	225,000	-	-	1,750,000	1,662,500	2,500,000	2,375,000	180	
1998			1,412	254,160					0	0					0	0			0	-	1,412	254,160	-	-	1,750,000	1,662,500	2,500,000	2,375,000	180	
1999			1,582	284,760					125	27,500					0	0			0	-	1,707	312,260	-	-	1,750,000	1,662,500	2,500,000	2,375,000	183	
2000			1,731	311,580					264	58,080					0	0			0	-	1,995	369,660	-	-	1,750,000	1,662,500	2,500,000	2,375,000	185	
2001			2,160	388,800					520	114,400					0	0			0	-	2,680	503,200	-	-	1,750,000	1,662,500	2,500,000	2,375,000	188	
2002			2,217	399,060					648	142,560					0	0			0	-	2,865	541,620	-	-	1,750,000	1,662,500	2,500,000	2,375,000	189	
2003			2,310	415,800					830	182,600					0	0			0	-	3,140	598,400	-	-	1,750,000	1,662,500	2,500,000	2,375,000	191	
2004			2,410	433,800					890	195,800					0	0			0	-	3,300	629,600	-	-	1,750,000	1,662,500	2,500,000	2,375,000	191	
2005			2,450	441,000					950	209,000					0	0			0	-	3,400	650,000	-	-	1,750,000	1,662,500	2,500,000	2,375,000	191	
2006			2,475	445,500					1,037	228,140					0	0			0	-	3,512	673,640	-	-	1,750,000	1,662,500	2,500,000	2,375,000	192	
2007			2,500	450,000					1,100	242,000					0	0			0	-	3,600	692,000	-	-	1,750,000	1,662,500	2,500,000	2,375,000	192	
2008			2,575	463,500					1,115	245,300					0	0			0	-	3,690	708,800	-	-	1,750,000	1,662,500	2,500,000	2,375,000	192	
2009			2,600	468,000					1,150	253,000					0	0			0	-	3,750	721,000	-	-	1,750,000	1,662,500	2,500,000	2,375,000	192	
2010			2,720	489,600					1,170	257,400					2	440			0	-	3,892	747,440	-	-	1,750,000	1,662,500	2,500,000	2,375,000	192	
2011			2,720	489,600				**249,000**	1,170	257,400				**0**	2	440			0	249,000	3,892	747,440	-	-	1,750,000	1,662,500	2,500,000	2,375,000	192	64
2012	2,668	480,240	2,760	496,800	2,770	498,600	1,260	277,200	1,300	286,000	1,520	334,400	2	440	2	440	17	3,740	3,930	757,880	4,062	783,240	4,307	836,740	1,750,000	1,662,500	2,500,000	2,375,000	193	
2013	2,672	480,960	2,770	498,600	3,020	543,600	1,505	331,100	1,545	339,900	1,870	411,400	2	440	2	440	117	25,740	4,179	812,500	4,317	838,940	5,007	980,740	1,750,000	1,662,500	2,500,000	2,375,000	194	
2014	2,676	481,680	3,080	554,400	3,070	552,600	1,770	389,400	1,810	398,200	2,170	477,400	3	660	6	1,320	217	47,740	4,449	871,740	4,896	953,920	5,457	1,077,740	1,750,000	1,662,500	2,500,000	2,375,000	195	
2015	3,040	547,200	3,100	558,000	3,120	561,600	2,045	449,900	2,085	458,700	2,470	543,400	13	2,860	20	4,400	317	69,740	5,098	999,960	5,205	1,021,100	5,907	1,174,740	1,750,000	1,662,500	2,500,000	2,375,000	196	
2016	3,060	550,800	3,120	561,600	3,170	570,600	2,350	517,000	2,390	525,800	2,770	609,400	33	7,260	60	13,200	417	91,740	5,443	1,075,060	5,570	1,100,600	6,357	1,271,740	1,750,000	1,662,500	2,500,000	2,375,000	198	
2017	3,080	554,400	3,140	565,200	3,220	579,600	2,670	587,400	2,710	596,200	3,020	664,400	73	16,060	100	22,000	517	113,740	5,823	1,157,860	5,950	1,183,400	6,757	1,357,740	1,750,000	1,662,500	2,500,000	2,375,000	199	
2018	3,080	554,400	3,140	565,200	3,270	588,600	2,870	631,400	2,910	640,200	3,245	713,900	113	24,860	150	33,000	617	135,740	6,063	1,210,660	6,200	1,238,400	7,132	1,438,240	1,750,000	1,662,500	2,500,000	2,375,000	200	
2019	3,080	554,400	3,140	565,200	3,295	593,100	3,070	675,400	3,110	684,200	3,470	763,400	153	33,660	200	44,000	697	153,340	6,303	1,263,460	6,450	1,293,400	7,462	1,509,840	1,750,000	1,662,500	2,500,000	2,375,000	201	
2020	3,080	554,400	3,140	565,200	3,295	593,100	3,245	713,900	3,285	722,700	3,670	807,400	198	43,560	250	55,000	757	166,540	6,523	1,311,860	6,675	1,342,900	7,722	1,567,040	1,750,000	1,662,500	2,500,000	2,375,000	201	
2021	3,080	554,400	3,140	565,200	3,295	593,100	3,420	752,400	3,460	761,200	3,845	845,900	238	52,360	300	66,000	797	175,340	6,738	1,359,160	6,900	1,392,400	7,937	1,614,340	1,750,000	1,662,500	2,500,000	2,375,000	202	
2022	3,080	554,400	3,140	565,200	3,295	593,100	3,570	785,400	3,610	794,200	3,995	878,900	278	61,160	350	77,000	817	179,740	6,928	1,400,960	7,100	1,436,400	8,107	1,651,740	1,750,000	1,662,500	2,500,000	2,375,000	202	
2023	3,080	554,400	3,140	565,200	3,295	593,100	3,720	818,400	3,760	827,200	4,145	911,900	318	69,960	400	88,000	837	184,140	7,118	1,442,760	7,300	1,480,400	8,277	1,689,140	1,750,000	1,662,500	2,500,000	2,375,000	203	
2024	3,080	554,400	3,140	565,200	3,295	593,100	3,725	819,500	3,885	854,700	4,295	944,900	358	78,760	450	99,000	872	191,840	7,163	1,452,660	7,475	1,518,900	8,462	1,729,840	1,750,000	1,662,500	2,500,000	2,375,000	203	
2025	3,080	554,400	3,140	565,200	3,295	593,100	3,730	820,600	4,010	882,200	4,420	972,400	398	87,560	500	110,000	922	202,840	7,208	1,462,560	7,650	1,557,400	8,637	1,768,340	1,750,000	1,662,500	2,500,000	2,375,000	204	
2026	3,080	554,400	3,140	565,200	3,295	593,100	3,735	821,700	4,110	904,200	4,545	999,900	438	96,360	550	121,000	972	213,840	7,253	1,472,460	7,800	1,590,400	8,812	1,806,840	1,750,000	1,662,500	2,500,000	2,375,000	204	
2027	3,140	565,200	3,200	576,000	3,295	593,100	3,740	822,800	4,210	926,200	4,645	1,021,900	483	106,260	600	132,000	1,022	224,840	7,363	1,494,260	8,010	1,634,200	8,962	1,839,840	1,750,000	1,662,500	2,500,000	2,375,000	204	
2028	3,140	565,200	3,200	576,000	3,295	593,100	3,745	823,900	4,285	942,700	4,745	1,043,900	508	111,760	640	140,800	1,072	235,840	7,393	1,500,860	8,125	1,659,500	9,112	1,872,840	1,750,000	1,662,500	2,500,000	2,375,000	204	
2029	3,140	565,200	3,200	576,000	3,295	593,100	3,750	825,000	4,360	959,200	4,845	1,065,900	528	116,160	680	149,600	1,122	246,840	7,418	1,506,360	8,240	1,684,800	9,262	1,905,840	1,750,000	1,662,500	2,500,000	2,375,000	204	
2030	3,140	565,200	3,200	576,000	3,295	593,100	3,755	826,100	4,410	970,200	4,945	1,087,900	548	120,560	720	158,400	1,162	255,640	7,443	1,511,860	8,330	1,704,600	9,402	1,936,640	1,750,000	1,662,500	2,500,000	2,375,000	205	
2035	3,140	565,200	3,200	576,000	3,295	593,100	3,760	827,200	4,460	981,200	5,020	1,104,400	568	124,960	760	167,200	1,182	260,040	7,468	1,517,360	8,420	1,724,400	9,497	1,957,540	1,750,000	1,662,500	2,500,000	2,375,000	205	
2040	3,140	565,200	3,200	576,000	3,295	593,100	3,765	828,300	4,510	992,200	5,095	1,120,900	583	128,260	800	176,000	1,182	260,040	7,488	1,521,760	8,510	1,744,200	9,572	1,974,040	1,750,000	1,662,500	2,500,000	2,375,000	205	
2045	3,140	565,200	3,200	576,000	3,295	593,100	3,770	829,400	4,560	1,003,200	5,170	1,137,400	598	131,560	840	184,800	1,182	260,040	7,508	1,526,160	8,600	1,764,000	9,647	1,990,540	1,750,000	1,662,500	2,500,000	2,375,000	205	
2050	3,140	565,200	3,200	576,000	3,295	593,100	3,775	830,500	4,610	1,014,200	5,245	1,153,900	608	133,760	860	189,200	1,182	260,040	7,523	1,529,460	8,670	1,779,400	9,722	2,007,040	1,750,000	1,662,500	2,500,000	2,375,000	205	
2051	3,140	565,200	3,200	576,000	3,295	593,100	3,780	831,600	4,660	1,025,200	5,320	1,170,400	618	135,960	860	189,200	1,182	260,040	7,538	1,532,760	8,720	1,790,400	9,797	2,023,540	1,750,000	1,662,500	2,500,000	2,375,000	205	
2052	3,140	565,200	3,200	576,000	3,295	593,100	3,785	832,700	4,710	1,036,200	5,375	1,182,500	623	137,060	860	189,200	1,182	260,040	7,548	1,534,960	8,770	1,801,400	9,852	2,035,640	1,750,000	1,662,500	2,500,000	2,375,000	205	
2053	3,140	565,200	3,200	576,000	3,295	593,100	3,790	833,800	4,760	1,047,200	5,430	1,194,600	628	138,160	860	189,200	1,182	260,040	7,558	1,537,160	8,820	1,812,400	9,907	2,047,740	1,750,000	1,662,500	2,500,000	2,375,000	205	
2054	3,140	565,200	3,200	576,000	3,295	593,100	3,795	834,900	4,810	1,058,200	5,480	1,205,600	630	138,600	860	189,200	1,182	260,040	7,565	1,538,700	8,870	1,823,400	9,957	2,058,740	1,750,000	1,662,500	2,500,000	2,375,000	206	
2055	3,140	565,200	3,200	576,000	3,295	593,100	3,800	836,000	4,860	1,069,200	5,530	1,216,600	632	139,040	860	189,200	1,182	260,040	7,572	1,540,240	8,920	1,834,400	10,007	2,069,740	1,750,000	1,662,500	2,500,000	2,375,000	206	
BO			3,200	576,000					6,200	1,364,000					860	189,200					10,260	2,129,200								

Note: Flow is in units of gallons per day (GPD)

SFE = Single Family Equivalents; BO = Buildout of Owners' Service Areas

Flow computation based on following: *=UNIT CONTRIBUTION PLAN NO. 3*

Donala	180	GPD per SFE
Triview	220	GPD per SFE
Forest Lakes	220	GPD per SFE

Flow shown for calendar year preceeding date of Table under "Low or ACTUAL" column is maximum 30 day average flow during 4th quarter of calendar year for individual contributor, NOT plant total.

SECTION IX
UMCR WWTF WASTEWATER TREATMENT FACILITY COMPONENTS

The master plan for the UMCR WWTF contemplates three-phases of development. Phase 1 and Phase 2 have been completed. Phase 2 of the UMCR WWTF development commenced operation in January 2010, providing wastewater treatment capacity for a maximum 30-day average hydraulic throughput of 1.75 million gallons per day (mgd).

The following information provides background on the existing UMCR WWTF facilities, treatment unit, equipment and process capabilities. This also addresses provisions for increasing the capabilities and capacity of the UMCR WWTF to accommodate service area build out.

A. INFLUENT/INTERCEPTOR SEWER SYSTEM

The existing interceptor sewer system is designed for ultimate build-out of the upstream service area for all three owners of the UMCR WWTF. The existing pipeline downstream from the "confluence" of the Donala Water and Sanitation District (DWSD) and Triview Metropolitan District (TMD) is understood to have adequate hydraulic capacity without unacceptable surcharge for currently projected ultimate waste generation in the service area. The Forest Lakes Metropolitan District will contribute all wastewater from that portion of the District west of Monument Creek through a force main and pump station. It may become necessary in the future that the peak flows from that pump station be managed in order to avoid excessive peak flows in the influent interceptor sewer; however, at this time that is not understood to be an issue. All portions of the Forest Lakes Metropolitan District east of Monument Creek will connect to the interceptor sewer of the TMD by gravity flow arrangements.

Table IX-1 represents the "normal depth/flow" hydraulic conditions in each of the interceptor pipeline segments. As is shown in the notes appurtenant to this table, the pipeline capacity has been annotated on the basis of commonly accepted hydraulic flow relationships and maximum depth of flow in the pipe equal to 75% of the pipe diameter. These capacities are

"normal flow" conditions, not affected by backwater or surcharge conditions, and assuming the energy grade line is parallel to the pipe surface.

TABLE IX-1

INFLUENT/INTERCEPTOR SEWER CAPACITY

Pipe Segment Station Downstream to Upstream	Pipe Dia., Inches	Segment Length, ft.	Pipe Material	Pipe Slope, %	Pipe Capacity @ y/D = 0.75, mgd	Service Area PHF, mgd	Excess or <Deficient> Capacity, mgd
Pump Sta. to MH 0+00	24	18.8	DIP	0.3	7.30	6.455	0.84
0+00 to 0+69.66	24	69.66	PVC	4.88	29.43	6.455	22.98
0+69.66 to 2+01.26 (sampling at MH on WWTF)	24	131.6	PVC	7.94	37.54	6.455	31.09
2+01.26 to 5+06.26 (west side of RR)	24	305.0	PVC	1.36	15.54	6.455	9.08
5+06.26 to 5+56.6	24	50.34	PVC	1.25	14.90	6.455	8.44
5+56.66 to 6+65 (w/STL pipe casing)	24	108.4	PVC	1.37	15.60	6.455	9.14
6+65 to 7+72.16 (east side of RR)	24	107.16	PVC	1.02	13.46	6.455	7.00

NOTES:
1. Pipe data from RBD, Inc., As-Constructed Drawings, dated April 12, 1995.
2. Stations and pipe segment lengths generally reflect centerline to centerline of manholes.
3. Service area peak hour flow (PHF) is based on Unit Flow Contribution Plan No. 1, build-out at 11,240 SFEs, and a peak hour to average day ratio of 2.50.

B. INFLUENT PUMP STATION

The UMCR WWTF facilities include an influent pump station utilizing a dry pit arrangement with multiple pumps controlled by variable frequency drives (VFDs). The original wet well was modified to serve as the suction vessel for the pumping equipment installed in 2009 - 2010.

A factory fabricated dry pit pump station provides influent wastewater pumping capability for all wastewater draining to the UMCR WWTF. The motor control center is located in the adjacent reclaimed water treatment plant building. The power supply is integral to the onsite power distribution system including the onsite standby power generation source.

Three centrifugal vertical shaft raw wastewater pumps are installed in the pump station. Two pumps are sized to accommodate peak flows at the Phase 2 treatment plant throughput capacity. The third pump is used for alternating service and standby should one

pump be required to be out of service. A "blank space" is provided in the pump station to accommodate installation of a fourth pump for Phase 3 and/or build-out conditions. This gives a significant amount of flexibility to provide for operation of three pumps to accommodate ultimate build-out average day flow (ADF) exceeding two (2) mgd and peak hour flow (PHF) of approximately 4.0 to 5.0 mgd.

TABLE IX-2

INFLUENT PUMP STATION

Equipment	Capacity	Notes
Pump No. 1	750 gpm (1)	VFD control
Pump No. 2	1,500 gpm	Same as Pump No. 1
Pump No. 3	1,500 gpm	Same as Pump No. 1
Pump No. 4	1,500 gpm	Future; blank space for Phase 3
Flowmeter	0 – 4,000 gpm	Magnetic flowmeter

(1) Pump No. 1 sized to convey minimum flow of 200 gpm under VFD control at minimum practical current frequency; pump and motor is sized to accommodate a revised impeller as flow conditions change with time.

C. PRELIMINARY TREATMENT

It has been the consensus expressed by the operations staff of the UMCR WWTF that the original rotary fine screening equipment has operated satisfactorily and provides for a reasonable level of waste removal and protection of downstream facilities. It not only serves as a screening device, but also serves for grit removal as well. Since initiation of operation in 1995, the operation and maintenance requirements on this equipment have not proved to be inordinate. The treatment plant has been well served by one screening device through the first ten years of operation. The same fine screening equipment was installed in the Phase 2 expansion of the UMCR WWTF.

The preliminary treatment system is constructed as an integral part of the flow equalization facilities at the UMCR WWTF. The screenings and other preliminary treatment facilities are constructed on an upper deck over the flow equalization basin/facility. This provides for loading docks and ramps for handling of screenings and screenings haul containers adjacent to the equalization basin structure.

A superstructure is constructed above a portion of the equalization basin to accommodate the screening and other preliminary treatment operations in an enclosed, ventilated and temperature-conditioned area.

Space is provided in the preliminary treatment building for three fine screens, each screen equipped with a screenings compactor and, with the influent head box of each screen discharging to an overflow bypass channel. Each screen discharges screened raw wastewater to a common pipeline/channel directed to the equalization basin. Phase 2 work provided for the relocation of the original screen and installation of one new screen. The third screen will be added at the time of Phase 3 construction.

The facility is equipped with air handling and conditioning equipment in order to maintain a positive pressure inside the structure to both mitigate odor and the accumulation of toxic and/or explosive vapors should they occur in the influent waste stream. Monitoring of the interior atmospheric conditions is a function of the UMCR WWTF systems control and data acquisition (SCADA) system.

D. FLOW EQUALIZATION FACILITIES

The UMCR WWTF experiences extraordinary diurnal flow variations. An analysis of hourly flow rates found that for complete flow equalization, i.e., sidestream storage required to provide uniform throughput, approximately 17% of the total daily volume is required to be available. For the permitted throughput, 1.75 mgd, a minimum equalization volume of 297,500 gallons is required. At total service area build-out a total equalization volume based on this same criteria will be 440,000 gallons or less.

An average water surface variation in the equalization facility of approximately 7 feet can be attained. For existing permitted flow volume, an equalization basin of 50 feet wide and 115 feet long, separated into two cells is provided. The facility contains mechanical mixers and a minimal amount of aeration capability. Addition of a third cell will accommodate build-out of the service area in the future.

E. SECONDARY TREATMENT WITH BIOLOGICAL NITROGEN REMOVAL (BNR)

During the Phase 2 planning and design process the UMCR WWTF Operations Committee considered alternative approaches to achieving the necessary wastewater treatment on the existing property. Because the site is limited to improvements within the existing fenced area, possibilities are somewhat limited.

A sequencing batch reactor (SBR) activated sludge system was constructed with a permitted capacity of 1.75 mgd and 3,553 pounds per day of five-day biochemical oxygen demand (BOD_5). Table IX-3 shows the major design and construction features of the SBR system.

TABLE IX-3
SEQUENCING BATCH REACTOR (SBR) DESIGN PARAMETERS

Parameter/Feature	Value
Basin plan/size	110' x 110' inside 3 basins at 110' x 34'
Maximum operating water depth	22 ft.
Total basin volume	1,820,000 gal.
Cycle sequences at design flow	Fill = 2.0 hours React = 2.6 hours Settle = 0.75 hours Decant = 0.60 hours Idle = 0.05 hours
Total Normal Cycle	6 hours

Major construction features of the SBR basins which support an extended aeration process of activated sludge include the following:

- Reinforced concrete tankage total sidewall height of approximately 26 feet
- One decanter in each basin, approximately 24 feet in length
- Jet-aeration system by US Filter-Jet Tech®
- One motive pump per basin; 40 Hp; 4,760 gpm
- One blower per basin; 100 Hp; 1,638 ICFM average air flow required

Waste sludge (WAS) from the SBR activated sludge process is directed to the original secondary treatment unit (STU) with WAS pumping equipment located in a pump gallery constructed adjacent to the SBR basins. The existing STU aeration basins are utilized to stabilize (aerobic digestion) the WAS with the existing STU aerobic digester being utilized for a minor amount of gravity thickening prior to conveyance to the sludge dewatering processes.

F. DISINFECTION

1. Treated Wastewater Disinfection

The Phase 2 expansion of the UMCR WWTF developed an ultraviolet (UV) radiation system for disinfection of treated wastewater. Because of the nature of the SBR operation, the release or decant rate from the treatment process is significantly greater than the inflow rate. Downstream processes and facilities are designed and constructed to function properly under this periodic, high flow rate. Facilities must be either designed to accommodate the actual flow rate or an intermediate flow equalization facility must be provided. UV disinfection equipment currently used in wastewater treatment is not well suited to on-off operation. More efficient and cost-effective operation is realized if the lamps are permitted to function continuously at a relatively constant intensity. Accordingly, flow equalization of SBR decanter discharges is provided in reinforced concrete tankage at the UMCR WWTF.

Based on the design and operation of the US Filter-Jet Tech® SBR for 1.75 mgd average daily flow with upstream flow equalization, the decant or SBR discharge rate is approximately 4,051 gpm, approximately 3.33 times the nominal average daily design throughput rate. The decant period from each basin is only 36 minutes out of each 6-hour cycle. Based on three basins operating on a 6-hour cycle with 36 minute decant periods, it is calculated that a relatively continuous flow rate is attained with approximately 102,100 gallons of equalizing storage.

UV contact times and intensity are designed for a rate approximately 15 to 20 percent in excess of uniform daily design flow and allowance made to meet permit limits with one unit out of service for maintenance.

This UV flow equalization process is located downstream of the SBR basins. The hydraulic grade lines (HGL)/elevations in the UV equalization facility is arranged such that the maximum HGL is as close to the minimum SBR basin water surface elevation as possible.

The UMCR WWTF Phase 2 project provided for installation of open channel UV disinfection facilities. The treated wastewater is conveyed by gravity from the disinfection equalization basin through a modulating plug valve. That valve provides for a relatively constant rate of flow through the UV lamp bank assemblies in either of the two parallel disinfection channels. No less than 50 percent redundancy in disinfection capacity is provided in this process.

To accommodate an increase in hydraulic throughput capacity, additional lamp modules can be installed in the existing disinfection channels.

2. Other Disinfection Requirements

Other disinfection application points include reuse (reclaimed wastewater) water and the activated sludge in the SBR treatment process. Disinfection of activated sludge has historically proven to be useful in controlling undesirable organisms. Although the SBR treatment process does not utilize a conventional return activated sludge sequence where disinfection is normally practiced, the mixing aspect of SBR operation would accommodate such application of a disinfectant. The SBR process will accommodate application of disinfectant in the motive pump discharge piping.

The flow rates used to supply and control disinfection of reclaimed water and activated sludge are given in Table IX-4.

TABLE IX-4

DESIGN FLOW RATES FOR PROCESS DISINFECTION

Flow Rate	gpm [1]	mgd [2]
Initial maximum discharge from reuse filters	400	0.58
Maximum design discharge from reuse filters	1,200	1.73
Initial activated sludge flow	40	0.06
Maximum activated sludge flow	97	0.14

1) gpm = gallons per minute
2) mgd = million gallons per day

The initial maximum discharge from the reclaimed water treatment plant (reuse filters) is established at 400 gallons per minute, generally considered to be the nominal maximum throughput capability of the existing facility. The maximum design discharge contemplates the addition of filters and filtration capability in the existing facility in the future. Production of reclaimed wastewater for landscape irrigation is presently governed by customer demand. Currently, production of reclaimed water and diversion to an application site will occur only during an approximate six-month irrigation period of mid-April or May through October. However, off-site storage may become available to allow year-round production of reclaimed wastewater.

Occasional chlorination of activated sludge is provided to help reduce filamentous and other undesirable bacteria growth. The activated sludge flow rate to be disinfected is estimated at 4% of the maximum SBR decant rate.

Water quality parameters currently applicable to operation of the UMCR WWTF are provided in Table IX-5.

TABLE IX-5

EFFLUENT DISCHARGE LIMITS

From Draft Renewal Permit March 1, 2015

Discharge	Effluent Parameter	30-Day Average	7-Day Average	Daily Maximum
To creek	*Eschericia* coliform org.	163 org./100 ml	326 org./100 ml	-
To creek	Total suspended solids	30 mg/l	45 mg/l	-
To creek	BOD_5	30 mg/l	45 mg/	-
To creek	Chlorine residual	0.012 mg/l	-	0.019 mg/l
To creek	Ammonia Nitrogen	varies monthly 3.6 to 6.4 mg/l	varies monthly 8.0 to 26 mg/l	-
To reuse	E. coli org.	126 org./100 ml	-	235 org./100 ml
To reuse	Turbidity	3 NTU	-	5 NTU (95%)

There are effluent limits either existing or pending for total inorganic nitrogen (13 mg/l daily maximum), copper, zinc, arsenic, iron, manganese, nickel and mercury. In addition, the UMCR WWTF will need to be prepared to address new effluent limits for nitrogen and phosphorus following the expiration of the current permit in 2020.

Discharge limits for reuse require disinfection with the ability to maintain a disinfectant residual to meet the bacteriological limit, and use of the existing reuse filters to meet the turbidity limit. At the present time, the Notice of Authorization (NOA) issued for the use of reclaimed wastewater at the UMCR WWTF specifies the point of compliance at the discharge from the reclaimed water treatment plant. Therefore, there is not a significant issue regarding maintenance of a long-term disinfectant residual. For purposes of this evaluation, this point of compliance is presumed to remain during the life of the facility.

G. BIOSOLIDS STABILIZATION

Aerobic digestion is practiced with waste solids pumped from the SBR basins. The characteristics of the aerobic digesters in the treatment system are given in Table IX-6.

TABLE IX-6

AEROBIC DIGESTER CHARACTERISTICS

Parameter/Feature	Value
Structure outside diameter	100 ft.
Aeration basin total volume	579,000 gal.
Aeration basin operating depth	16 ft.
Aerobic digester volume	104,490 gal.
Disinfection contact basin volume	39,000 gal.
Clarifier sidewater depth	13 ft.
Total clarifier volume	125,000 gal.
Clarifier surface area	1,256 sq. ft.
Centrifugal blowers	2 @ 100 hp; 1 @ 75 hp
Positive displacement blower	1 @ 670 scfm; 25 hp

Air supply to the aerobic digesters is supplied from the original plant compressed air system.

Based on the data accumulated regarding operation of the existing aerobic digester, operations do not demonstrate that the vector attraction reduction criteria for Class B biosolids is attained by volatile solids reduction across the digester. This is largely due to the significant level of oxidation occurring in the SBRs. There is not a significant amount of oxidizeable volatile solids remaining for a typical aerobic digester operation. The solids however are suitable for withdrawal, conditioning and dewatering with a belt filter press and disposal for beneficial use based on specific oxygen uptake rate analysis (SOUR).

Depending on specific loading, one, two or three (existing aerobic digester) aeration basins will be utilized for aerobic stabilization of waste biosolids. In addition, the existing clarifier is utilized for gravity thickening. Although aerobically digested solids typically do not settle well, the addition of a settling aid for improvement in solids concentration can occur. If the solids concentration is improved, downstream benefits in the biosolids dewatering process are realized.

Based on process design work accomplished, it appears as if the existing STU utilizing all three aeration basins will provide a reasonable level of biosolids stabilization capability for build-out of the UMCR WWTF. Air supply can be adjusted to the existing STU to optimize air delivery and economies of operation.

H. BIOSOLIDS DEWATERING

Biosolids dewatering is accomplished utilizing the belt filter presses with stabilized biosolids conditioning with select polymer compounds. In order to accommodate loading expected through the design period applicable to Phase 2 expansion, a building expansion and an additional filter press was commissioned in 2010. This operation provides redundancy, reliability and flexibility in biosolids handling. The biosolids dewatering facilities were constructed within the scope of the Phase 2 expansion with each of two belt filter presses having a capacity of 1,500 pounds per hour.

Access for transport of dewatered biosolids to disposal was facilitated with the 2009 – 2010 UMCR WWTF improvements. Accommodations were made to maximize the economics of biosolids transport by constructing facilities to accommodate over-the-road end dump semi-trailers.

Polymer conditioning was added in the Phase 2 expansion process, the same as was originally constructed. The "day tank" was duplicated appurtenant to the new sludge press. Supplemental polymer feed equipment was provided and will be managed from a central location, with new feed equipment only being provided as "spare parts".

Filtrate return pumping equipment was added in the Phase 2 expansion. This capability should be sufficient to support bioslids handling and dewatering through the Phase 3 expansion for service area build-out.

I. RECLAIMED WASTEWATER PRODUCTION

Preparation of reclaimed wastewater is accomplished using continuous backwashed filters first constructed when the plant commenced operation in 1995. That capability was expanded with the Phase 1 work.

The existing Dynasand® filters were converted for use in filtration of treated wastewater effluent for reclaimed water production. Use of the filters in this fashion eliminates the need for expansion of the existing water filtration plant to match the design throughput of the Phase 2 expansion for the UMCR WWTF. Of course, this presumes that there will be those opportunities when total plant flow can be reclaimed and sent to a customer, rather than direct discharge to the creek. Due to augmentation plan constraints, it is recognized that this will not occur on a continual basis. However, there will be those periods when several days each month total wastewater throughput in the waste treatment system can be returned to the reclaimed water system.

Table IX-7 represents the available filtration capacity.

TABLE IX-7

RECLAIMED WASTEWATER FILTRATION CAPABILITY

Filter Unit	Number of Filter Units	Optimum Throughput Capacity, gpm	Notes
General Filter mixed media	1	325 gpm	385 gpm possible
Parkson Dynasand filters	3	600 gpm	Peak flow to 1,200 gpm

J. ADMINISTRATIVE AND MAINTENANCE FACILITIES/ACCOMMODATIONS

The UMCR WWTF operations staff conducts all operations activities from the building space located on the treatment plant site. That facility includes the following spaces and functions.

- Operator computer work stations for monitoring and record keeping
- Operations files and report production facilities (also accomplished at DWSD Administration Office)
- Toilet room, shower and personal effects storage for men and women
- Laboratory space for onsite analytical work and limited bench scale testing and process control
- Conference room and employee work area

- Short-term accommodations for employee presence/extended stay required by weather conditions or treatment plant operations; normal staffing does not include overnight onsite presence
- Expendable supplies storage and inventory
- Small tools and equipment storage and maintenance facility
- Onsite operator transport equipment (electric vehicle)
- Operations manual and library storage and work space

To date, this space has proved to be reasonably satisfactory for all operations necessary at the treatment facility. In the event it is deemed appropriate to expand the analytical capability of the treatment plant laboratory, it may be necessary to further expand this building. There is limited space available to add a few hundred square feet at the existing operating floor elevation. The probability exists that the facility could be expanded to an upper level with several hundred square feet of suitable work space.

K. MISCELLANEOUS FACILITIES

1. Yard Piping and Utilities

The UMCR WWTF has been developed with yard piping and onsite utilities considered for build-out of the service area of the plant. Yard piping necessary to accommodate future expansion of treatment processes has been stubbed or relatively convenient extensions made available. Sizing of major yard piping components has considered future expansion.

The facility utilizes fuel gas for space heating in several locations, both the Operations Building and process enclosures. That fuel gas is in the form of propane delivered by truck to the site. There is not a central natural gas transmission or distribution system available in the vicinity of the plant. In 2007, the facility inquired of the area supplier, Black Hills Energy, as to the capability to supply the facility with natural fuel gas. Black Hills Energy indicated that their transmission and distribution system in northern El Paso County did not have the capability to provide sufficient supply to the facility at that time. The UMCR WWTF maintains on-going interest and communication in the event that condition may change.

2. Electric Power/Energy Supply

Mountain View Electric Association (MVEA) is the electric utility in the service area of the treatment facility. It has been the electric power supply to the facility since original construction and commissioning for operation. Based on analysis of current energy supply capability and future needs, it appears as if the MVEA transmission and distribution system has sufficient capability to supply necessary electric power to the facility for the projected build-out.

In order to best assure continuous operation of electrically powered motors on the site, the UMCR WWTF has made significant investment in onsite power generation equipment. The treatment plant was originally equipped with a large diesel engine powered onsite generator and the Phase 2 improvements at the treatment facility added two additional generators.

In addition to having onsite power generation there is limited capability with diesel engine powered pumping equipment to operate certain pump processes without electrically powered equipment, even though utility power or onsite generated power may be available, it is of no value if motors or pumps are inoperable because of damage or other conditions affecting function other than the lack of electric power supply. The DWSD has purchased a diesel engine powered mobile pump which can be quickly connected to the influent pump station wet well and replace the function of the influent pump station.

3. Communications

Ordinary, plain old telephone system (POTS line) is utilized at the UMCR WWTF for ordinary outside communications. Onsite communication among personnel as well as off-site communication is also enhanced by commercial cellular telephone service.

Communications among treatment processes, monitoring and control is accomplished with an onsite SCADA system utilizing hard-wired and fiber optic communication

pathways. At the present time wireless SCADA components are not utilized in the treatment facility.

4. Access Road

There are constraints in vehicular and personnel access to the UMCR WWTF that have been reasonably addressed in the on-going operation and maintenance of the facility. In 2006, a new surface railroad crossing was permitted and constructed to permit immediate access to the treatment facility without conflict with the flood conditions within Jackson Creek adjacent to the plant. At the time of original construction, the only vehicle access to the facility was through a railroad trestle with the driving surface only approximately 2-feet above the normal flow line of Jackson Creek. Jackson Creek has several square miles of tributary drainage area upstream and is subject to annual flooding of various degrees of severity.

The designated private access road utilized for vehicle and personal access to the WWTF also utilizes an existing bridge over Jackson Creek. That bridge was constructed approximately 70 – 80 years ago and had limited load carrying capability. At the present time it is generally considered a one-lane bridge as it is only utilized by vehicular traffic accessing the UMCR WWTF. During the Phase 2 Improvement project to the facility this bridge was reinforced and its load carrying capability increased to reasonably current vehicle weight/load requirements. Other than extreme flooding which could inundate the roadway adjacent to this bridge, it is not considered a severe constraint to the proper operation and maintenance of the UMCR WWTF. Upstream storm water management with detention facilities should further mitigate any adverse impact of extreme precipitation events on access to the UMCR WWTF.

5. Potable Water Supply/Source

At the time of original treatment plant construction, an onsite ground water well was utilized with onsite potable water treatment. In the last 10 years, the Forest Lakes Metropolitan District (FLMD) has extended a water main to the treatment plant site in accordance with the IGAs between the owners. The FLMD presently provides potable

water to the treatment facility and provides limited fire protection through municipal-style fire hydrants with this 8-inch diameter main connection.

This water supply is considered to be sufficient to serve the UMCR WWTF through build-out of the service area.

APPENDIX A – SUMMARY OF WATER RIGHTS: February 7, 2014

Petrock & Fendel, P.C.
Attorneys
James J. Petrock
Frederick A. Fendel, III
Matthew S. Poznanovic
Bradford R. Benning
Kara N. Godbehere
Gary J. Crosby, Paralegal
700 17th Street, Suite 1800
Denver, Colorado 80202
303-534-0702
303-534-0310 Fax
www.petrockfendel.com

February 7, 2014

Kip Petersen
Donala Water and Sanitation District
15850 Holbein Drive
Colorado Springs, CO 80921

Re: Water Rights of Donala Water and Sanitation District

Dear Kip:

Pursuant to your request, the following describes the decreed water rights of the Donala Water and Sanitation District. Donala owns rights totaling 3216.3 acre feet per year. This includes 2936.3 acre feet per year of ground water rights and 280 acre feet per year of renewable surface water rights from the Willow Creek Ranch.

WILLOW CREEK RANCH WATER RIGHTS

The Willow Creek Ranch rights produce varying amounts from year to year. Leonard Rice Engineers estimates the average yield is 280 acre feet per year.

Donala also leases 250 acre feet per year from the Pueblo Board of Water Works. A portion of the water is used to pay return flows on the Willow Creek Ranch water rights. That obligation averages 94 acre feet per year. That leaves an average of 156 acre feet per year available for Donala's use. I have not included this amount in the totals above, since this is a 20-year lease. If you include this leased water, Donala has 3372.3 acre feet per year available.

GROUND WATER RIGHTS

Denver Basin ground water rights are associated with the overlying land. The inventory of decrees below is, therefore, arranged geographically by the lands on which each decree is based.

These descriptions include references to nontributary ground water and not nontributary ground water. Use of not nontributary ground water requires a plan for augmentation that includes replacement of "post-pumping depletions," or impacts from

pumping that continue after pumping ceases. Under Donala's plans, a portion of its Laramie-Fox Hills ground water is reserved for this future obligation, and is therefore not available for use. So the amount available does not include 137.7 acre feet per year reserved for future replacement of post-pumping depletions.

Original Boundary Of District

Case No. W-4216: 1400 acre-feet per year of nontributary Dawson Arkose aquifer groundwater (Denver and Arapahoe).

Case No. 85CW7: 187 acre-feet per year of not nontributary Denver aquifer; 93.5 acre-feet per year of not nontributary Arapahoe aquifer; and 66 acre-feet per year of nontributary Laramie-Fox Hills aquifer groundwater.

Case No. 90CW45: 160.1 acre-feet per year of not nontributary Lower Dawson aquifer; 250 acre-feet of not nontributary Denver aquifer; and 287 acre-feet of nontributary Laramie-Fox Hills aquifer groundwater.

Highmeadow At Fox Run

Case No. 97CW61 and 97CW218: 28 acre-feet per year of not nontributary Denver aquifer; 14.9 acre-feet of not nontributary Arapahoe aquifer; and 10 acre-feet of nontributary Laramie-Fox Hills aquifer groundwater.

Parks Parcel

Case No. 97CW161: 172 acre-feet per year of not nontributary Denver aquifer; 167 acre-feet of not nontributary Arapahoe aquifer; and 117 acre-feet of nontributary Laramie-Fox Hills aquifer groundwater.

Brown Ranch

Case No. 13CW6: 31.9 acre-feet of not nontributary Arapahoe aquifer and 66.7 acre-feet of nontributary Arapahoe aquifer groundwater. (24.8 acre-feet of not nontributary groundwater augmented/7.1 acre-feet not augmented. The unaugmented 7.1 acre feet is not included in the total amounts available reported above. It could be added by amending the augmentation plan.).

Struthers Ranch

Case No. 04CW16: 4.2 acre-feet per year of not nontributary Dawson aquifer; 39.9 acre-feet per year of not nontributary Denver aquifer; and 30 acre-feet per year of nontributary Laramie-Fox Hills aquifer groundwater. (Not nontributary groundwater not augmented, and not included in the total amounts available reported above. It could be added by amending the augmentation plan.).

Augmentation Plans

The not nontributary groundwater described above (except that under the Struthers Ranch and 7.1 acre-feet under the Brown Ranch) may be withdrawn and used through the District's well fields pursuant to Consolidated Case Nos. 91CW16 and 93CW85, District Court, Water Division 2 and Case No. 93CW169, District Court, Water Division 1; Case No. 97CW61 and 97CW218; Case No. 99CW6; Case No. 04CW22, as amended in Case No. 13CW6.

137.7 acre feet of the nontributary ground water is reserved for future use replacing post-pumping depletions. Therefore, that water is not available for use.

If you have any questions, please feel free to call.

Sincerely,
PETROCK & FENDEL, P.C.

Frederick A. Fendel, III

FAF:gjc

APPENDIX B – WELL PERMITS

Well 1A-R

Form No. GWS-25

OFFICE OF THE STATE ENGINEER
COLORADO DIVISION OF WATER RESOURCES

818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203
(303) 866-3581

LIC

WELL PERMIT NUMBER 16140 -F R
DIV. 2 WD 10 DES. BASIN MD

APPLICANT

DONALA WATER & SANITATION DIST
C/O PETROCK & FENDEL PC
700 17TH ST #1800
DENVER, CO 80202-

(303) 534-0702

APPROVED WELL LOCATION
EL PASO COUNTY
NW 1/4 SW 1/4 Section 6
Township 12 S Range 66 W Sixth P.M.

DISTANCES FROM SECTION LINES
3510 Ft. from North Section Line
50 Ft. from West Section Line

UTM COORDINATES (NAD83)
Easting: Northing:

PERMIT TO CONSTRUCT A 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(2) for the replacement of an existing well, permit no. 16140-F (decreed by the Division 2 Water Court as Well no. 2 in case no. W-4216). Upon completion of the new well, the old well must be plugged and abandoned in accordance with Rule 16 of the Water Well Construction Rules. A Well Abandonment Report form must be submitted within sixty (60) days of abandonment of the old well.
4) The use of ground water from this well is limited to a municipal supply to the Donala Water and Sanitation District.
5) The pumping rate of this well shall not exceed 400 GPM.
6) The annual amount of ground water to be appropriated shall not exceed 499 acre-feet.
7) 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.
8) The owner shall mark the well in a conspicuous place with well permit number, court case number, and name of the aquifers (Denver and Arapahoe aqufiers). The owner shall take necessary means and precautions to preserve these markings.
9) This well shall be constructed not more than 200 feet from the location specified on this permit and not more than 200 feet from the location decreed for Well No. 2 in case no. W-4216.
10) Production from this well is limited to the same producing interval as the original well constructed in September 1972. Production is limited to the interval from 215 feet to 1,150 feet felow ground surface. Plain casing must be installed and grouted to prevent withdrawal fo water from other zones. The total depth of the well may not exceed 1,150 feet.

RECEIVED
AUG 2 0 2004
GMS, INC.

APPROVED
KVH

Jeff D. Simpson
State Engineer

Keith VanderHorst
By

Receipt No. 0530372 DATE ISSUED 10-01-2004 EXPIRATION DATE 10-01-2005

Form No. GWS-25

OFFICE OF THE STATE ENGINEER
COLORADO DIVISION OF WATER RESOURCES

818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203
(303) 866-3581

WELL 2A-R

LIC

RECEIVED
AUG 20 2009

WELL PERMIT NUMBER 49356 -F R
DIV. 2 WD 10 DES. BASIN MD

APPLICANT

GMS, INC.

DONALA WATER & SANITATION DISTRICT
15850 HOLBEIN
COLORADO SPRINGS, CO 80921-

(719) 488-3603

PERMIT TO CONSTRUCT A WELL (AMENDED)

APPROVED WELL LOCATION
EL PASO COUNTY
SW 1/4 SW 1/4 Section 31
Township 11 S Range 66 W Sixth P.M.

DISTANCES FROM SECTION LINES
130 Ft. from South Section Line
17 Ft. from West Section Line

UTM COORDINATES (Meters,Zone:13,NAD83)
Easting: 514631 Northing: 4321487

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) and the decree granted for well 2A by the Division 2 Water Court in case no. 95CW111, for the replacement of an existing well, permit no. 49356-F. Upon completion of the new well, the old well must be plugged and abandoned in accordance with Rule 16 of the Water Well Construction Rules. A Well Abandonment Report form must be submitted within sixty (60) days of abandonment of the old well.
4) Approved as an alternate point of diversion to well 3A (permit no. 34671-F) and to withdraw the Arapahoe aquifer portion of well 1(permit no. 16140-RF) through this well 2A or well 3A or a combination of both wells, pursuant to case no. 95CW111.
5) The use of ground water from this well is limited to municipal purposes by Donala Water and Sanitation District.
6) The pumping rate of this well shall not exceed 500 GPM.
7) The annual amount of ground water to be appropriated by this well shall not exceed 294 acre-feet. When operated as an alternate point of diversion to well 3A (decreed for 272 acre-feet annually) and when withdrawing the Arapahoe aquifer portion of well 1(as decreed in case no. 95CW111 for 259 acre-feet annually), the combined annual amount of ground water to be appropriated shall not exceed 825 acre-feet.
8) Production is limited to the Arapahoe aquifer which is located 890 feet below land surface and extends to a depth of* 1,295 feet. Plain casing must be installed and grouted to prevent the withdrawal of ground water from other aquifers and the movement of ground water between aquifers.
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 place 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.

* **NOTE: Construction of the borehole to a depth of 1,326 feet is approved for installation of a rathole and sump below the producing zone. MPS September 29, 2006**

APPROVED
JWB

Lee D. Simpson
State Engineer

By

Receipt No. 3606871 DATE ISSUED 09-12-2006 EXPIRATION DATE 09-12-2007

ISSUANCE OF THIS PERMIT DOES NOT CONFER A WATER RIGHT

CONDITIONS OF APPROVAL

12) This well shall not be constructed any closer to any other existing well than the well it is replacing, if such other well is within 600 feet of the replacement well, is completed in the same aquifer, and is not owned by the applicant. This well shall be constructed not more than 200 feet from the location of the original well, well no. 49356-F, and not more than 200 feet from the location specified on this permit.

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

NOTE: The well structure I.D.# is 1005170.

NOTE: Permit no. 27229-F was approved as a replacement for the Arapahoe aquifer portion of an existing well formerly permitted under permit no. 16143-F, decreed by the Division 2 Water Court as well no. 2 in case no. W-4216. Permit no. 16143-F was canceled by use of permit no. 27229-F. A replacement well was constructed under permit no. 27229-F on 5/28/1984. Permit no. 49356-F was then issued on 12/19/1997 to change/expand the use of well permit no. 27229-F. Permit no. 27229-F was canceled upon the use of permit no. 49356-F.

NOTICE: This permit has been approved subject to the following changes: The permit number reference was changed from 27229-F to 49356-F and the water court case from W-4216 to 95CW111. The well location distances from section lines were calculated from UTM coordinate values provided by field personnel of the Division of Water Resources. The pumping rate was changed to 500 GPM and the annual amount of ground water to be appropriated to 825 acre-feet pursuant to the terms and conditions of case no. 95CW111. The total well depth was limited to 1,295 feet based on the Denver Basin Rules. You are hereby notified that you have the right to appeal the issuance of this permit, by filing a written request with this office within sixty (60) days of the date of issuance, pursuant to the State Administrative Procedures Act. (See Section 24-4-104 through 106, C.R.S.)

JS. 9/12/2006

Form No. GWS-25

OFFICE OF THE STATE ENGINEER
COLORADO DIVISION OF WATER RESOURCES

818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203
(303) 866-3581

WELL 2DV-R

LIC

RECEIVED
AUG 20 2009

WELL PERMIT NUMBER 27228 -F R
DIV. 2 WD 10 DES. BASIN MD

APPLICANT

GMS, INC.

DONALA WATER & SANITATION DISTRICT
15850 HOLBEIN
COLORADO SPRINGS, CO 80921-

(719) 488-3603

APPROVED WELL LOCATION
EL PASO COUNTY
SW 1/4 SW 1/4 Section 31
Township 11 S Range 66 W Sixth P.M.

DISTANCES FROM SECTION LINES
75 Ft. from South Section Line
50 Ft. from West Section Line

UTM COORDINATES (Meters,Zone:13,NAD83)
Easting: Northing:

PERMIT TO CONSTRUCT A 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(2) for the replacement of an existing well, permit no. 27228-F (Donala well 2D, being the Denver aquifer portion of Well No. 2 as decreed by the Division 2 Water Court in case no. W-4216). Upon completion of the new well, the old well must be plugged and abandoned in accordance with Rule 16 of the Water Well Construction Rules. A Well Abandonment Report form must be submitted within sixty (60) days of abandonment of the old well.
4) Also approved allowing well 2D to operate as an alternate point of diversion for Donala well 3D (permit no. 34670-F), being the Denver aquifer portion of Well No. 3 decreed in case no. W-4216, as previously permitted by 44910-F.
5) The use of ground water from this well is limited to municipal by Donala Water and Sanitation District.
6) The pumping rate of this well shall not exceed 250 GPM.
7) The combined average annual amount of ground water to be appropriated by this well and well 3D shall not exceed 335 acre-feet, consisting of 205 acre-feet as a replacement of well 2D, and 130 acre-feet as an alternate point of diversion of well 3D.
8) 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.
9) The owner shall mark the well in a conspicuous place with well permit number, name of the aquifer, and court case number. The owner shall take necessary means and precautions to preserve these markings.
10) This well shall be constructed not more than 200 feet from the location specified on this permit and not more than 200 feet from the location of original Donala Well No. 3, which was 65 from the south section line and 68 feet from the west section line.
11) Production is limited to the Denver aquifer which is located 250 feet feet below land surface and extends to a depth of 910 feet. Plain casing must be installed and grouted to prevent the withdrawal of ground water from other aquifers and the movement of ground water between aquifers.
12) Use of this permit cancels permit no. 44910-F

APPROVED
KVH

Hal D. Simpson
State Engineer

Keith VanderHorst
By

Receipt No. 0544053 DATE ISSUED 11-28-2005 EXPIRATION DATE 11-28-2006

Form
No. GWS-7
6/2003

EXEMPT PERMIT INFORMATION SHEET

STATE OF COLORADO
OFFICE OF THE STATE ENGINEER
821 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203
(303) 866-3581 Fax (303) 866-3589

INFORMATION FOR WELL PERMITS APPROVED PURSUANT TO CRS 37-92-602
(HOUSEHOLD, DOMESTIC, LIVESTOCK AND EXEMPT COMMERCIAL USES)

Carefully read the conditions of approval on your well permit. The conditions and the information on this information sheet must be complied with in order for the permit to remain valid.

THE PERMIT EXPIRATION DATE IS TWO YEARS FROM THE DATE ISSUED. The well must be constructed and evidence of it's construction must be received by this office in the form of a Well Construction and Test report from the well construction contractor confirming that the well was constructed prior to expiration of the well permit. The well permit number is located in the upper right hand corner of the permit, and the expiration date is located in the lower right hand corner. The expiration date of the permit may be **extended one year at a time** at the discretion of the State Engineer for good cause shown. **If an extension of time is necessary to construct the well, a written request for the extension of time must be received by this office, accompanied by a filing fee of $200, prior to the expiration date of the well permit. In the request, you must provide the well permit number, your name and mailing address and the reasons why the well has not been constructed and when it will be constructed.**

Water well construction and pump installation contractors are specifically licensed in Colorado to perform these specialized tasks. It is illegal for contractors who do not hold these licenses to construct wells and/or install pumping equipment in or on wells. The well must be constructed and the pump installed by contractors with current license(s) issued by the State of Colorado unless exempted as described on the reverse side. Please ask to see their license(s). Backhoe Operators and Licensed Plumbers may or may not hold the respective Well Construction and/or Pump Installation licenses. Please be aware of this when you contract to construct the well and install pumping equipment. The well construction report including a test of the well yield must be submitted to the office of the State Engineer within sixty (60) days of completion of the work or within seven days after expiration of the permit, whichever is earlier. The pump installation report including a pumping system test must be submitted within sixty (60) days of completion of the work. The contractor(s) must provide you with a copy of the work report(s) filed with the State Engineer. The Well Construction and Test Report, Form Number GWS-31 and the Pump Installation and Test Report, Form Number GWS-32 are available from the Division of Water Resources offices. Additional information regarding well construction, pump installation, required testing and well plugging and sealing regulations are found on the reverse side of this sheet.

You have been provided with at least two copies of the well permit. Keep a copy for your records. There is also a copy for the pump installation contractor. Copies have been sent to the driller if you indicated a driller license number on the application, or two additional copies have been enclosed. You may make additional copies for the well construction contractor if you select one different from the one indicated in your application.

The original permit is on file in the Denver office Records Section. Copies may be obtained for a fee of 50 cents per page. Statutes require that any change of mailing address or ownership be reported to the State Engineer. Form number GWS-11 is used both by new owners to report ownership changes and current owners to report address changes.

If you have questions, contact the Denver Office, or the Division Office in the area where your well is located.

Division 1 810 9th St. 2nd Floor Greeley, CO 80631 (970) 352-8712 Fax (970) 391-1816	Division 2 310 E. Abriendo Ave Ste B Pueblo, CO 81004 (719) 542-3368 Fax (719) 544-0800	Division 3 301 Murphy Drive Alamosa, CO 81101 (719) 589-6683 Fax (719) 589-6685	Division 4 1871 East Main St. Montrose, CO 81402 (970) 249-6622 Fax (970) 249-8728
Division 5 Direct mail to Box 396 Glenwood Spgs CO 81602 50633 U.S. Hwy 6 & 24 Glenwood Spgs., CO 81601 (970) 945-5665 Fax (970) 945-8741 Call first	Division 6 Direct mail to Box 773450 505 Anglers Dr. Suite 101 Steamboat Spgs, CO 80477 (970) 879-0272 Fax (970) 879-1070	Division 7 701 Camino Del Rio Ste. 205 Durango, CO 81301 (970) 247-1845 Fax (303) 866-5417	Denver Office 1313 Sherman St. Rm. 818 Denver, CO 80203 (303) 866-3581 Fax (303) 866-3589

Form No. GWS-25

OFFICE OF THE STATE ENGINEER
COLORADO DIV ON OF WATER RESOURCES

818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203
(303) 866-3581

#3
WELL 3DV
LIC

RECEIVED
AUG 2 0 2009

APPLICANT

GMS, INC.

DONALA WATER & SANITATION DIST
%HOLLY HOLDER PC
518 17TH ST STE 1500
DENVER CO 80202-

(303)534-3636

PERMIT FOR ALTERNATE POINT OF WITHDRAWAL

WELL PERMIT NUMBER 044908 - F -

DIV. 2 CNTY. 21 WD 10 DES. BASIN MD

Lot: Block: Filing: Subdiv:

APPROVED WELL LOCATION
EL PASO COUNTY

SW 1/4 NW 1/4 Section 31
Twp 11 S RANGE 66 W 6th P.M.

DISTANCES FROM SECTION LINES

2550 Ft. from North Section Line
100 Ft. from West Section Line

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 the permit does not assure the applicant 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 have been in compliance with the Water Well Construction and Pump Installation Rules 2 CCR 402-2, unless approval of a variance had been granted by the State Board of Examiners of Water Well Construction and Pump Installation Contractors in accordance with Rule 17.

3) Approved pursuant to CRS 37-90-137(2), the decree granted for Well No. 3 in Case No. W-4216, Division 2 Water Court, and the Findings of the State Engineer dated May 8th, 1995. The decreed well (Permit No. 16141-F) was completed into both the Denver and Arapahoe aquifers. The present well (Permit No. 34670-F) withdraws the Denver aquifer portion of the ground water decreed in Case No. W-4216. The operation of this well is subject to the terms and conditions of said decree.

4) Production is limited to the Denver aquifer which is located at a depth of approximately 280 feet below land surface and extends to a depth of approximately 900 feet below land surface. Plain casing must have been installed and sealed to prevent the withdrawal of ground water from other aquifers and the movement of ground water between aquifers.

5) The maximum pumping rate of this well shall not exceed 250 GPM in combination with the rate allowed under Permit No. 34670-F.

6) This well shall have been constructed not more than 200 feet from the location specified on this permit.

7) The use of ground water from this well is limited to Municipal use as specified in Case No. W-4216.

8) The combined average annual amount of ground water to be appropriated by this well and well Permit No. 27228-F shall not exceed 335 acre-feet.

9) A totalizing flow meter must be installed on the 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.

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

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

OWNER'S COPY

APPROVED
DAM

Hal D. Simpson
State Engineer

Art Eckermann
By

Receipt No. 0382672B

DATE ISSUED MAY 10 1995

EXPIRATION DATE MAY 10 1996

Form No.
GWS-25

OFFICE OF THE STATE ENGINEER
COLORADO DIVISION OF WATER RESOURCES

WELL 3A

818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203
(303) 866-3581

LIC

RECEIVED
AUG 20 2009

APPLICANT

GMS, INC.

DONALA WATER & SANITATION
% HOLLY I HOLDER PC
518 17TH ST #1500
DENVER CO 80202-

(303)534-3636

CHANGE/EXPANSION OF USE

WELL PERMIT NUMBER 049355 - F -

DIV. 2 CNTY. 21 WD 10 DES. BASIN MD

Lot: Block: Filing: Subdiv:

APPROVED WELL LOCATION
EL PASO COUNTY

SW 1/4 SW 1/4 Section 31
Twp 11 S RANGE 66 W 6th P.M.

DISTANCES FROM SECTION LINES

2600 Ft. from North Section Line
75 Ft. from West Section Line

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 the permit does not assure the applicant 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) and the decree granted for well no. 3A in case no. 95CW111, Division 2 Water Court. The operation of this well is subject to the terms and conditions of said decree.
4) This well may be used as an alternate point of diversion to the other wells decreed by the Division Water Court Case no. 95CW111 subject to the limitation set forth in said decree.
5) The maximum pumping rate shall not exceed 500 GPM.
6) The maximum annual amount of ground water to be appropriated shall not exceed 825 acre-feet. The combined annual amount of ground water to be appropriated by this well and well nos. A-1 & 2A shall not exceed 825 acre-feet.
7) The use of ground water from this well is limited to use within the Donala Water and Sanitation District's service area.
8) This well shall be located at least 600 feet from any existing well completed in the same aquifer that is not owned by the applicant. This well shall be located not more than 200 feet from the location specified on this permit.
9) The owner shall mark the well in a conspicuous place 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.
10) Totalizing flow meters must be installed on this well and well nos. A-1 & 2A, 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.
11) This well is subject to administration by the Division Engineer in accordance with applicable decrees, statutes, rules, and regulations.
12) Approved to change the use of an existing well constructed under permit no. 34671-F. Use of this permit cancels permit no. 34671-F.

OWNER'S COPY

APPROVED
HCF

Hal D. Simpson
State Engineer

Dick Wolfe
By

Receipt No. 0406830B

DATE ISSUED DEC 19 1997

EXPIRATION DATE DEC 19 1998

Form No. GWS-25

OFFICE OF THE STATE ENGINEER
COLORADO DIVISION OF WATER RESOURCES

818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203
(303) 866-3581

Well 4A

LIC

WELL PERMIT NUMBER 055359 - F -

DIV. 2 WD 10 DES. BASIN MD

RECEIVED
AUG 20 2009

APPLICANT

GMS, INC.

DONALA WATER & SANITATION DISTRICT
% HOLLY I HOLDER PC
518 17TH ST #1500
DENVER, CO 80202-

(303) 534-3636

APPROVED WELL LOCATION
EL PASO COUNTY
NE 1/4 NE 1/4 Section 31
Township 11 S Range 66 W Sixth P.M.

DISTANCES FROM SECTION LINES
220 Ft. from North Section Line
645 Ft. from East Section Line

UTM COORDINATES
Northing: Easting:

PERMIT TO CONSTRUCT A 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 assure the applicant 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(2) as an alternate point of diversion to the following: The Arapahoe aquifer portion of Donala Well No. 1, the Arapahoe aquifer replacement well of Donala Well No. 2, and the Arapahoe aquifer replacement well of Donala Well No. 3, all as decreed in case no. W-4216.
4) Use of this well as an alternate point of diversion is a change in water right. This well shall be junior to all vested water rights until such time as the change in water right has been approved by the Division 2 Water Court and the well then must be operated in accordance with the terms and conditions of that decree.
5) The use of ground water from this well is limited to municipal by the Donala Water and Sanitation District.
6) The maximum pumping rate of this well shall not exceed 500 gpm. The simultaneous maximum pumping rate of this well and any other wells pumping the Arapahoe aquifer water decreed in case no. W-4216 shall not exceed 1,025 GPM.
7) The combined average annual amount of ground water to be appropriated from the Arapahoe aquifer by this well and any other wells withdrawing the Arapahoe aquifer water decreed in case no. W-4216 shall not exceed 825 acre-feet.
8) Totalizing flow meters must be installed on this well and any other wells withdrawing the Arapahoe aquifer water decreed in W-4216, 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.
9) The owner shall mark the well in a conspicuous place 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.
10) This well shall be constructed not more than 200 feet from the location specified on this permit. This well shall be constructed at least 600 feet from any existing well completed in the same aquifer that is not owned by the applicant.
11) Production is limited to the Arapahoe aquifer which is located 1,280 feet below land surface and extends to depth of 1,690 feet. Plain casing must be installed and grouted to prevent the withdrawal of ground water from other aquifers and the movement of ground water between aquifers.

NOTE: The ability of this well to withdraw its authorized amount of water from this non-renewable aquifer may be less than the 100 years upon which the amount of water in the aquifer is allocated, due to anticipated water level declines.

APPROVED
KVH

State Engineer

By

Receipt No. 0471818 DATE ISSUED FEB 16 2001 EXPIRATION DATE FEB 16 2002

51-N

RECEIVED
JAN 22 1987
WATER RESOURCES
STATE ENGINEER
COLO.

WRJ-5-Rev. 76

Well #5

LORADO DIVISION OF WATER RESOURCES
818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203

PERMIT APPLICATION FORM

WELL 5DA

Application must be complete where applicable. Type or print in BLACK INK. No overstrikes or erasures unless initialed.

OWNER'S COPY

FOR: (X) A PERMIT TO USE GROUND WATER
( ) A PERMIT TO CONSTRUCT A WELL
(X) A PERMIT TO INSTALL A PUMP
( ) REPLACEMENT FOR NO. _____
( ) OTHER _____
WATER COURT CASE NO. _____

01-22-87 2:34 P
032472 25.00
WATRES P0012
TTL 25.00
CHEQUE 25.00
CHG 0.00
ITM 1
CSH TALLIED

FOR OFFICE USE ONLY - DO NOT WRITE IN THIS COLUMN

Receipt No. 72038 / _____

Basin _____ Dist. _____

(1) APPLICANT - mailing address

NAME Donala Water & Sanitation District

STREET 14510 Bermuda Dunes

CITY Colorado Springs CO 80908
(State) (Zip)

TELEPHONE NO. (303) 488-3603

(2) LOCATION OF PROPOSED WELL

County El Paso

NW ¼ of the NE ¼, Section 6

Twp. 12 S (N,S), Rng. 66 W (E,W), 6th P.M.

(3) WATER USE AND WELL DATA

Proposed maximum pumping rate (gpm) 225

Average annual amount of ground water to be appropriated (acre-feet): 275

Number of acres to be irrigated: Not Applicable

Proposed total depth (feet): 285'

Aquifer ground water is to be obtained from:
Lower Dawson

Owner's well designation Donala DA-#5

GROUND WATER TO BE USED FOR:

( ) HOUSEHOLD USE ONLY - no irrigation (0)
( ) DOMESTIC (1)
( ) LIVESTOCK (2)
( ) COMMERCIAL (4)
( ) INDUSTRIAL (5)
(X) IRRIGATION (6)
(X) MUNICIPAL (8)

( ) OTHER (9) _____

DETAIL THE USE ON BACK IN (11)

RECEIVED
AUG 20 2009

(4) DRILLER

Name Licensed

Street _____

City _____ GMS, INC.
(State) (Zip)

Telephone No. _____ Lic. No. _____

CONDITIONS OF APPROVAL

This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of the permit does not assure the applicant 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.

1) APPROVED PURSUANT TO C.R.S. 37-90-137(4) AN
THE FINDINGS OF THE STATE ENGINEER DATED 3/4/8
2) THE ALLOWED AVERAGE ANNUAL AMOUNT OF WATER TO BE WITHDRAWN BY THIS WELL IS 249 ACRE-FEET.
3) THE MAXIMUM PUMPING RATE OF THE WELL SHALL NOT EXCEED 225 GALLONS PER MINUTE.
4) GROUND WATER PRODUCTION FROM THIS WELL SHAI BE LIMITED TO THE DAWSON AQUIFER WHICH IS LOCATED AT LAND SURFACE AND EXTENDS TO A DEPTH OF 220 FEET. PLAIN CASING MUST BE INSTALLED AND SEALED TO PREVENT THE WITHDRAWAL OF GROUND WATER FROM OTHER AQUIFERS AND THE MOVEMENT OF GROUND WATER BETWEEN AQUIFERS.
5) THE WELL SHALL BE CONSTRUCTED NO MORE THAN 200 FEET FROM THE LOCATION SPECIFIED HEREON.
6) THE ENTIRE LENGTH OF THE HOLE SHALL BE GEOPHYSICALLY LOGGED ACCORDING TO THE ATTACHED INSTRUCTIONS.
7) A TOTALIZING FLOW METER MUST BE INSTALLED. (NOTE: NON-CONSTRUCTION CONDITIONS IN FINDINGS). K.V.H. 3-6 87

APPLICATION APPROVED

PERMIT NUMBER 31263 -F

DATE ISSUED MAR 09 1987

EXPIRATION DATE MAR 09 1988

Jim A. Davidson
(STATE ENGINEER)

BY Steve Lautenschlager

I.D. 2-10 COUNTY 21

Form No.
GWS-25

OFFICE OF THE STATE ENGINEER
COLORADO DIVISION OF WATER RESOURCES
818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203
(303) 866-3581

WELL 6 DA

LIC

WELL PERMIT NUMBER 037503 F

DIV. 2 CNTY. 21 WD 10 DES. BASIN ___ MD ___

APPLICANT

DONALA WTR & SAN DIST
14510 BERMUDA DUNES DR
COLO SPGS, CO 80908

APPROVED WELL LOCATION

COUNTY EL PASO

SW 1/4 NW 1/4 Section 6

Twp 12 S, Range 66 W S P.M.

DISTANCES FROM SECTION LINES

1980 Ft. from North Section Line

800 Ft. from West Section Line

PERMIT TO CONSTRUCT A 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 the permit does not assure the applicant 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) Approved pursuant to CRS 37-90-137(4) and CRS 37-90-137(10) as an additional well to well no. 31263-F

3) The combined average annual amount of ground water to be appropriated by this well and well no. 31263-F shall not exceed 249 acre-feet.

4) The combined maximum pumping rates of this well and well no. 31263-F shall not exceed 225 GPM.

5) Production is limited to the Lower Dawson Aquifer which is located 45 feet below land surface and extends to a depth of 100 feet at the locaton of the proposed well. Plain casing must be installed and sealed to prevent the withdrawal of ground water from other aquifers and the movement of ground water between aquifers.

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

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

8) This well shall not be pumped unless included in a court approved plan for augmentation.

9) A totalizing flow meter must be installed on the well and maintained in good working order. Permanent records of all diversions must be maintained by the well owner (recorded at at least annually) and submitted to the Division Engineer upon request.

JTS 8/13/90

RECEIVED
AUG 20 2009
GMS, INC.

PERMIT EXPIRATION DATE EXTENDED TO August 14 1992
ajc 3-27-91

SEE 37982-F

APPROVED: JS Jim A. Davidson
State Engineer

By Bruce E. DeBrine

Receipt No. 0312998 DATE ISSUED AUG 14 1990 EXPIRATION DATE AUG 14 1991

WRJ-5 Rev. 76

COLORADO DIVISION OF WATER RESOURCES
818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203

WELL 7DV

RECEIVED JAN 4 '90

PERMIT APPLICATION FORM

Application must be complete where applicable. Type or print in BLACK INK. No overstrikes or erasures unless initialed.

(X) A PERMIT TO USE GROUND WATER
(x) A PERMIT TO CONSTRUCT A WELL
FOR: (X) A PERMIT TO INSTALL A PUMP
( ) REPLACEMENT FOR NO. _____
( ) OTHER _____
WATER COURT CASE NO. W-4216 85CW007

01-04-90 12:10 P
2 @ 60.00
032472 120.00
MNX00B P0013
TTL 120.00
CHEQUE 120.00
CHG 0.00

FOR OFFICE USE ONLY: DO NOT WRITE IN THIS COLUMN
ITM 2
CL-1 OA8446
Receipt No. 308446 B / _____
Basin _____ Dist. _____

(1) APPLICANT - mailing address

NAME Donala Water & Sanitation District
Wm Sheldon, Manager
STREET 14510 Bermuda Dunes Way
CITY Colorado Springs (State) CO (Zip) 80908
TELEPHONE NO. (719) 488-3603

(2) LOCATION OF PROPOSED WELL

County El Paso
NE ¼ of the NE ¼, Section 31
Twp. 11 (N,S) S, Rng. 66 (E,W) W, 6th P.M.

(3) WATER USE AND WELL DATA

Proposed maximum pumping rate (gpm) 300
Average annual amount of ground water to be appropriated (acre-feet): 250
Number of acres to be irrigated: 1256
Proposed total depth (feet): 1235
Aquifer ground water is to be obtained from:
Denver
Owner's well designation DV #7

GROUND WATER TO BE USED FOR:

( ) HOUSEHOLD USE ONLY - no irrigation (0)
(X) DOMESTIC (1)
(X) LIVESTOCK (2)
(X) COMMERCIAL (4)
(X) INDUSTRIAL (5)
(X) IRRIGATION (6)
(X) MUNICIPAL (8)
(X) OTHER (9) Augmentation, Recreation, Lease, Sale and other disposition
DETAIL THE USE ON BACK IN (11)

(4) DRILLER

RECEIVED AUG 2 0 2009

Name Licensed
Street _____
City _____ (State) GMS, INC. (Zip)
Telephone No. _____ Lic. No. _____

CONDITIONS OF APPROVAL

This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of the permit does not assure the applicant 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.

1) APPROVED PURSUANT TO C.R.S. 37-90-137(4) AND THE FINDINGS OF THE STATE ENGINEER DATED MARCH 1, 1990.
2) THE MAXIMUM PUMPING RATE OF THE WELL SHALL NOT EXCEED 300 GALLONS PER MINUTE.
3) THE ALLOWED AVERAGE ANNUAL AMOUNT OF WATER TO BE WITHDRAWN BY THIS WELL IS 193 ACRE-FEET FROM BENEATH REGION(2) REQUIRING 4% REPLACEMENT AND 221 ACRE-FEET FROM BENEATH REGION(1) REQUIRING ACTUAL STREAM DEPLETIONS TO BE REPLACED, TOTAL NOT TO EXCEED 250 ACRE-FEET.
4) GROUND WATER PRODUCTION FROM THIS WELL SHALL BE LIMITED TO THE DENVER AQUIFER WHICH IS LOCATED 515 FEET BELOW LAND SURFACE AND EXTENDS TO A DEPTH OF 1230 FEET. PLAIN CASING MUST BE INSTALLED AND SEALED TO PREVENT THE WITHDRAWAL OF GROUND WATER FROM OTHER AQUIFERS AND THE MOVEMENT OF GROUND WATER BETWEEN AQUIFERS.
5) THE WELL SHALL BE CONSTRUCTED NO MORE THAN 200 FEET FROM THE LOCATION SPECIFIED HEREON.
6) THE ENTIRE LENGTH OF THE HOLE SHALL BE GEOPHYSICALLY LOGGED ACCORDING TO THE ATTACHED INSTRUCTIONS.
7) A TOTALIZING FLOW METER MUST BE INSTALLED. (NOTE: NON-CONSTRUCTION CONDITIONS IN FINDINGS).
8) THIS WELL SHALL NOT BE PUMPED UNLESS INCLUDED IN A COURT APPROVED AUGMENTATION PLAN. (NOTE: NON-CONSTRUCTION CONDITIONS IN FINDINGS)
D.E.E. March 1, 1990

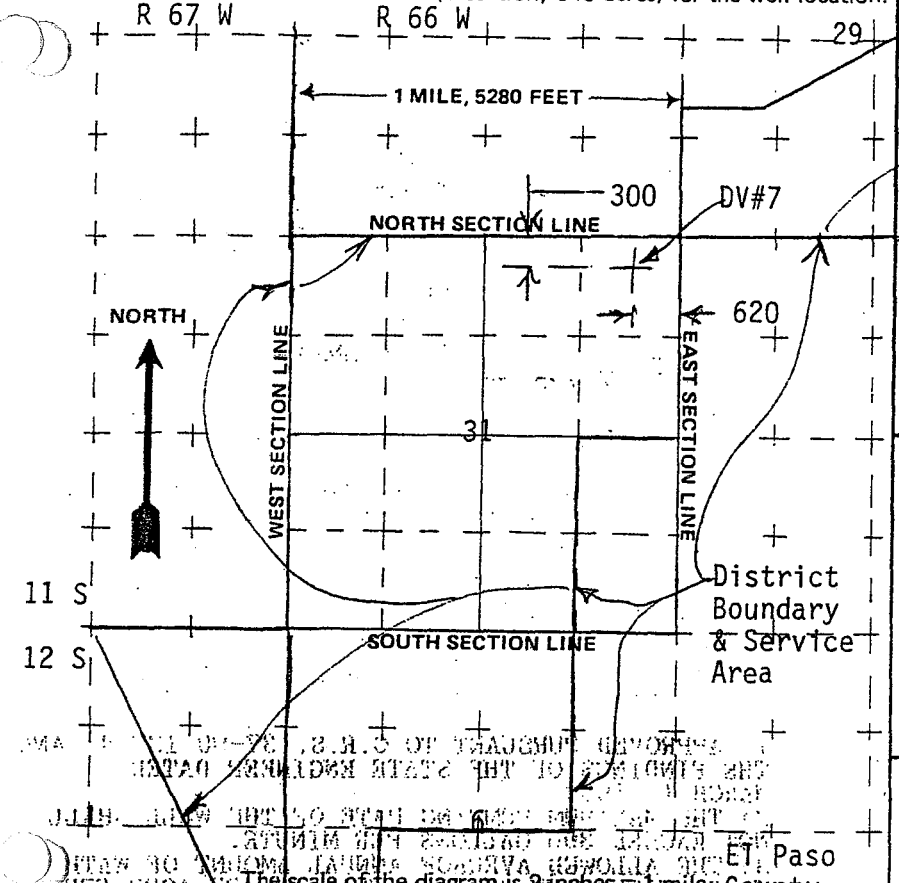
PERMIT EXPIRATION DATE EXTENDED TO March 5, 1992
1 yr ext 3/27/91

APPLICATION APPROVED

PERMIT NUMBER [redacted]
DATE ISSUED MAR 05 1990
EXPIRATION DATE MAR 05 1991

(STATE ENGINEER)
BY Bruce E. DeBruin

(5) THE LOCATION OF THE PROPOSED WELL and the area on which the water will be used must be indicated on the diagram below. Use the CENTER SECTION (1 section, 640 acres) for the well location.



WATER EQUIVALENTS TABLE (Rounded Figures)
An acre-foot covers 1 acre of land 1 foot deep
1 cubic foot per second (cfs) = 449 gallons per minute (gpm)
A family of 5 will require approximately 1 acre-foot of water per year.
1 acre-foot = 43,560 cubic feet = 325,900 gallons.
1000 gpm pumped continuously for one day produces 4.42 acre-feet.

(6) THE WELL MUST BE LOCATED BELOW by distances from section lines.

300 ft. from North (north or south) sec. line

620 ft. from East (east or west) sec. line

LOT _____ BLOCK _____ FILING # _____

SUBDIVISION _____

(7) TRACT ON WHICH WELL WILL BE LOCATED Owner: Donala Water & San Dis

No. of acres 1. Will this be the only well on this tract? no A-6

(8) PROPOSED CASING PROGRAM

Plain Casing

surface

20 in. from 0 ft. to 40 ft.

8" ID in. from 0 ft. to 1235 ft.

Perforated casing

8" ID in. from 550 ft. to 1225 ft.

_____ in. from _____ ft. to _____ ft.

(9) FOR REPLACEMENT WELLS give distance and direction from old well and plans for plugging it:

(10) LAND ON WHICH GROUND WATER WILL BE USED:

Owner(s) See Exhibit C No. of acres: 1256

Legal description: See Exhibit B

(11) DETAILED DESCRIPTION of the use of ground water: Household use and domestic wells must indicate type of disposal system to be used. Water used service area of Donala Water & Sanitation District for Domestic, Livestock, Commercial, Industrial, Irrigation, Municipal, Augmentation, Recreation, Lease, Sale and other disposition. wastewater collected and treated at treatment plant and discharge

(12) OTHER WATER RIGHTS used on this land, including wells. Give Registration and Water Court Case Numbers. to strea

Type or right	Used for (purpose)	Description of land on which used
Case W-4216: 85CW007	see 11 above	see Exhibit B

(13) THE APPLICANT(S) STATE(S) THAT THE INFORMATION SET FORTH HEREON IS TRUE TO THE BEST OF HIS KNOWLEDGE.

William A. Sheldon

SIGNATURE OF APPLICANT(S)

Exhibit A - Location Map
B - Legal Description of District
C - Resolution per CRS-37-90-137(8)

Omit CJM 1/4/90
Exhibit D - Nontributary Ground Water Landownershi
E - Nontributary Ground Water Consent Clai

WELL 8A

Form No. GWS-25

OFFICE OF THE STATE ENGINEER
COLORADO DIVISION OF WATER RESOURCES

818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203
(303) 866-3581

EXST

WELL PERMIT NUMBER 62679 -F -
DIV. 2 WD 10 DES. BASIN MD

APPLICANT

RECEIVED
AUG 2 0 2009

GMS, INC.
DONALA WATER & SANITATION DISTRICT
C/O PETROCK & FENDEL, PC
700 17TH ST #1800
DENVER, CO 80202-

(303) 534-0702

APPROVED WELL LOCATION
EL PASO COUNTY
SW 1/4 SW 1/4 Section 21
Township 11 S Range 66 W Sixth P.M.

DISTANCES FROM SECTION LINES
40 Ft. from South Section Line
45 Ft. from West Section Line

UTM COORDINATES (Meters,Zone:13,NAD83)
Easting: Northing:

CHANGE/EXPANSION OF USE OF 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 assure the applicant 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), the decree granted in case no. 01CW140, Division 2 Water Court, and the Donala Water and Sanitation District Plan for Augmentation approved by the Division 2 Water Court in case no. 04CW22. If the well is not operated in accordance with the terms of said decrees, it will be subject to administration including orders to cease diverting water.
4) Approved for the expanded use of an existing well constructed under permit no. 60969-F. Permit no. 60969-F has been canceled by order of the State Engineer.
5) The use of ground water from this well is limited to municipal use by the Donala Water & Sanitation District.
6) The pumping rate of this well shall not exceed 800 GPM.
7) The allowed average annual amount of ground water to be withdrawn by this well in combination with all other wells included in the Arapahoe aquifer well field as designated in case no. 04CW22 shall not exceed 366.9 acre-feet, decreed as follows: 66.7 acre-feet ("AF") nontributary in case no. 01CW140; 24.6 AF not-nontributary ("NNT") in case no. 01CW140 pursuant to the augmentation plan in case no. 04CW22; 93.5 AF (NNT) in case no. 85CW7 pursuant to the augmentation plan in case no. 91CW16; 14.9 AF (NNT) in case no. 97CW61 pursuant to the augmentation plan in case no. 97CW61; and, 167 AF (NNT) in case no. 97CW161 pursuant to the augmentation plan in case no. 99CW6.
8) Pursuant to case no. 04CW22, the 66.7 AF of nontributary ground water decreed in case no. 01CW140 must be accounted for as being withdrawn first through this well structure, and the remaining 300.2 AF of NNT ground water (decreed as referenced in Condition of Approval No. 7) withdrawn second.
9) Production is limited to the Arapahoe aquifer which is located 1,860 feet below land surface and extends to a depth of 2,320 feet.
10) The owner shall mark the well in a conspicuous place 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.

APPROVED
JWB

Hal D. Simpson
State Engineer

BY

Receipt No. 0537593 DATE ISSUED 05-20-2005 EXPIRATION DATE 05-20-2006

Receipt No. 0537593 **WELL PERMIT NUMBER** 62679 -F - Page 2

ISSUANCE OF THIS PERMIT DOES NOT CONFER A WATER RIGHT

CONDITIONS OF APPROVAL

11) Totalizing flow meters must be installed on this well and all other wells used in combination with this well for the withdrawal of ground water as defined in Condition of Approval No. 7. The meters must be maintained in good working order. Permanent records of all diversions must be maintained by the well owner and reported to the Division Engineer for Water Division 2 on a monthly basis.

12) Pursuant to CRS 37-90-137(9)(b) and the Denver Basin Rules, no more than 98% of the nontributary ground water withdrawn annually shall be consumed and the well owner shall demonstrate to the reasonable satisfaction of the State Engineer that no more than 98% of the water withdrawn will be consumed.

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

14) This well shall be at least 600 feet from any existing well completed in the same aquifer that is not owned by the applicant, and not more than 200 feet from the location specified on this permit.

NOTE: The ability of this well to withdraw its authorized amount of water from this non-renewable aquifer may be less than the 100 years upon which the amount of water in the aquifer is allocated, due to anticipated water level declines.

NOTE: The owner's well designation is Well 8A.

NOTE: The existing permanent pump test report for this well indicates a pumping rate of 450 GPM. A revised or supplemental permanent pump test report, supporting any higher claimed pumping rate, must be submitted to this office prior to the expiration date of the permit.

JB. 5/20/2005

Form No. GWS-25

OFFICE OF THE STATE ENGINEER
COLORADO DIVISION OF WATER RESOURCES

818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203
(303) 866-3581

WELL 9A

LIC

WELL PERMIT NUMBER 62584 -F -
DIV. 2 WD 10 DES. BASIN MD

APPLICANT

RECEIVED
AUG 20 2009

GMS, INC.

DONALA WATER & SANITATION DISTRICT
15850 HOLBEIN
COLORADO SPRINGS, CO 80921-

(719) 488-3603

APPROVED WELL LOCATION
EL PASO COUNTY
SW 1/4 NE 1/4 Section 1
Township 12 S Range 67 W Sixth P.M.

DISTANCES FROM SECTION LINES
2050 Ft. from North Section Line
1550 Ft. from East Section Line

UTM COORDINATES (Meters,Zone:13,NAD83)
Easting: Northing:

PERMIT TO CONSTRUCT A 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(2) as an alternate point of diversion to wells 2A (permit no. 27229-F) and 3A (permit no. 34671-F) decreed by the Division 2 Water Court in case nos. W-4216 and 95CW111. The operation of this well, decreed as well no. 9A, is subject to the terms and conditions of the change of water right decreed in case no. 04CW113.
4) Approval of this alternate point of diversion shall not result in an expanded use of ground water. The use of ground water from this well is limited to municipal use in a unified municipal water supply system within the Donala Water and Sanitation District.
5) Production is limited to the Arapahoe Aquifer. Plain case and seal to a minimum depth of 715 feet or the top of the Arapahoe Aquifer, whichever is deeper. The maximum depth shall not exceed 1,085 feet below ground surface.
6) This well is subject to administration by the Division Engineer in accordance with applicable decrees, statutes, rules, and regulations.
7) This well shall not be pumped unless operated in accordance with the Amended Rules and Regulations Governing the Diversion and Use of Tributary Ground Water in the Arkansas River Basin.
8) The pumping rate of this well shall not exceed 750 GPM. The simultaneous maximum pumping rate of this well, well 2A (permit no. 27229-F), well 3A (permit no. 34671-F), and Well 4A (permit no. 55359-F) shall not exceed 1,025 GPM.
9) The combined average annual amount of ground water to be appropriated by this well, well 2A (permit no. 27229-F), well 3A (permit no. 34671-F), and Well 4A (permit no. 55359-F) shall not exceed 825 acre-feet.
10) The owner shall mark the well in a conspicuous place 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 metering method must be established for this well pursuant to the Amended Rules Governing the Measurement of Tributary Ground Water Diversions Located in the Arkansas River Basin. (Contact the Water Division 2 Office for a list of approved well testers.)
12) This well shall be constructed at least 600 feet from any existing well, completed in the same aquifer, that is not owned by the applicant.
13) This well shall be constructed not more than 200 feet from the location specified on this permit.

May 5, 2005

APPROVED
DDW

Hal D. Simpson
State Engineer

Don West
By

Receipt No. 0534199 DATE ISSUED 05-05-2005 EXPIRATION DATE 05-05-2006

Form No.
GWS-25

OFFICE OF THE STATE ENGINEER
COLORADO DIVISION OF WATER RESOURCES
818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203
(303) 866-3581

WELL 10 DA
UNEQUIPPED

LIC

WELL PERMIT NUMBER 087982 - F

APPLICANT

RECEIVED
AUG 20 2009

DIV. 2 CNTY. 21 WD 10 DES. BASIN ___ MD ___

GMS, INC.

DONALA WTR & SAN DIST
14510 BERUMDA DUNES WAY
CO SPGS, CO 80908

APPROVED WELL LOCATION

COUNTY EL PASO

NE 1/4 NE 1/4 Section 31

Twp 11 S, Range 66 W S P.M.

DISTANCES FROM SECTION LINES

315 Ft. from North Section Line

600 Ft. from East Section Line

PERMIT TO CONSTRUCT A 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 the permit does not assure the applicant 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) Approved pursuant to CRS 37-90-137(4) and CRS 37090-137(10) for the issuance of an additional well (designated DA-10) to well nos. 31263-F (DA-5) and 37503-F (DA-12).

3) The combined average annual amount of ground water to be appropriated by this well and well nos. 31263-F and 37503-F shall not exceed 249 acre-feet.

4) The simultaneous maximum pumping rate of this well and well nos. 31263-F and 37503-F shall not exceed 225 GPM.

5) Production is limited to the Lower Dawson Aquifer which is located 130 feet below land surface and extends to a depth of 505 feet. Plain casing must be installed and sealed to prevent the withdrawal of ground water from other aquifers and the movement of ground water between aquifers.

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

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

8) Totalizing flow meters must be installed on this well and well nos. 31263-F and 37503-F, 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.

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

10) This well shall not be pumped unless included in a court approved plan for augmentation.

JTS 11/20/90

PERMIT EXPIRATION DATE EXTENDED TO November 21, 1992
A.C. 3/27/91

APPROVED:
JS

State Engineer

By

Receipt No. 0312426B

DATE ISSUED NOV 21 1990

EXPIRATION DATE NOV 21 1991

Form No. GWS-25

OFFICE OF THE STATE ENGINEER
COLORADO DIVISION OF WATER RESOURCES
818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203
(303) 866-3581

WELL 11 DV

DRILLER'S COPY

LIC

RECEIVED
AUG 20 2009

APPLICANT

GMS, INC.

WELL PERMIT NUMBER 049715 - F -

DIV. 2 CNTY. 21 WD 10 DES. BASIN MD

Lot: Block: Filing: Subdiv:

DONALA WATER & SANITATION DIST
% HOLLY HOLDER PC
518 17TH ST #1500
DENVER CO 80202-

(303)534-3636

APPROVED WELL LOCATION
EL PASO COUNTY

SW 1/4 NW 1/4 Section 32
Twp 11 S RANGE 66 W 6th P.M.

DISTANCES FROM SECTION LINES
2600 Ft. from North Section Line
500 Ft. from West Section Line

PERMIT TO CONSTRUCT A 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 the permit does not assure the applicant 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) and the decree granted in case no. 97CW61, Division 2 Water Court for a well designated DV-11A. The operation of this well is subject to the terms and conditions of that decree and the following additional Division 2 Water Court decrees: 90CW45, 85CW7, 91CW16/93CW85, and 95CW111.

4) Production is limited to the Denver aquifer which is located 570 feet below land surface and extends to a depth of 1,280 feet. Plain casing must be installed and sealed to prevent the withdrawal of ground water from other aquifers and the movement of ground water between aquifers.

5) The maximum pumping rate shall not exceed 350 GPM.

6) The allowed average annual amount of ground water to be withdrawn from this well in combination with the other wells included in the above referenced decrees is 465 acre-feet.

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

8) A totalizing flow meter must be installed on the 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.

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

10) This well shall be constructed at least 600 feet from any existing well in the Denver aquifer.

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

NOTE: The ability of this well to withdraw its authorized amount of water from this non-renewable aquifer may be less than the 100 years upon which the amount of water in the aquifer is allocated, due to anticipated water level declines.

12) Condition no. 4 amended such that the production is limited to a depth not to exceed an elevation of 5,930 feet. KVH 5-15-98

APPROVED
KVH

Hal D. Simpson
State Engineer

Dick Wolfe
By

Receipt No. 0426000

DATE ISSUED APR 20 1998

EXPIRATION DATE APR 20 1999

Form No. GWS-25

OFFICE OF THE STATE ENGINEER
COLORADO DIVISION OF WATER RESOURCES

818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203
(303) 866-3581

WELL 12A

LIC

RECEIVED
AUG 20 2009

APPLICANT

GMS, INC.

DONALA WATER & SANITATION
% HOLLY I HOLDER PC
518 17TH ST #1500
DENVER CO 80202-

(303)534-3636

CHANGE/EXPANSION OF USE

WELL PERMIT NUMBER 049357 - F -

DIV. 2 CNTY. 21 WD 10 DES. BASIN MD

Lot: Block: Filing: Subdiv:

APPROVED WELL LOCATION
EL PASO COUNTY

NE 1/4 SW 1/4 Section 29
Twp 11 S RANGE 66 W 6th P.M.

DISTANCES FROM SECTION LINES
2450 Ft. from South Section Line
2500 Ft. from West Section Line

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 the permit does not assure the applicant 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) and the decree granted for well no. A-1 (A12) in case no. 95CW111, Division 2 Water Court. The operation of this well is subject to the terms and conditions of said decree.
4) This well may be used as an alternate point of diversion to the other wells decreed by the Division Water Court Case no. 95CW111 subject to the limitation set forth in said decree.
5) The maximum pumping rate shall not exceed 500 GPM.
6) The maximum annual amount of ground water to be appropriated shall not exceed 500 acre-feet. The combined annual amount of ground water to be appropriated by this well and well nos. 2A & 3A shall not exceed 500 acre-feet.
7) The use of ground water from this well is limited to use within the Donala Water and Sanitation District's service area.
8) This well shall be located at least 600 feet from any existing well completed in the same aquifer that is not owned by the applicant. This well shall be located not more than 200 feet from the location specified on this permit.
9) The owner shall mark the well in a conspicuous place 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.
10) Totalizing flow meters must be installed on this well and well nos. 2A & 3A, 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.
11) This well is subject to administration by the Division Engineer in accordance with applicable decrees, statutes, rules, and regulations.
12) Approved to change the use of an existing well constructed under permit no. 47623-F. Use of this permit cancels permit no. 47623-F.

OWNER'S COPY

APPROVED
HCF

Hal D. Simpson
State Engineer

By Dick Wolfe

Receipt No. 0421820 DATE ISSUED DEC 19 1997 EXPIRATION DATE DEC 19 1998

Form No. GWS-25

OFFICE OF THE STATE ENGINEER
COLORADO DIVISION OF WATER RESOURCES

818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203
(303) 866-3581

WELL 13 DV

LIC

PUMP INSTALLER'S COPY

APPLICANT

WELL PERMIT NUMBER 052386 - F -

DIV. 2 WD 10 DES. BASIN MD

DONALA WATER & SANITATION DIST
% HOLLY I HOLDER
518 17TH ST #1500
DENVER, CO 80202

(303) 534-3636

RECEIVED
AUG 20 2009
GMS, INC.

APPROVED WELL LOCATION
EL PASO COUNTY
NW 1/4 SE 1/4 Section 31
Township 11 S Range 66 W Sixth P.M.

DISTANCES FROM SECTION LINES
1500 Ft. from South Section Line
1350 Ft. from East Section Line

PERMIT TO CONSTRUCT A 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 assure the applicant 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) for production of water decreed in case nos. 85CW7, 90CW45, and 97CW61. This well must be operated in accordance with the well fields and plans for augmentation decreed by the Division 2 Water Court in case nos. 91CW16/93CW85 (consolidated), 95CW111, and 97CW61. If this well is not operated in accordance with the terms of said decrees, it will be subject to administration including orders to cease diverting water.
4) The maximum pumping rate of this well shall not exceed 350 GPM.
5) The average annual amount of ground water to be appropriated by this well in combination with all wells in its well field shall not exceed 465 acre-feet.
6) 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.
7) The owner shall mark the well in a conspicuous place 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.
8) Production is limited to the Denver aquifer which is located 360 feet below land surface and extends to depth of 1,050 feet. Plain casing must be installed and grouted to prevent the withdrawal of ground water from other aquifers and the movement of ground water between aquifers.
9) This well shall be constructed at least 600 feet from any existing well completed in the same aquifer that is not owned by the applicant. This well shall be constructed not more than 200 feet from the location given on this permit.
10) The entire length of the hole shall be geophysically logged as required by the Statewide Nontributary Ground Water Rules prior to installing casing.
11) This permit has been approved with distances from section lines other than applied for to distingiush it from well no. 25478-F. You are hereby notified that you have the right to appeal the issuance of this permit, by filing a written request with this office within sixty (60) days of the date of issuance, pursuant to the State Administrative Procedures Act. (See Section 24-4-104 through 106, C.R.S.)

NOTE: The ability of this well to withdraw its authorized amount of water from this non-renewable aquifer may be less than the 100 years upon which the amount of water in the aquifer is allocated, due to anticipated water level declines.

APPROVED
KVH

Hal D. Simpson
State Engineer

Keith Vander Horst
By

Receipt No. 0443701

DATE ISSUED AUG 27 1999

EXPIRATION DA AUG 27 2000

Form No. GWS-25

OFFICE OF THE STATE ENGINEER
COLORADO DIVISION OF WATER RESOURCES

818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203
(303) 866-3581

WELL 14A

LIC

RECEIVED
AUG 20 2009

WELL PERMIT NUMBER 65096 -F -
DIV. 2 WD 10 DES. BASIN MD

APPLICANT

GMS, INC.

DONALA WATER & SANITATION DISTRICT
15850 HOLBEIN
COLORADO SPRINGS, CO 80921-

(719) 488-3603

APPROVED WELL LOCATION
EL PASO COUNTY
SW 1/4 SW 1/4 Section 28
Township 11 S Range 66 W Sixth P.M.

DISTANCES FROM SECTION LINES
50 Ft. from South Section Line
454 Ft. from West Section Line

UTM COORDINATES (Meters,Zone:13,NAD83)
Easting: 517955 Northing: 4323070

PERMIT TO CONSTRUCT A 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 assure the applicant 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 Donala Water and Sanitation District Plan for Augmentation approved by the Division 2 Water Court in case nos. 93CW85, 97CW61, 99CW6 and 04CW22. If the well is not operated in accordance with the terms of said decrees, it will be subject to administration including orders to cease diverting water.
4) The use of ground water from this well is limited to municipal use and those other uses as decreed by the Division 2 Water Court in case no. 01CW140 for the Donala Water & Sanitation District.
5) The pumping rate of this well shall not exceed 800 GPM.
6) The allowed average annual amount of ground water to be withdrawn by this well in combination with all other Arapahoe aquifer wells withdrawing not nontributary ground water that are included in this plan for augmentation shall not exceed 300.2 acre-feet, decreed as follows: 93.5 acre-feet ("AF") in case no. 93CW85; 14.9 AF in case no. 97CW61; 167 AF in case no. 99CW6 and 24.8 acre-feet in case no. 04CW22.
7) Production is limited to the Arapahoe aquifer which is located 1,445 feet below land surface and extends to a depth of 2,050 feet, as requested by the applicant's consultant. Plain casing must be installed and grouted to prevent the withdrawal of ground water from other aquifers and the movement of ground water between aquifers.
8) Approved for construction of a rat hole and sump not to exceed 40 feet below the base of the lowest Arapahoe aquifer sands as determined by geophysical logging.
9) The owner shall mark the well in a conspicuous place 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.
10) Totalizing flow meters must be installed on this well and all other wells used in combination with this well and maintained in good working order. Permanent records of all diversions must be maintained by the well owner and reported to the Division Engineer for Water Division 2 on a monthly basis.
11) This well shall be constructed at least 600 feet from any existing well completed in the same aquifer that is not owned by the applicant, and not more than 200 feet from the location specified on this permit.

Permit Expiration Date Extended to November 22, 2008 - AOT 10-12-07

APPROVED
JWB

Hal D. Simpson
State Engineer

By

Receipt No. 3610334 DATE ISSUED 11-22-2006 EXPIRATION DATE 11-22-2007

ISSUANCE OF THIS PERMIT DOES NOT CONFER A WATER RIGHT

CONDITIONS OF APPROVAL

12) 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.

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

NOTE: The ability of this well to withdraw its authorized amount of water from this non-renewable aquifer may be less than the 100 years upon which the amount of water in the aquifer is allocated, due to anticipated water level declines.

NOTE: The owner's well designation is Well 14A.

NOTICE: This permit has been approved subject to the following changes: the well location distances from section lines were calculated from UTM coordinate values as determined by personnel of the Colorado Division of Water Resources based on a field inspection conducted on 11/7/2006. You are hereby notified that you have the right to appeal the issuance of this permit, by filing a written request with this office within sixty (60) days of the date of issuance, pursuant to the State Administrative Procedures Act. (See Section 24-4-104 through 106, C.R.S.)

JWB. 11/22/2006

APPENDIX C – WATER RIGHTS – CASE NO. W-4215, 90CW45, 97CW61 AND 97CW218

Exhibit B

RECEIVED
MAY 09 '75
WATER RESOURCES
STATE ENGINEER
COLO.

MAY - 8 '75 AM
CLERK

IN THE DISTRICT COURT IN AND FOR
WATER DIVISION NO. 2
STATE OF COLORADO

CASE NO. W-4216

IN THE MATTER OF THE APPLICATION FOR WATER RIGHTS OF

DONALA WATER AND SANITATION DISTRICT

WELLS IN DAWSON ARKOSE FORMATION, MONUMENT CREEK DRAINAGE BASIN, ARKANSAS RIVER BASIN

IN EL PASO COUNTY

RULING OF REFEREE

CENTRAL FILES

Pursuant to Order of Referral filed and entered in the above case on January 14, 1975, the undersigned Water Referee, having investigated the matter of the application on file herein, hereby makes the following findings and ruling thereon:

FINDINGS OF FACT

1. That the said application was filed on January 14, 1975.

2. That the Water Clerk caused publication of such filing as provided by statute; that the time for filing Statements of Opposition expired on the last day of March, 1975, and that none has been filed.

3. That the said application concerns three wells located in El Paso County, Colorado, and used for municipal purposes.

4. That the said wells are not exempt wells as defined in CRS 1973, 37-92-602.

5. That Applicant claims as follows:

A. That the water source for Wells No. 1, 2, and 3 is not tributary to, or available to, surface water rights inasmuch as the said water source is the Dawson-Arkose formation.

B. That it be allowed to use and reuse the water herein claimed pursuant to Section 37-82-106, CRS 1973.

6. That Applicant's Exhibits "A" and "B" constitute evidence that the Office of the State Engineer notified Applicant's precedent on February 1, 1974, that permits previously issued for Donala Well No. 2 and Donala Well No. 3 had been cancelled because of non-compliance with Section 37-90-137, CRS 1973.

7. That in accordance with Section 37-92-302, CRS 1973, this Court has jurisdiction over Donala Well No. 2 and Donala Well No. 3, as well as over Donala Well No. 1.

8. That Applicant, in accordance with the well permit stipulation, asks that the combined annual production of the three aforesaid wells be limited to 1,400 acre feet.

9. That Applicant has furnished acceptable proof as to claims made in it's application and, although Applicant showed negligence in not complying promptly with the statutes governing well permits, the undersigned Water Referee does not believe the circumstances can justify a denial of the rights claimed for Donala Well No. 2 and No. 3. Further, it is obvious that the State Engineer has determined that water was avaible in the named underground formation before he granted the permits for the two said wells, and the violation herein concerned had to do with Applicant's failure to file compliance forms before a certain date.

IT IS, THEREFORE, ORDERED AS FOLLOWS: That Applicant be, and is hereby, awarded certain absolute underground water rights, to-wit:

NAME AND ADDRESS: DONALA WATER and SANITATION DISTRICT
a quasi-municipal Colorado corporation
13805 Donala Drive
Colorado Springs, Colorado 80908

UNDERGROUND WATER RIGHT

NAME OF WELL: Donala Well No. 1.

LOCATION OF WELL: Part of Lot 1, Block 2, Donala Subdivision No. 1, El Paso County, Colorado, more particularly described as follows:

That portion of the Northwest Quarter of the Southwest Quarter, of Section 6, Township 12 South, Range 66 West of the 6th P.M., more particularly described as follows:

Commencing at the Southwest Corner of Northwest Quarter of the Southwest Quarter of said Section 6; thence North 0°05'09" West on the West line of said Section 6 a distance of 421.53 feet; thence North 89°54'51" East a distance of 20.49 feet to the Point of Beginning, said point also being the most Westerly corner of the described tract; thence North 41°34'53" East a distance of 25 feet; thence South 48°25'07" East a distance of 40 feet; thence South 41°34'53" West a distance of 25 feet; thence North 48°25'07" West a distance of 40 feet to the Point of Beginning; containing 0.02 acres more or less.

DEPTH: 1,154 feet.

PRIORITY DATE: April 11, 1972, provided, however, that this right shall be junior to all priorities awarded in cases filed prior to 1975, and otherwise junior as provi in CRS 1973, 37-92-306.

AMOUNT OF WATER: 0.888 c.f.s., or 400 g.p.m.

USE OF WATER: Municipal.

STATE ENGINEER'S WELL NUMBER: 016140-F.

MEANS OF DIVERSION: Well and pump.

UNDERGROUND WATER RIGHT

NAME OF WELL: DONALA WELL NO. 2.

LOCATION OF WELL: Part of Lot 8, Block 12, Donala Subdivision No. 2, El Paso County, Colorado, more particularly described as follows:

That portion of the Southwest Quarter of the Southwest Quarter of Section 31, Township 11 South, Range 66 West of the 6th P.M., more particularly described as follows:

Commencing at the Southwest Corner of said Section 31; thence North 0°00'09" East on the West line of said Section 31 a distance of 80 feet; thence South 89°59'51" East a distance of 56 feet to the Point of Beginning, said point also being the Northwest corner of described tract; thence South 89°59'51" East a distance of 40 feet; thence South 0°00'09" West a distance of 25 feet; thence North 89°59'51" West a distance of 40 feet; thence North 0°00'09" East a distance of 25 feet to the Point of Beginning, containing 0.02 acres more or less.

DEPTH: 1130 feet.

PRIORITY DATE: April 11, 1972, provided, however, that this right shall be junior to all priorities awarded in cases filed prior to 1975, and otherwise junior as provid in CRS 1973, 37-92-306.

AMOUNT OF WATER: 0.833 c.f.s., or 375 g.p.m.

USE OF WATER: Municipal.

STATE ENGINEER'S WELL NUMBER: 016143-F. Permit cancelled February 1, 1974, in accordance with Section 37-90-137, CRS 1973.

MEANS OF DIVERSION: Well and pump.

UNDERGROUND WATER RIGHT

NAME OF WELL: DONALA WELL NO. 3.

LOCATION OF WELL: Part of Lots 11 and 12, Block 35, Donala Subdivision No. 3, El Paso County, Colorado, more particularly described as follows:

That portion of the Southwest Quarter of the Northwest Quarter of Section 31, Township 11 South, Range 66 West of the 6th P.M., more particularly described as follows:

Commencing at the Southwest Corner of the Southwest Quarter of the Northwest Quarter of said Section 31; thence North 0°01'15" West a distance of 107 feet; thence North 89°58'45" East a distance of 23 feet to the Point of Beginning, said point also being the Northwest corner of the described tract, thence North 89°58'45" East a distance of 40 feet; thence South 0°01'45" East a distance of 25 feet; thence South 89°58'45" West a distance of 40 feet; thence North 0°01'15" West a distance of 25 feet to the Point of Beginning; containing 0.02 acres more or less.

DEPTH: 1,271 feet.

PRIORITY DATE: April 11, 1972, provided, however, that this right shall be junior to all priorities awarded in cases filed prior to 1975, and otherwise junior as provi in CRS 1973, 37-92-306.

AMOUNT OF WATER: 0.555 c.f.s., or 250 g.p.m.

USE OF WATER: Municipal.

STATE ENGINEER'S WELL NUMBER: 016141-F. Permit cancelled February 1, 1974, in accordance with Section 37-90-137, CRS 1973.

MEANS OF DIVERSION: Well and pump.

IT IS FURTHER ORDERED AS FOLLOWS:

A. That the source from which the three wells herein described derive their water supply be, and is hereby, determined to be not tributary to surface water systems.

B. That Applicant be, and is hereby, awarded the right to the use and reuse of the water produced by the aforesaid three wells as long as such water is identifiable in accordance with Section 37-82-106, CRS 1973.

C. That water produced by the aforesaid three wells shall not exceed in the aggregate 1,400 acre feet during any one calendar year.

IT IS FURTHER ORDERED That applicant shall install and maintain such water measurement devices, recording devices, content gauges and inlet and outlet measurement and recording devices, as the case may be, as are deemed essential by the Office of the State Engineer, and the same shall be installed and operated in accordance with instructions from said Office.

IT IS FURTHER ORDERED That copies of this ruling shall be mailed as provided by statute.

Dated and filed with the Water Clerk this 8th day of MAY, A. D. 1975.

BY THE REFEREE:

Water Referee, Water Division No. 2
State of Colorado

DISTRICT COURT
WATER DIVISION NO. 2
STATE OF COLORADO
Certified to be a full, true and correct copy of original on file.
Date: MAY - 8 1975
PRISCILLA S. LUCERO, CLERK
By: Deputy Clerk

COPY

DISTRICT COURT, WATER DIVISION NO. 2, STATE OF COLORADO

Case No. 90CW45

RULING OF REFEREE

Filed in the office of the Clerk, District Court Water Division No. 2, State of Colorado

DEC 19 1991

Clerk

CONCERNING THE APPLICATION FOR WATER RIGHTS OF

DONALA WATER AND SANITATION DISTRICT IN THE LOWER DAWSON, DENVER, ARAPAHOE AND LARAMIE-FOX HILLS AQUIFERS

IN EL PASO COUNTY.

The Application for water rights of the Donala Water and Sanitation District came before the Referee. The Referee has reviewed the pleadings, the evidence presented and the stipulations of the parties. The Referee is fully advised regarding this Application and hereby enters the following Ruling.

FINDINGS OF FACT

1. The name and address of the Applicant is:

Donala Water and Sanitation District
14510 Bermuda Dunes Way
Colorado Springs, CO 80908
(719) 488-3603

2. The Application in Case No. 90CW45 was filed with the Water Clerk, Water Division No. 2, by the Donala Water and Sanitation District, hereinafter "Applicant" or "District", on November 28, 1990 pursuant to C.R.S. 37-92-302(1)(a). The Application was amended on July 10, 1991. Timely and adequate notice of the filing of the Application and Amended Application was given as required by Statute.

3. Timely Statements of Opposition to the Application were filed by:

a. The City of Colorado Springs;
b. Forest Lakes Metropolitan District.

The time for filing additional Statements of Opposition has expired. No persons or parties have entered their appearance herein. Statements of opposition to the Application have been resolved.

4. Timely notices of the pendency of these proceedings in rem have been given in the manner prescribed by statute.

5. The Court has jurisdiction over the subject matter of this proceeding and over all parties affected by it whether they have appeared or not.

6. The land and water rights involved in this Application are not included within the boundaries of any designated ground water basin.

7. Applicant seeks a decree granting it rights to all not non-tributary and non-tributary legally available underground water as determined by the State Engineer in his Findings of Fact in support of approved Permit Applications for the 8 proposed well structures to be constructed on 1036 acres of the Applicant's 1256 acre service area in Section 31, Township 11 South, Range 66 West, 6th P.M., Section 6, Township 12 South, Range 66 West, 6th P.M., and Section 1, Township 12 South, Range 67 West, 6th P.M. Water rights in the Denver, Arapahoe and Laramie Fox Hills aquifers have been decreed earlier in Case 85CW7 on 220 acres in Section 29 of the District's service area.

The boundaries of the aforementioned 1036 acres and its legal description are identified and described on Exhibits A and B respectively, attached hereto and by reference incorporated herein. Applicant claims the right to the aforementioned underground waters pursuant to C.R.S. 37-90-137(8) and District Resolution #2 dated August 20, 1985. The locations of the proposed wells described in paragraph 8 hereof are set out on Exhibits C, D, and E attached hereto.

8. The legal description and statistics of the proposed well structures abstracted from approved Permit Applications follows:

Lower Dawson Aquifer Wells: Exhibit C

a. DA-5 - Permit #31263-F (Constructed)

1. Legal Description: Located in the NW1/4 NE1/4 of Section 6, Township 12 South, Range 66 West of the 6th P.M. at a point 750 feet south of the north section line and 2740 feet east of the west section line of said Section 6.

2. Source of Water - Classification: Ground water in the Lower Dawson Aquifer underlying the land area identified and described in Exhibits A and B. Not non-tributary ground water.

3. Depth of Well - Producing Zone: Estimated depth 220 feet with full penetration of the Lower Dawson Aquifer. Producing water from 40 to 220 feet below ground surface.

4. Amount of Water Claimed - Production Rate: An average of 40 acre feet annually; 40 gallons per minute.

5. Requirement for Use of Water: Court approved Plan of Augmentation for consumptive use.

b. DA-10 - Permit #37982-F

1. Legal Description: Located in the NE/4NE/4 of Section 31, Township 11 South, Range 66 West of the 6th P.M. at a point 315 feet south of the north section line and 600 feet west of the east section line of said Section 31.

2. Source of Water - Classification: Ground water in the Lower Dawson Aquifer underlying the land area identified and described in Exhibits A and B. Not non-tributary ground water.

3. Depth of Well - Producing Zone: Estimated depth 505 feet with full penetration of the Lower Dawson Aquifer. Producing water from 130 to 505 feet below ground surface.

4. Amount of Water Claimed - Production Rate: An average of 90.1 acre feet annually; 120 gallons per minute.

5. Requirement for Use of Water: Court approved plan of augmentation for consumptive use.

c. DA-12 - Permit #37503-F

1. Legal Description: Located in the SW/4NW/4 of Section 6, Township 12 South, Range 66 West of the 6th P.M. at a point 1980 feet south of the north section line and 800 feet east of the west section line of said Section 6.

2. Source of Water - Classification: Ground water in the Lower Dawson Aquifer underlying the land area identified and described in Exhibits A and B. Not non-tributary ground water.

3. Depth of Well - Producing Zone: Estimated depth 100 feet with full penetration of the Lower Dawson Aquifer. Producing water from 40 to 100 feet below ground surface.

4. Amount of Water Claimed - Production Rate: An average of 30 acre feet annually; 40 gallons per minute.

5. Requirement for Use of Water: Court approved plan of augmentation for consumptive use.

6. Each well in the Lower Dawson Aquifer shall be the alternate point of diversion of water rights decreed herein for other wells in said Aquifer.

Denver Aquifer Wells: Exhibit D

d. DV-7 - Permit #36286-F

1. Legal Description: Located in the NE/4NE/4 of Section 31, Township 11 South, Range 66 West of the 6th P.M. at a point 300 feet south of the north section line and 620 feet west of the east section line of said Section 31.

2. Source of Water - Classification: Ground water in the Denver Aquifer underlying the land area identified and described in Exhibits A and B. Not non-tributary ground water.

3. Depth of Well - Producing Zone: Estimated depth 1230 feet with full penetration of the Denver Aquifer. Producing water from 515 to 1230 feet below ground surface.

4. Amount of Water Claimed - Production Rate: An average of 193 acre feet annually; 300 gallons per minute.

5. Requirement for Use of Water: Court approved plan of augmentation to replace 4 percent of water withdrawn annually to local water courses.

e. DV-11 - Permit #37983-F

1. Legal Description: Located in the NW/4SE/4 of Section 31, Township 11 South, Range 66 West of the 6th P.M. at a point 1850 feet north of the south section line and 1650 feet west of the east section line of said Section 31.

2. Source of Water - Classification: Ground water in the Denver Aquifer underlying the land area identified and described in Exhibits A and B. Not non-tributary ground water.

3. Depth of Well - Producing Zone: Estimated depth 1050 feet with full penetration of the Denver Aquifer. Producing water from 355 to 1050 feet below ground surface.

4. Amount of Water Claimed - Production Rate: An average of 57 acre feet annually; 300 gallons per minute.

5. Requirement for Use of Water: Court approved plan of augmentation for consumptive use.

6. Each well in the Denver Aquifer shall be the alternate point of diversion of water rights decreed herein for other wells in said Aquifer.

Arapahoe Aquifer Well: Exhibit D

f. A-6 - Permit #36285-F

1. Legal Description: Located in the NE/4NE/4 of Section 31, Township 11 South, Range 66 West of the 6th P.M. at a point 330 feet south of the north section line and 625 feet west of the east section line of said Section 31.

2. Source of Water - Classification: Ground water in the Arapahoe Aquifer underlying the land area identified and described in Exhibits A and B. Not non-tributary ground water.

3. Depth of Well - Producing Zone: Estimated depth 1685 feet with full penetration of the Arapahoe Aquifer. Producing water from 1270 to 1685 feet below ground surface.

4. Amount of Water Claimed - Production Rate: An average of 6.5 acre feet annually; 250 gallons per minute.

5. Requirement for Use of Water: Court approved plan of augmentation to replace 4 percent of water withdrawn annually to local water courses.

Laramie-Fox Hills Aquifer Wells: Exhibit E

g. L-FH-8 - Permit #36307-F

1. Legal Description: Located in the SW/4SE/4 of Section 31, Township 11 South, Range 66 West of the 6th P.M. at a point 100 feet north of the south section line and 1980 feet west of the east section line of said Section 31.

2. Source of Water - Classification: Ground water in the Laramie-Fox Hills Aquifer underlying the land area identified and described in Exhibits A and B. Non-tributary ground water.

3. Depth of Well - Producing Zone: Estimated depth 2230 feet with full penetration of the Laramie-Fox Hills Aquifer. Producing water from 1920 to 2230 feet below ground surface.

4. Amount of Water Claimed - Production Rate: An average of 143.5 acre feet annually; 200 gallons per minute.

5. Requirement for Use of Water: State Engineer's approval of plan to relinquish 2 percent of water withdrawn annually to local water courses.

h. L-FH-9 - Permit #36308-F

1. Legal Description: Located in the SW/4SW/4 of Section 31, Township 11 South, Range 66 West of the 6th P.M. at a point 175 feet north of the south section line and 44 feet east of the west section line of said Section 31.

2. Source of Water - Classification: Ground water in the Laramie-Fox Hills Aquifer underlying the land area identified and described in Exhibits A and B. Non-tributary ground water.

3. Depth of Well - Producing Zone: Estimated depth 2080 feet with full penetration of the Laramie-Fox Hills Aquifer. Producing water from 1760 to 2080 feet below ground surface.

4. Amount of Water Claimed - Production Rate: An average of 143.5 acre feet annually; 200 gallons per minute.

5. Requirement for Use of Water: State Engineer's approval of plan to relinquish 2 percent of water withdrawn annually to local water courses.

6. Each well in the Laramie-Fox Hills Aquifer shall be the alternate point of diversion of water rights decreed herein for other wells in said Aquifer.

Depths of wells listed above, water producing zones, and quantities of water to be produced are estimates subject to adjustment to actual values determined from site specific data derived from well construction pursuant to the Court's retained jurisdiction stated in paragraph 32. Statistics on wells from permits and findings of fact are summarized in Table I.

9. The Referee finds that production and use of ground water from the proposed wells and aquifers set out in paragraph 8, augmented for consumptive use where required, and with water relinquished to local water courses as indicated, all having been adjusted to reflect site specific data pursuant to the Court's retained jurisdiction, will not result in material injury to the owners of vested or conditionally decreed water rights.

10. The estimated quantities of water which may be withdrawn annually from the proposed well structures described in paragraph 8 were determined by the State Engineer using the following estimated specific yields and thicknesses of saturated materials as abstracted from his Findings of Fact supporting construction permits for the well structures.

Aquifer	Specific Yield	Saturated Material Thickness	Estimated Annual Water Withdrawal
Lower Dawson	20%	115 Feet	160.1 acre feet
Denver	17%	430 Feet	250.0 acre feet
Arapahoe	17%	255 Feet	6.5 acre feet
Laramie-Fox Hills	15%	185 Feet	287.0 acre feet

The Referee finds these values are reasonable estimates and may be used for these proceedings subject to adjustment when more precise data becomes available.

11. The Referee finds that there has been full and adequate notice of Applicant's claims.

12. Applicant requests the Referee to make a specific determination that it has the right to withdraw and use all legally

available unappropriated underground water in the Lower Dawson, Denver, Arapahoe, and Laramie-Fox Hills Aquifers underlying its service area with such withdrawals augmented and relinquished to water courses where required by applicable laws and regulations. Such right is hereby confirmed.

13. Applicant requests that it be allowed to adjust its authorized annual water withdrawals from the aquifers underlying its service area stated herein should adjustments be made to estimates of saturated material thicknesses and/or specific yields with corresponding adjustments for augmentation and water relinquishments. Applicant will furnish timely written notice to the Court and all who have appeared herein in advance of taking such action and will not amend or republish its application.

14. Applicant requests that it be authorized to withdraw more than the annual withdrawals of water indicated in paragraph 8 provided that the sum of the withdrawals of the wells in a given aquifer and decreed herein, as may subsequently be adjusted pursuant to paragraph 13 herein, does not exceed the product of the number of years since the date of issuance of the first well permit for such a well times the annual rate of 1 percent of the total amount of unappropriated water recoverable from the aquifer.

15. Should experience indicate the need for additional wells in a given aquifer to maintain authorized production levels and/or to recover the entire amount of water decreed in the aquifer, Applicant may apply to the State Engineer for supplemental well construction permits.

16. The proposed wells enumerated and identified in paragraph 8 will withdraw appropriated and decreed water from the Lower Dawson, Denver, Arapahoe, and Laramie-Fox Hills Aquifers underlying the District's service area for use therein. The water will supplement the water supply of an integrated water system serving the District's residents. Water from the aforementioned wells and aquifers will be used in the District for domestic, livestock, commercial, municipal, augmentation when appropriate, relinquishment to water course, exchange,

recreation, lease, sale and other disposition. The water will be used and reused as appropriate. It will be used as produced or stored for subsequent use for all the aforementioned uses. Decreed ground water produced by the District and disposed of by it shall carry the same rights of usage as granted the District.

17. The Referee finds that this Application is one contemplated by law. The Court has jurisdiction over this proceeding pursuant to C.R.S. 37-92-203 and 37-90-137(6) and over all persons affected by it whether they have appeared or not.

18. The Referee finds that the water rights determined herein are absolute and not conditional water rights as defined by C.R.S. 37-92-103(6) and that the provisions of C.R.S. 37-92-301(4) requiring application for finding of reasonable diligence are not applicable to the not non-tributary and non-tributary ground water rights awarded herein. C.R.S. 37-92-305(11).

19. Subject to the provisions of paragraph 20 below, the Applicant or its successors and assigns are entitled, pursuant to law to use, reuse, successively use and dispose of all non-tributary ground water or return flows of non-tributary water decreed herein. C.R.S. 37-82-106. This includes the right to the use of return flows from non-tributary ground water to replace out-of-priority depletions under a plan for augmentation approved by the Water Court. C.R.S. 37-82-106(2). Applicant also has the right to use, reuse, successively use and dispose of all not non-tributary ground water, the depletions from which are fully augmented in accordance with law.

20. The Court shall retain jurisdiction over the matter to revise the amount of ground water available for withdrawal annually from the aquifers to conform to the actual local aquifer characteristics encountered upon the drilling of test holes or wells. C.R.S. 37-92-305(11). This decree is final for all other purposes.

IT IS THEREFORE ORDERED AS FOLLOWS:

21. The foregoing Findings of Fact are incorporated herein as if set forth in full.

22. The Application of the Donala Water and Sanitation District for underground water rights in the Lower Dawson, Denver, Arapahoe, and Laramie-Fox Hills Aquifers underlying the District in El Paso County, Colorado, to be produced through their additional wells in the amounts and at rates set forth in paragraph 8 herein or subsequently adjusted by Order of the Court, it is granted subject to the limitations set forth hereinafter.

23. Applicant's claim to all legally available unappropriated ground water in the Lower Dawson, Denver, Arapahoe, and Laramie-Fox Hills Aquifers underlying its service area as identified and described Exhibits A and B is hereby confirmed.

24. Ground water produced from the Lower Dawson Aquifer is classified as not non-tributary water. The use of such water shall require an augmentation plan providing for depletion incurred in its use for the purposes enumerated in paragraph 27. A Court approved plan for augmentation is required prior to the use of such water pursuant to law. C.R.S. 37-90-137(9)(c).

25. Ground water produced from the Denver and Arapahoe Aquifers underlying certain areas of the District's service area delineated by the State Engineer are classified as not non-tributary requiring replacement of 4 percent of annual withdrawals to local water courses in accordance with a Court approved plan of augmentation secured prior to use of the water, which would include any post-pumping replacement of depletions, if required.

26. Ground water produced from the Denver and Arapahoe Aquifers underlying certain areas of the District's service area delineated by the State Engineer is classified as not non-tributary requiring augmentation for pumping and post-pumping depletions incurred in its use for the purposes enumerated in paragraph 27. A Court approved plan for augmentation is required prior to the use of such waters pursuant to law. C.R.S. 37-90-137(9)(c).

27. Ground water withdrawn from the Laramie-Fox Hills Aquifer is classified as non-tributary water. Water from this aquifer may be used, reused, successively used, leased, sold and otherwise disposed of for all purposes including domestic, livestock, commercial, industrial, municipal, exchange, storage, augmentation and recreation purposes and reused successively through recapture and reclaiming of return flows. Water produced may be applied to

immediate beneficial uses or may be stored for subsequent beneficial uses. Ground water whose use requires augmentation for depletion may be used only in accordance with a Court approved plan of augmentation. Any use of the water for augmentation shall be made in accordance with a Court approved plan for augmentation or a State Engineer approved temporary substitute supply or exchange plan approved prior to such use. Additionally, Applicant shall not consume by original use, reuse or successive use more than 98 percent of the annual amount of non-tributary ground water withdrawn from the Laramie-Fox Hills Aquifer with 2 percent of annual withdrawals relinquished to local water courses by any method selected by Applicant acceptable to the State Engineer.

28. The eight wells identified in paragraph 8 above, and their additional wells which may be required to fully recover all of the ground water legally available to Applicant from under 1036 acres of the District's service area shall be constructed and operated in accordance with the terms and conditions set forth in the permits which authorized the wells for construction and their supporting "Findings of Fact of the State Engineer." Should a conflict develop in either of the above with any part of this Ruling, the terms of the Ruling shall govern.

29. All of the wells and water rights decreed herein are part of a single water system. If any or all of the well permits for the wells decreed herein expire prior to Applicant's construction thereof, the following provisions shall apply:

a. The State Engineer shall consider the water rights granted herein as vested property rights pursuant to 37-92-305(11), C.R.S. (1989 Supp.)

b. When Applicant is prepared to drill any one or all of the wells decreed by this Ruling, it shall apply to the State Engineer for a well permit or permits, as appropriate.

30. With respect to well permits issued by the State Engineer's office pursuant to this Ruling, the following provisions shall apply:

a. The State Engineer shall consider the rights granted herein as valid and vested and shall consider the water sought by Applicant as appropriated until this Court rules otherwise.

b. Applicant may use this decree as proof of matters which have been finally determined herein for the purpose of any well construction permit applications for wells decreed herein.

c. In the event that any of the annual amounts of withdrawal decreed herein are modified in a proceeding held pursuant to paragraph 32 hereof, any existing permits for wells withdrawing water from the affected aquifer shall be amended to reflect such modified annual amounts. New permits for wells to withdraw water from the affected aquifers shall likewise reflect any such modification to the annual amounts approved herein.

31. In constructing any of the wells herein decreed, Applicant shall comply with the following conditions:

a. The entire length of the uncased bore hole shall be geophysically logged prior to installing casing. Such logs shall become the basis for the installation of unperforated casing, and perforated casing in the saturated sections of the permitted aquifer. Geophysical logs required as a minimum are a Spontaneous Potential (SP) log, a Dual Point Resistivity log (short and long normal recording) and a Natural Gamma Ray log on a scale of 1 inch equals 20 feet. Logs shall be submitted to the State Engineer within 60 days of well completion and to the Engineer for those filing statements of opposition.

b. Non-perforated casing shall be installed in the entire length of the bore hole except in the aquifer from which water is to be produced. In that aquifer, plain and perforated casing may be installed as appropriate and the bore hole upstream of the aquifer must be sealed with cement grout to prevent the movement of water and commingling of water among aquifers.

c. A totalizing flow meter must be installed on the well discharge line prior to placing water from the well to beneficial use and maintained in good working order.

d. Records of withdrawals of water from each well shall be kept with monthly meter readings of withdrawals as a minimum. Such records shall be submitted to the Division Engineer and to any objector upon request.

e. Wells shall be identified by permanent tags conspicuously placed in protected locations which state their permit numbers, the aquifer being tapped and the Court case number of the decree.

f. Any well decreed herein, or additional wells hereafter authorized for construction, if constructed within 200 feet of the above locations or other authorized locations, shall be deemed to have been drilled at the given location and shall not require prior approval of the Court or the State Engineer.

37. The Court retains jurisdiction over this Decree as follows:

a. The Court retains jurisdiction to adjust the average annual amounts of not non-tributary and non-tributary ground water available from the Lower Dawson, Denver, Arapahoe, and Laramie-Fox Hills Aquifers under the District to conform to actual local aquifer characteristics as determined from adequate information obtained from wells constructed, pursuant to 37-92-305(11), C.R.S. (1989 Supp.). Within 60 days after completion of any well decreed herein, or any test hole(s), Applicant or any successor in interest to these water rights shall serve copies of such data to objectors.

b. As such time as adequate data are available, any person including the State Engineer, may invoke the Court's retained jurisdiction to make a Final Determination of Water Rights. Within four months of notice of invoking retained jurisdiction, the State Engineer shall use the information available to him to make a final determination of water rights. The State Engineer shall submit such determination to the Water Court, to the Applicant and each party hereto upon request.

c. If no protest to such determination is made within 60 days, the Final Determination of Water Rights shall be incorporated into the decree by the Water Court. In the event of a protest, or in the event the State Engineer makes no determination within four months, such final determination shall be made by the Water Court after notice and hearing.

d. In the interim, the Court retains jurisdiction in this matter pursuant to 37-92-305(11), C.R.S. (1989 Supp.).

IT IS ORDERED that Applicant shall install and maintain such water measurement devices, recording devices, content gauges and inlet and outlet measurement and recording devices, as the case may be, as are deemed essential by the Office of the State Engineer, and the same shall be installed and operated in accordance with instructions from said Office.

IT IS FURTHER ORDERED that copies of this ruling shall be mailed as provided by statute.

Dated and filed with the Water Clerk this 19th day of December, 1991.

BY THE REFEREE:

Clyde B. Young, Jr., Water Referee

Filed in the office of the Clerk, District Court Water Division No. 2, State of Colorado

DEC 19 1991

Clerk

DISTRICT COURT, WATER DIVISION 2, COLORADO

Case No. 97CW61

DISTRICT COURT, WATER DIVISION 1, COLORADO

Case No. 97CW218

FINDINGS OF FACT, CONCLUSIONS OF LAW, JUDGMENT AND DECREE

CONCERNING THE APPLICATION FOR WATER RIGHTS OF DONALA WATER AND SANITATION DISTRICT,

IN EL PASO COUNTY.

THIS MATTER having come before the Water Judge upon the application of Donala Water and Sanitation District, for groundwater rights and approval of plan for augmentation. The Water Judge, having considered the pleadings, the stipulations of the parties, and the evidence presented, and being fully advised in the premises, it is hereby the Judgment and Decree of the Court.

FINDINGS OF FACT

1. Name and Address of Applicant:

Donala Water and Sanitation District
15850 Holbein Drive
Colorado Springs, Colorado 80921
(719) 488-3603

2. History of Case: The Applicant is represented by Holly I. Holder, P.C. The applications for underground water rights and approval of a plan for augmentation were filed in Case No. 97CW61 in Water Division 2 on July 29, 1997 and in Case No. 96CW218 in Water Division 1 on July 30, 1997. Statements of opposition were filed by the City of Colorado Springs and The American Baptist Churches of the Rocky Mountains in Case No. 97CW61. The Objectors have stipulated to the entry of this decree. No other statements of opposition have been filed, and the time for filing such statements has expired. A motion to consolidate the cases was filed before the Panel on Consolidated Multidistrict

Litigation in Case No. 97MDL32, and an order consolidating the cases in Water Division 2 was entered on December 3, 1997.

3. Subject matter jurisdiction: Timely and adequate notice of the applications was published as required by statute, and the Court has jurisdiction over the subject matter of this proceeding and over the parties affected hereby, whether they have appeared or not.

APPROVAL OF GROUND WATER RIGHTS

4. Aquifers and location of ground water: Applicant seeks a decree for rights to all ground water recoverable from the not nontributary Dawson, Denver, and Arapahoe aquifers and nontributary Laramie-Fox Hills aquifer underlying approximately 35 acres of land, located in the NW1/4 of Section 32, T11S, R66W of the 6th P.M., as more particularly described and shown on Attachment A hereto ("Subject Property"). The Subject Property is not located within the boundaries of a designated ground water basin.

5. Well locations, pumping rates and annual amounts: The ground water may be withdrawn at rates of flow necessary to efficiently withdraw the amounts decreed herein. The ground water will be withdrawn through any number of wells necessary, to be located at any location on the Subject Property, in the following annual amounts. Applicant hereby waives any 600 foot spacing rule for wells located on the Subject Property and wells located within the boundaries of the District:

Aquifer	Saturated Thickness	Amount
Dawson	185 feet	13.0 acre-feet(NNT)
Denver	470 feet	28.0 acre-feet(NNT)
Arapahoe	250 feet	14.9 acre-feet(NNT)
Laramie-Fox Hills	190 feet	10.0 acre-feet(NT)

The amounts conform with the values and amounts referenced in the State Engineer's Determination of Facts dated October 21, 1997.

6. Proposed use: The water withdrawn from the subject aquifers will be used, reused, successively used, and after use leased, sold, or otherwise disposed of for the following beneficial purposes: municipal, domestic, industrial, commercial,

irrigation, stock watering, recreational, fish and wildlife, and any other beneficial purpose, both on and off the Subject Property. Said water will be produced for immediate application to said uses, for storage and subsequent application to said uses, for exchange purposes, for replacement of depletions resulting from the use of water from other sources, and for augmentation purposes.

7. Final average annual amounts of withdrawal:

A. Final determination of the applicable average saturated sand thicknesses and resulting average annual amounts available to Applicant will be made pursuant to the retained jurisdiction of this Court, as described in paragraph 24 below. The Court shall use the acre-foot amounts in paragraph 5 herein in the interim period, until a final determination of water rights is made.

B. The allowed annual amount of ground water which may be withdrawn through the wells specified above and any additional wells, pursuant to Section 37-90-137(10), C.R.S., may exceed the average annual amount of withdrawal, as long as the total volume of water withdrawn through such wells and any additional wells therefor subsequent to the date of this decree does not exceed the product of the number of years since the date of the issuance of any well permits or the date of this decree, whichever is earliest in time, multiplied by the average annual amount of withdrawal, as specified above or as determined pursuant to the retained jurisdiction of the Court. However, amounts set forth in well permits will not be exceeded.

8. Source of ground water and limitations on consumption:

A. The ground water to be withdrawn from the Laramie-Fox Hills aquifers is "nontributary ground water" as defined in Section 37-90-103(10.5), C.R.S., and in the Denver Basin Rules, the withdrawal of which will not, within 100 years, deplete the flow of a natural stream, including a natural stream as defined in Section 37-82-101(2) and Section 37-92-102(1)(b), C.R.S., at an annual rate greater than 1/10 of 1% of the annual rate of withdrawal. The ground water to be withdrawn from the Dawson, Denver, and Arapahoe aquifers is "not nontributary" as defined in Sections 37-90-103(10.7) and 37-90-137(9)(c), C.R.S., and the Denver and Arapahoe aquifer groundwater decreed herein may be withdrawn pursuant to the augmentation plan decreed herein.

B. Applicant may not consume more than 98% of the annual quantity of water withdrawn from the nontributary Laramie-Fox Hills aquifer. The relinquishment of 2% of the annual amount of water withdrawn to the stream system, as required by the Denver Basin Rules effective January 1, 1986, may be satisfied by any method selected by the Applicant and satisfactory to the State Engineer, so long as Applicant can demonstrate that an amount equal to 2% of such withdrawals (by volume) has been relinquished to the stream system.

C. There is unappropriated ground water available for withdrawal from the subject aquifers beneath the Subject Property, and the vested water rights of others will not be materially injured by such withdrawals as described herein. Withdrawals hereunder are allowed on the basis of an aquifer life of 100 years, assuming no substantial artificial recharge within 100 years. No material injury to vested water rights of others will result from the issuance of permits for wells which will withdraw nontributary ground water or the exercise of the rights and limitations specified in this decree.

9. Additional wells and well fields:

A. Applicant may construct additional and replacement wells in order to maintain levels of production, to meet water supply demands or to recover the entire amount of groundwater in the subject aquifers underlying the Subject Property. As additional wells are planned, permit applications shall be filed in accordance with Section 37-90-137(10), C.R.S.

B. Two or more wells constructed into a given aquifer shall be considered a well field. In effecting production of water from such well field, Applicant may produce the entire amount which may be produced from any given aquifer through any combination of wells within the well field. In Case No. 95CW111, Applicant was granted approval well fields in the form of alternate points of diversion, whereby previously decreed wells are designated as alternate points of diversion for each other. The Denver and Laramie-Fox Hills aquifer groundwater decreed herein may be withdrawn in combination with the water associated with the wells as decreed in Case No. 95CW111 and as referenced below, through wells located on the Subject Property or within the boundaries of Applicant as shown on Attachment B hereto:

1. The Denver aquifer groundwater decreed herein may be withdrawn in combination with not nontributary Denver aquifer Well No. 7DV (193 acre-feet) and DV-11 (57 acre-feet) as decreed in Case No. 90CW45, District Court, Water Division 2, and Well No. DEN-1 (187 acre-feet) as decreed in Case No. 85CW7, District Court, Water Division 2, as long as the amount of water collectively withdrawn annually does not exceed 465 acre-feet annually (437 acre-feet associated with Wells 7DV, DV-11, and DEN-1 and 28 acre-feet decreed herein) as shown on Attachment A hereto. For purposes of this decree, the water associated with Wells 7DV, DV-11, and DEN-1 will be withdrawn first and the water which is the subject of this decree will be withdrawn second.

2. The Laramie-Fox Hills aquifer groundwater herein may be withdrawn in combination with nontributary Laramie-Fox Hills aquifer Well No. LFH-8 (143.5 acre-feet) and LFH-9 (143.5 acre-feet) as decreed in Case No. 90CW45, District Court, Water Division 2, and Well No. LFH-1 (66 acre-feet) as decreed in Case No. 85CW7, District Court, Water Division 2, as long as the amount of water collectively withdrawn annually does not exceed 363 acre-feet annually (353 acre-feet associated with Wells LFH-8, LFH-9, and LFH-1 and 10 acre-feet decreed herein), subject to the reservation of said water in the augmentation plan described below.

C. In considering applications for permits for wells or additional wells to withdraw the groundwater which is the subject of this decree, the State Engineer shall be bound by this decree and shall issue said permits in accordance with provisions of Section 37-90-137(10), C.R.S.

D. In the event that the allowed average annual amounts decreed herein are adjusted pursuant to the retained jurisdiction of the Court, Applicant shall obtain permits to reflect such adjusted average annual amounts. Subsequent permits for any wells herein shall likewise reflect any such adjustment of the average annual amounts decreed herein.

E. The water in the Denver and Arapahoe aquifers are not nontributary and up to 28 acre-feet per year and no more than 2800 acre-feet total of water from the Denver and up to 14.9 acre-feet per year and no more than 1490 acre-feet total from the Arapahoe aquifer may be withdrawn pursuant to the augmentation

plan decreed herein. Applicant does not request that any Dawson water be withdrawn pursuant to the augmentation plan.

APPROVAL OF PLAN FOR AUGMENTATION

10. Approval of plan for augmentation:

A. Water to be augmented: All of the not nontributary Denver and Arapahoe aquifer groundwater decreed herein.

B. Water to be used for augmentation: Return flows through the Applicant's wastewater treatment plant from use of not nontributary and nontributary groundwater used in the Applicant's service area, return flows from irrigation use, or direct discharge of nontributary ground water decreed herein or as previously decreed in Case Nos. 90CW45 and 85CW7, District Court, Water Division 2.

C. Development and Consumptive Use: The subject not nontributary ground water will be used in Applicant's municipal water system.

D. Replacement during pumping: During pumping of the subject ground water, Applicant will replace depletions to the affected stream system in an amount equal to 4% of the annual amount withdrawn for each aquifer pursuant to Section 37-90-137(9)(c), C.R.S. Return flows from inhouse use of the subject groundwater within the Applicant's boundaries, accrues to the Arkansas River system through the District's wastewater treatment plant located on Monument Creek and those return flows are sufficient to replace the required amounts described above. Applicant may also take credit for return flows from irrigation of lawns and golf courses by the subject water pursuant to paragraph 5.C.2. of Consolidated Case Nos. 91CW16 and 93CW85, District Court, Water Division 2 and Case No. 93CW169, District Court, Water Division 1. Applicant may use, sell, trade, or assign any excess return flows not necessary for the operation its plan for augmentation herein pursuant to statute.

E. Post-pumping Depletion Augmentation: Assuming maximum pumping of 28 acre-feet per year from the Denver aquifer and 14.9 acre-feet per year from the Arapahoe aquifer for one hundred years, the total maximum depletion to the Arkansas River stream system from pumping of the Denver aquifer will be approximately 7.6% or 2.12 acre-feet which occurs in the 147th year and the

total maximum depletions to the Arkansas River stream system from pumping of the Arapahoe aquifer will be approximately 2.2% or 0.32 acre-feet which occurs in the 387th year. It is Applicant's position that depletions which occur after pumping ceases are not injurious. The Office of the State Engineer does not agree with this position. Nevertheless, in order to reach settlement with the Office of the State Engineer, Applicant will reserve 42.9 acre-feet per year and 4290 acre-feet total of nontributary Laramie-Fox Hills water decreed herein (10 acre-feet per year and 100 acre-feet total) and as decreed in Case Nos. 90CW45 or 85CW7, District Court, Water Division 2 (32.9 acre-feet per year and 3290 acre-feet total) for use in this plan. The Court retains continuing jurisdiction in this matter to determine if the supply is adequate.

F. Applicant shall replace post-pumping depletions for the shortest of the following periods: the period provided by Section 37-90-137(9)(c), C.R.S.; the expressed period specified by the Colorado Legislature, should it specify one and providing the Applicant obtains Water Court approval for such modification; the period determined by the State Engineer, should he choose to set such a period and have jurisdiction to do so; the period established through rulings of the Colorado Supreme Court on relevant cases, or until Applicant petitions the Water Court and after notice to parties in the case and the State Engineer's Office and proves that they have complied with any statutory requirement.

11. Failure of Applicant to comply with the terms of the decree may result in an order of the Division Engineer's office to curtail or eliminate pumping of the groundwater which is the subject of this augmentation plan.

12. Administration of plan for augmentation:

A. Applicant shall report to the Division Engineer for Water Division 2 on a monthly basis the metered withdrawals under this decree pursuant to paragraph 6.A. of Consolidated Case Nos. 91CW16 and 93CW85, District Court, Water Division 2 and Case No. 93CW169, District Court, Water Division 1.

B. All withdrawals which are the subject of this decree will be metered.

C. Pursuant to Section 37-92-305(8), C.R.S., the State Engineer shall curtail all out-of-priority diversions, the depletions from which are not so replaced as to prevent injury to vested water rights.

D. The Applicant at the direction of the Division Engineer, shall make post-pumping replacements to the Arkansas River stream system via Monument Creek pursuant to the depletion curves for the Denver and Arpahaoe aquifers attached as Attachment B hereto.

13. Retained jurisdiction for plan for augmentation:

A. Pursuant to Section 37-92-304(6), C.R.S., the Court retains continuing jurisdiction over the plan for augmentation decreed herein for reconsideration of the question whether the provisions of this decree are necessary and/or sufficient to prevent injury to vested water rights of others. The Court also has jurisdiction for the purposes of determining compliance with the terms of the augmentation plan.

B. Any person seeking to invoke the retained jurisdiction of the Court shall file a verified petition with the Court. The petition to invoke retained jurisdiction or to modify the Decree shall set forth with particularity the factual basis and the requested decretal language to effect the petition. The party lodging the petition shall have the burden of going forward to establish prima facie facts alleged in the petition. If the Court finds those facts to be established, Applicant shall thereupon have the burden of proof to show: (1) that any modification sought by Applicant will avoid injury to other appropriators, or (2) that any modification sought by Objector is not required to avoid injury to other appropriators, or (3) that any term or condition proposed by Applicant in response to the Objector's petition does avoid injury to other appropriators.

C. The Court retains jurisdiction for the purpose of determining whether the continued reservation of the nontributary water for use on the property is required. After notice to the State Engineer's Office, if Applicant can demonstrate to the Court that post-pumping depletions need no longer be replaced, the Court may remove the requirement that the nontributary water must be reserved.

CONCLUSIONS OF LAW

14. The Water Court has jurisdiction over this proceeding pursuant to Section 37-90-137(6), C.R.S. This Court concludes as a matter of law that the application herein is one contemplated by law. Section 37-90-137(4), C.R.S. The application for a decree confirming Applicant's right to withdraw and use all unappropriated ground water from the nontributary aquifers beneath the property as described herein pursuant to Section 37-90-137(4), C.R.S., should be granted, subject to the provisions of this decree. The application for a decree confirming Applicant's right to withdraw and use all ground water decreed herein from the Denver and Arapahoe aquifers should be granted pursuant to Section 37-90-137(4) and (9)(c), C.R.S., subject to the provisions of this decree. The withdrawal of up to 28 acre-feet per year and no more than 2800 acre-feet total of the Denver aquifer and up to 14.9 acre-feet per year and no more than 1490 acre-feet total of the Arapahoe aquifer water in accordance with the terms of this decree will not result in material injury to vested water rights of others. The Dawson aquifer water decreed herein will not be withdrawn until a plan for augmentation for use of that water is decreed in another court case.

15. This plan for augmentation satisfies the requirements of Section 37-90-137(9)(c), C.R.S., for replacement of an amount equal to 4% of the amount withdrawn for withdrawals of the Denver and Arapahoe aquifer water.

16. The rights to ground water determined herein shall not be administered in accordance with priority of appropriation. Such rights are not "conditional water rights" as defined by Section 37-92-103(6), C.R.S., requiring findings of reasonable diligence and are not applicable to the ground water rights determined herein. The determination of ground water rights herein need not include a date of initiation of the withdrawal project. See Section 37-92-305(11), C.R.S.

JUDGMENT AND DECREE

The Findings of Fact and Conclusions of Law set forth above are hereby incorporated into the terms of this Judgment and Decree as if the same were fully set forth herein.

17. Full and adequate notice of the application was given, and the Court has jurisdiction over the subject matter and over the parties whether they have appeared or not.

18. The Applicant may withdraw the subject ground water herein through wells to be located anywhere on the property, in the average annual amounts and at the estimated average rates of flow specified herein, subject to the limitations herein and the retained jurisdiction by this Court, and subject to well permits being obtained from the Office of the State Engineer pursuant to Section 37-90-137(4), C.R.S.

19. Applicant may withdraw up to 28 acre-feet per year and no more than 2800 acre-feet total of not nontributary ground water from the Denver aquifer and 14.9 acre-feet per year and no more than 1490 acre-feet total of not nontributary ground water from the Arapahoe aquifer under the plan for augmentation decreed herein pursuant to Section 37-90-137(9)(c), C.R.S.

20. Applicant has complied with all requirements and met all standards and burdens of proof, including but not limited to Sections 37-90-137(9)(c), 37-92-103(9), 37-92-302, 37-92-304(6), 37-92-305(1),(2),(3),(4),(6),(8),(9), C.R.S., to adjudicate its plan for augmentation and is therefor entitled to a decree confirming and approving its plan for augmentation as described in the findings of fact.

21. Pursuant to Section 37-92-305(5), C.R.S., the replacement water herein shall be of a quality so as to meet the requirements for which the water of the senior appropriator has normally used.

22. The proposed plan for augmentation as described in the findings of fact is hereby approved, confirmed, and adjudicated, including and subject to the terms and conditions specified herein.

23. No owners of or person entitled to use water under a vested water right or decreed conditional water right will be injured or injuriously affected by the operation of the plan for augmentation as decreed herein.

24. Retained Jurisdiction:

A. The Court retains jurisdiction as necessary to adjust the average annual amounts of ground water available under the

property to conform to actual local aquifer characteristics as determined from adequate information obtained from wells, pursuant to Section 37-92-305(11), C.R.S. Within 60 days after completion of any well decreed herein or any test hole(s), Applicant or any successor in interest to these water rights shall serve copies of such log(s) upon the State Engineer.

B. At such time as adequate data is available, any person, including the State Engineer, may invoke the Court's retained jurisdiction to make a Final Determination of Water Right. Within four months of notice that the retained jurisdiction for such purpose has been invoked, the State Engineer shall use the information available to him to make a final determination of water rights findings. The State Engineer shall submit such finding to the Water Court and to the Applicant.

C. If no protest to such finding is made within 60 days, the Final Determination of Water Rights shall be incorporated into the decree by the Water Court. In the event of a protest, or in the event the State Engineer makes no determination within four months, such final determination shall be made by the Water Court after notice and hearing.

25. Continuing Jurisdiction: Pursuant to Section 37-92-304(6), C.R.S., the Court retains 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. The Court also retains continuing jurisdiction for the purpose of determining compliance with the terms of the augmentation plan.

ENTERED this 26th day of March, 1998.

John E. Anderson, III
Water Judge
Water Division 2

THE FOREGOING IS HEREBY APPROVED AS TO CONTENT AND FORM AND APPROVED FOR ENTRY BY THE WATER JUDGE.

HOLLY I. HOLDER, P.C.

Date: Mar 5, 1998 By: Holly Holder

Holly I. Holder, #10216
518 - 17th Street, #1500
Denver, Colorado 80202
(303) 534-6315

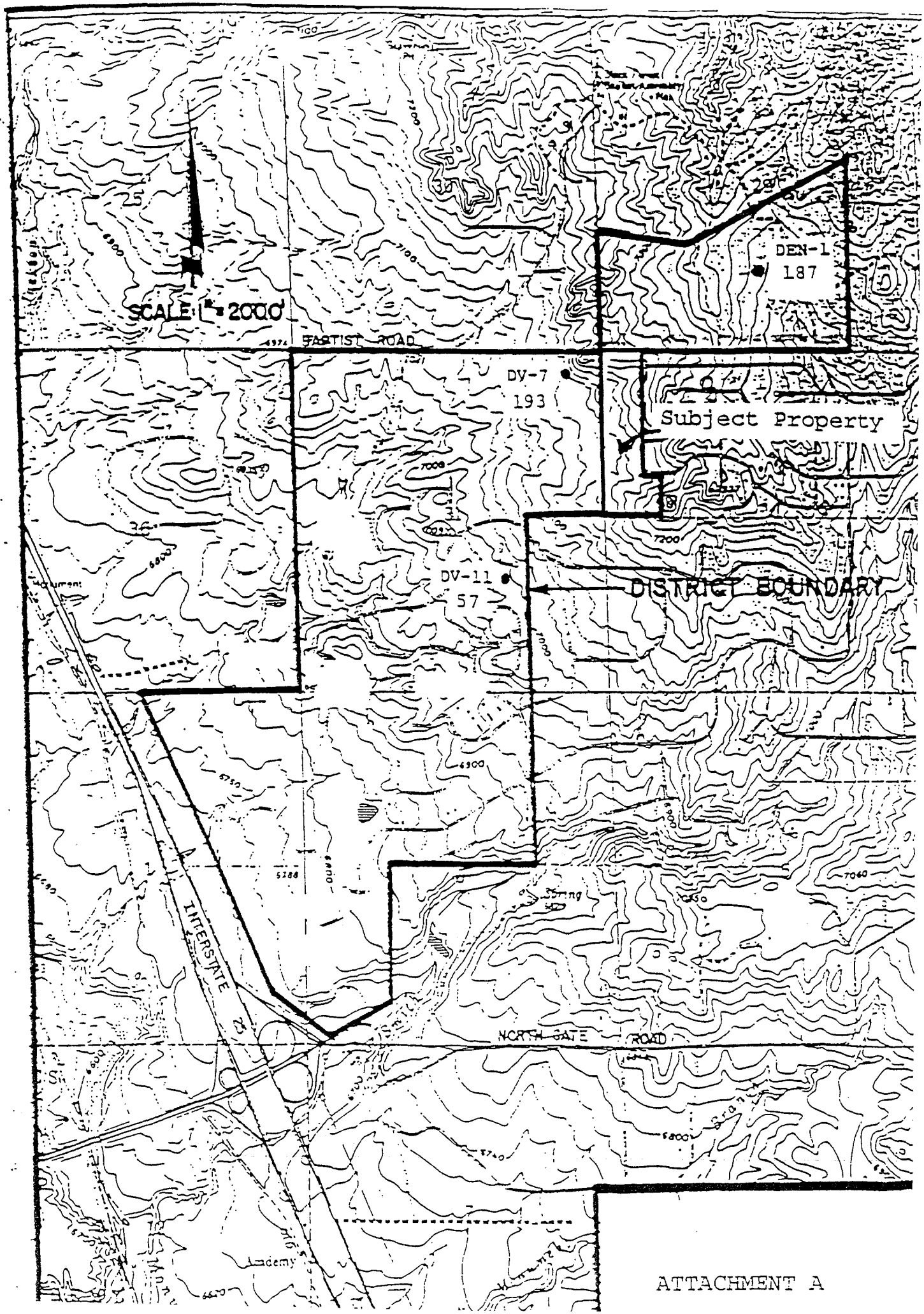
ATTORNEYS FOR APPLICANT

ANDERSON, DUDE, PIFHER & LEBEL, P.C.

Date: March 4, 1998 By:

William Kelly Dude, #13208
104 S. Cascade Ave., #204
P.O. Box 240
Colorado Springs, CO 80901
(719) 632-3545

ATTORNEYS FOR OBJECTOR CITY OF COLORADO SPRINGS



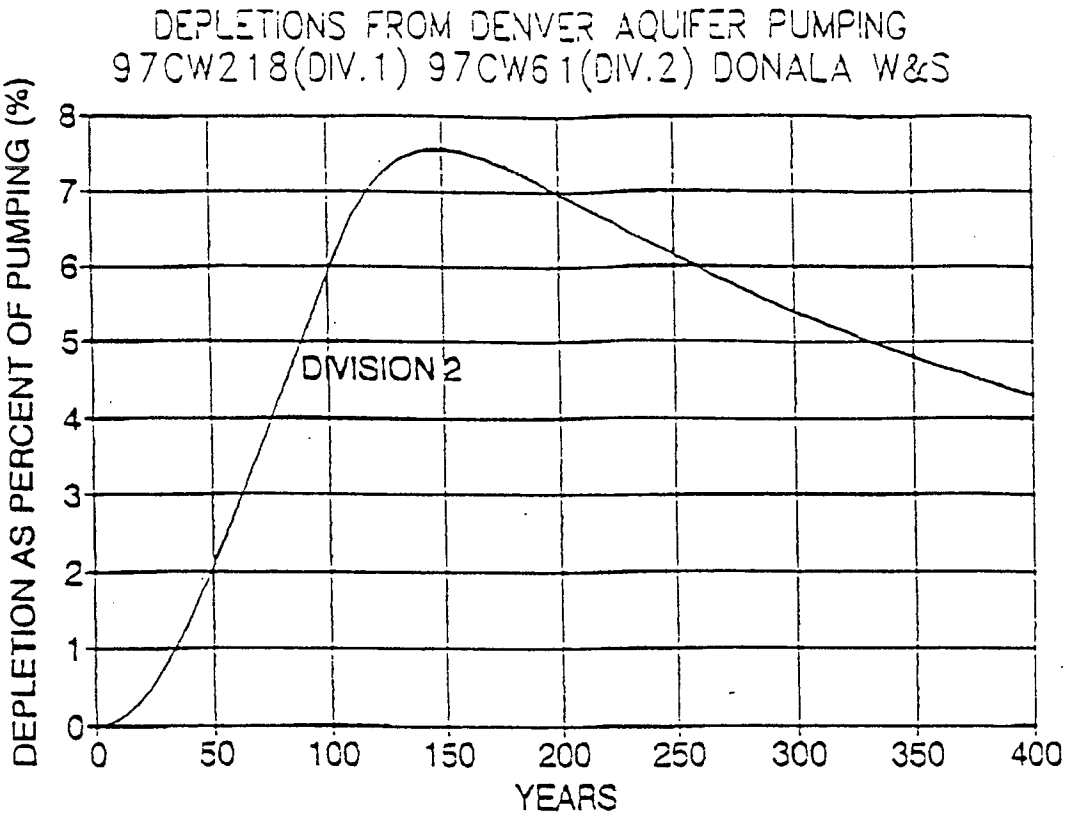
ATTACHMENT A

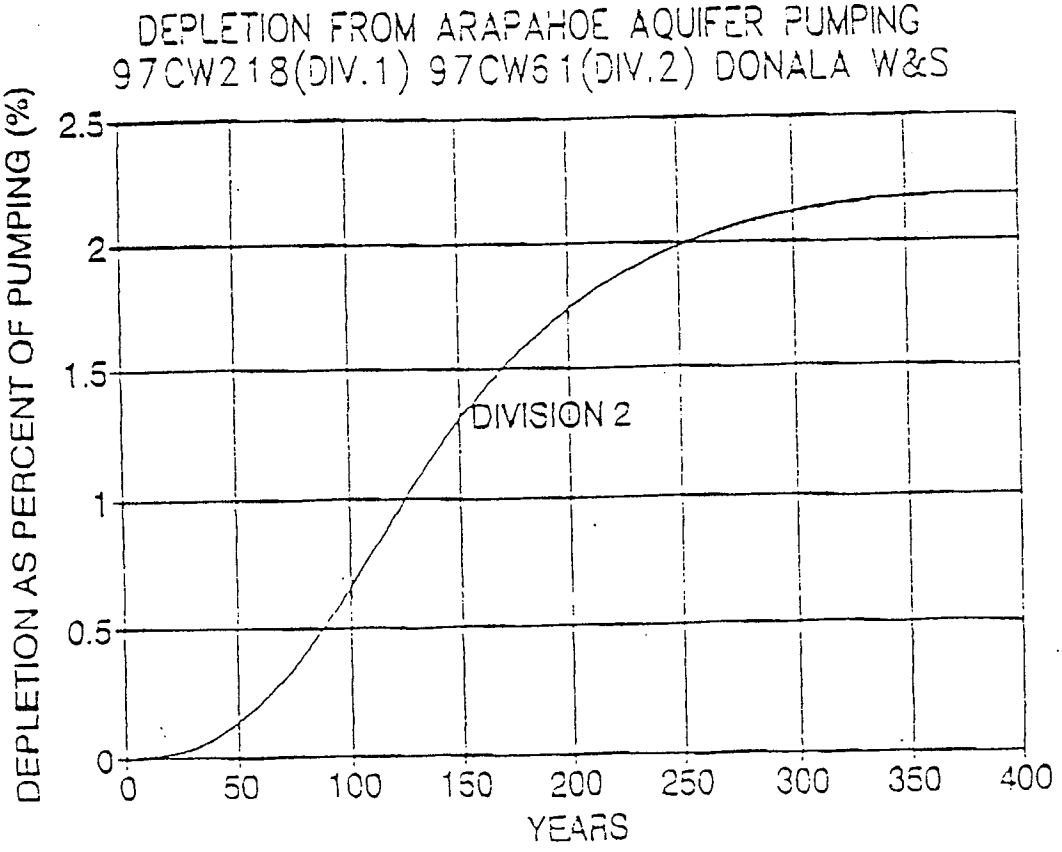
ATTACHMENT "A:

That parcel of land in the Northwest quarter of Section 32, Township 11 South, Range 66 West of the 6TH P.M.; located in El Paso County, Colorado and described as follows:

Beginning at the Southwest corner of the Northwest quarter thereof; thence North along the West line of the northwest quarter a distance of 2627.31 feet, thence East a distance of 500.16 feet, thence South a distance of 2070.77 feet, thence East a distance of 397.17 feet, thence South a distance of 559.55 feet to the South line of said Northwest quarter, thence West a distance of 907.76 feet to the point of beginning.

ATTACHMENT B





SUMMARY OF DENVER BASIN LEGISLATION AND THE IMPACT ON WATER AVAILABILITY BENEATH FOX RUN PARK

Denver Basin Aquifer	pre-SB 5 (SB 213)	SB5 with post pump	SB 5 with post pump alternative	SB5 with no post pump	SB96-74 proposed
Dawson	249 af/yr NT?	249 af/yr actual 10%	0 actual 10%	249 af/yr none	249 af/yr actual 20%
Denver	222 NT	222 4%	52 4%	222 none	222 actual 20%
Arapahoe	145 NT	145 4%	52 4%	145 none	145 actual 20%
Laramie-Fox Hills	104 NT	104 NT	0 NT	104 none	104 actual 10%
Water that can be pumped	567 af/yr	567 af/yr	104 af/yr	567 af/yr	567 af/yr
Replacement water needed	0	39.6	0	0	133.6
Cost of replacement water @ $10,000/af	$0	$396,000	$0	$0	$1,336,000

Footnotes:

This is an example of the potential impact of new legislation suggested by the State Engineer's Office

Estimates of water availability based on State maps, there is an existing Denver appropriation of 96 af/yr that reduces the amount of water available

Maximum depletions are estimates only, actual maximum depletions may be more or less

SB 5 with no post pumping depletions requires Water Court action

Cost of water based on Twin Lakes and Northgate Well costs, location of replacement and therefore costs can not be determined at this time, costs may be more of less

State estimates of depletions ranges from 9 to 28%, 10 and 20% are estimates only, to determine depletion under State suggestion requires operation of State model

APPENDIX D – PLAN FOR AUGMENTATION

DISTRICT COURT, WATER DIVISION 2, COLORADO

Case Nos. 91CW16 and 93CW85

DISTRICT COURT, WATER DIVISION 1, COLORADO

Case No. 93CW169

AMENDED FINDINGS OF FACT, CONCLUSIONS OF LAW, JUDGMENT AND DECREE

CONCERNING THE APPLICATION FOR WATER RIGHTS OF DONALA WATER AND SANITATION DISTRICT A/K/A GLENEAGLE WATER DISTRICT,

IN EL PASO COUNTY.

THIS MATTER has come before the Water Judge upon the application of Donala Water and Sanitation District a/k/a Gleneagle Water District for approval of a plan for augmentation. The Water Judge, having considered the pleadings, the stipulations of the parties, and the evidence presented, and being fully advised in the premises enters the following Judgment and Decree.

FINDINGS OF FACT

1. Name and Address of Applicant. Donala Water and Sanitation District a/k/a Gleneagle Water District, 15850 Holbein, Colorado Springs, Colorado 80921; (719) 488-3603.

2. History of Case. The Applicant is represented by Holly I. Holder and Henry D. Worley. Case No. 91CW16 was filed with this Court on May 15, 1991, requesting the adjudication of a plan for augmentation to replace depletions caused by withdrawal of not nontributary Dawson and Denver aquifer groundwater underlying 1036 acres of land within the boundaries of Donala Water and Sanitation District ("District") for water originally decreed in Case No. 90CW45. Case No. 93CW85 in Water Division 2 and Case No. 93CW169 in Water Division 1 were filed on December 30, 1993 and December 29, 1993, respectively. Case Nos. 93CW85 and 93CW169 are identical applications and were filed in both Water Divisions for notice reasons. Case Nos. 93CW85 and 93CW169 request the adjudication of a plan for augmentation to replace depletions caused by withdrawal of not nontributary Denver and Arapahoe aquifer groundwater underlying 220 acres of land within the boundaries of Donala Water and Sanitation District for water originally decreed in Case No. 85CW7. Amendments to Case Nos. 93CW85 and 93CW169 were filed to add an

RECEIVED
OCT 3 1995
CARPENTER & KLATSKIN P.C.

alternative source of augmentation water in January, 1994. Statements of opposition were filed by the State Engineer of Colorado and the Division Engineers of Water Division 1 and 2, and the City of Colorado Springs. The City of Colorado Springs entered into a stipulation with the Applicant on June 7, 1995. No other statements of opposition have been filed and the time for filing such statements has expired. A motion to consolidate Case Nos. 93CW85 and 93CW169 was filed before the Panel on Consolidated Multidistrict Litigation, and an order consolidating the cases in Water Division 2, to be before the Water Judge for Water Division 2, was entered on July 18, 1994. An order consolidating Case No. 91CW16 with Case No. 93CW85 was entered by this Court on August 17, 1994. A motion to amend the application in Case No. 91CW16 in order to clarify sources of augmentation supply was filed on October 28, 1994. Trial on this matter was held June 7 and 8, 1995. A decree was entered by the Court on July 21, 1995. The Applicant filed a motion to make minor modifications to the decree on August 7, 1995, and the State Engineer and Division Engineers filed a Response on August 25, 1995, suggesting further modifications to the decree. The Applicant filed a Reply on September 7, 1995, and submitted this decree, incorporating all but one of the changes requested by the Engineers.

3. Status of the District. The District is a quasi-municipal corporation of the State of Colorado which provides water and wastewater service to residents within 1,256 acres in El Paso County. A map of the District's current boundary is shown on Exhibit A. In total, at the present time, the District has the following water rights:

NONTRIBUTARY

Well	Aquifer	Decree	Amount
Dawson-Arkose Wells	Dawson-Arkose (Dawson, Denver and Arapahoe)	W-4216	1,400 af.
LFH-8	Laramie-Fox-Hills	90CW45	143.5 af.*
LFH-9	Laramie-Fox-Hills	90CW45	143.5 af.*
LFH-1	Laramie-Fox Hills	85CW7	66 af.*

* Decree requires relinquishment of two percent (2%) of total diversions to the stream.

NOT NONTRIBUTARY

Well	Aquifer	Decree	Amount
DA-5	Dawson	90CW45	40 af.
DA-10	Dawson	90CW45	90.1 af.
Well	Aquifer	Decree	Amount
DA-12	Dawson	90CW45	30 af.
DV-7	Denver	90CW45	193 af.
DV-11	Denver	90CW45	57 af.
DEN-1	Denver	85CW7	187 af.
A-1	Arapahoe	85CW7	93.5 af.

4. Description of Not Nontributary Water Rights being Augmented:

A. As decreed in Case No. 85CW7 in District Court, Water Division 2 on November 5, 1987.

1. Den-1: Located in the SE¼SW¼ of Section 29, T. 11 S., R. 66 W. of the 6th P.M., at a point approximately 1250 feet from the south section line and 2500 feet from the west section line of said Section 29, for not nontributary Denver aquifer groundwater, for an annual amount of 187 acre-feet at a rate of flow of 250 gpm.

2. A-1: Located in the SE¼SW¼ of Section 29, T. 11 S., R. 66 W. of the 6th P.M., at a point approximately 1200 feet from the south section line and 2550 feet from the west section line of said Section 29, for not nontributary Arapahoe aquifer groundwater, for an annual amount of 93.5 acre-feet at a rate of flow of 250 gpm.

Uses: To be used, reused, successively used or otherwise disposed of for all municipal purposes, including domestic, agricultural, industrial, commercial, irrigation, stockwatering, recreation, fish and wildlife and fire protection, for exchange purposes, for replacement of depletions resulting from a use of water from other sources, for relinquishment to the stream

system pursuant to §37-90-137(9)(b), C.R.S., and for all decreed augmentation purposes.

B. As decreed in case No. 90CW45 in District Court, Water Division 2, on January 16, 1992.

1. DA-5 (#31263-F): Located in the NW¼NE¼ of Section 6, T. 12 S., R. 66 W. of the 6th P.M., at a point 750 feet south of the north section line and 2740 feet east of the west section line of said Section 6, for not nontributary Lower Dawson aquifer groundwater, for an annual amount of 40 acre-feet at a rate of flow of 40 gpm.

2. DA-10: Located in the NE¼NE¼ of Section 31, T. 11 S., R. 66 W. of the 6th P.M., at a point 315 feet south of the north section line and 600 feet west of the east section line of said Section 31, for not nontributary Lower Dawson aquifer groundwater, for an annual amount of 90.1 acre-feet at a rate of flow of 120 gpm.

3. DA-12: Located in the SW¼NW¼ of Section 6, T. 12 S., R. 66 W. of the 6th P.M., at a point 1980 feet south of the north section line and 800 feet east of the west section line of said Section 6, for not nontributary Lower Dawson aquifer groundwater, for an annual amount of 30 acre-feet at a rate of flow of 40 gpm.

4. DV-7: Located in the NE¼NE¼ of Section 31, T. 11 S., R. 66 W. of the 6th P.M., at a point 300 feet south of the north section line and 620 feet west of the east section line of said Section 31, for not nontributary Denver aquifer groundwater, for an annual amount of 193 acre-feet annually at a rate of flow of 300 gpm.

5. DV-11: Located in the NW¼SE¼ of Section 31, T. 11 S., R. 66 W. of the 6th P.M., at a point 1850 feet north of the south section line and 1650 feet west of the east section line of said Section 31, for not nontributary Denver aquifer groundwater, for an annual amount of 57 acre-feet annually at a rate of flow of 300 gpm.

Uses: Domestic, livestock, commercial, municipal, augmentation when appropriate, relinquishment to water course, exchange, recreation, leases, sale and other disposition.

5. Description of Plan for Augmentation:

A. Structures to be augmented: Wells and water rights described above in Paragraph 4. The wells and water rights will be used to provide service to the District, as it exists today and as the boundaries are expanded in the future.

B. Water rights to be used for augmentation: Return flows through the District's wastewater treatment plant, from not nontributary and nontributary groundwater, return flows from irrigation, and direct discharges from nontributary groundwater described as follows:

1. Nontributary Dawson Arkose aquifer groundwater as decreed in Case No. W-4216 in District Court, Water Division 2 on June 13, 1975 for an annual amount of 1400 acre-feet (Permit Nos. 16140-RF, 27228-F, 27229-F, 34670-F and 34671-F).

2. Nontributary Laramie-Fox Hills aquifer groundwater as decreed in Case No. 85CW7 for 66 acre feet and 90CW45 for 287 acre feet as described in Paragraph 3 above, for a total annual amount of 353 acre-feet.

C. Replacement of depletions.

1. Depletions During Pumping. Applicant will replace depletions to the Monument Creek stream system in an amount of water equal to the actual depletions for the Lower Dawson aquifer wells and four percent of the annual amount of water withdrawn for the Denver and Arapahoe aquifer wells described above in Paragraph 3, pursuant to §37-90-137(9)(c) with return flows from in-house use within the District's boundaries, which are collected and treated at the District's wastewater treatment plant and discharged into Monument Creek. Accounting of the depletions, four percent replacement requirements and return flows discharged from the wastewater treatment plant will be made pursuant to Paragraph 6 below. In the 100th year, assuming maximum pumping for 100 years, depletions to the Arkansas River on Monument Creek will be 7.24% of the water pumped from the Lower Dawson aquifer Wells DA-5, DA-10, and DA-12 or approximately 11.59 acre-feet per year. Also, in the 100th year, depletions to the Arkansas River on Monument Creek will be 8.9% of pumping from Denver aquifer Wells DV-7 and DV-11 or approximately 22.37 acre-feet; 3.6% of pumping from Denver aquifer Well DEN-1 or approximately 6.64 acre-feet; and .23% of pumping from Arapahoe aquifer Well A-1 as described in Paragraph 4.A. above, or .22 acre-feet. Based on the evidence presented at trial, the Court finds that none of the subject aquifers are in contact with the South Platte stream system and that all depletions accrue to Monument Creek. The Court finds

further that this finding is applicable only to this case and has no precedential value or res judicata effect on any other case involving the question of connection of the same aquifers to the South Platte Stream System.

2. Lawn Return Flows. The Applicant may also take credit for return flows from irrigation of lawns and the golf course. Return flows will be calculated according to three return flow zones as shown on Exhibit B. Return Flow Zone 1 consists of existing alluvial materials and will experience return flows in the first year after irrigation commences. Return Flow Zone 2 areas consist of terrace deposits close to existing stream systems for which return flows may reach the stream system two years after irrigation ceases. Return Flow Zone 3 return flows will recharge the Dawson aquifer, and offsets Dawson aquifer pumping impacts. Return flow credit will be reduced to account for irrigation spray loss of five percent, surface runoff of two percent, and tree canopy area of 7.1 percent in the residential/commercial area. Return flows will be accounted for on a form acceptable to the Division Engineer, and will be reevaluated every five years.

The Court finds that return flows exceed the replacement requirements to Monument Creek for the first 100 years of operation under this plan. Applicant agrees that return flows in the depletive amounts described above will not be sold, traded, or assigned for any purpose other than for use under this plan for augmentation. Applicant may use, sell, trade, or assign any excess return flows not necessary for the operation of this plan for augmentation pursuant to statute.

3. Postpumping Depletions : At the present time, the District has available to it 1,753 acre feet per year of nontributary water and 690.6 acre feet per year of not nontributary water for a total available of 2443.6 acre feet per year if all of the wells were pumped at their maximum allowable amounts every year.

In 1993, the total water use within the District was approximately 732.2 acre feet per year. In 1998, it is expected that the total water demand in the District will be 934.6 acre feet per year and will gradually increase over time. The District plans to use the existing nontributary and not nontributary wells to fulfill that demand. Full buildout demands are expected to be 1,729.13 acre feet per year in approximately the year 2022. As the District includes additional properties into its boundaries, additional groundwater will be made available to the District.

The evidence demonstrated that, if the District relies primarily on the existing wells and pumps the not nontributary water at the highest possible rate, the

District will still have a total of 84,638 acre feet of nontributary water in storage available in the year 2093 when pumping from the not nontributary wells is expected to cease. After that time, the District will continue to provide water and wastewater service to its residents and the golf course within the District, and to additional properties as they are included in the District after pumping ceases from these wells. Return flows will continue to the stream system after pumping ceases, and will even exceed the modeled depletions for at least fifty years, until the depletions reach their maximum of approximately 38 acre feet per year. In addition, irrigation return flows will ultimately recharge the Monument stream system. The Court finds that any post-pumping depletions which may occur are de minimus, unmeasurable and noninjurious as a matter of fact. The District may develop its additional nontributary water over time and use it in conjunction with the not nontributary water, and the wells will be used in a unified system. The Court finds that return flows from the use of the nontributary and/or not nontributary water are sufficient to prevent any injury to the Arkansas River and its tributaries after pumping ceases. Therefore, no administration or accounting is required after pumping from the not nontributary wells ceases.

6. Administration of Plan for Augmentation.

A. Accounting and Reporting. Applicant shall report to the Division Engineer for Water Division 2 on a monthly basis the metered withdrawals of the subject wells, on an accounting form acceptable to the Division Engineer. The accounting form will also contain a calculation of the monthly actual depletions from the not nontributary Dawson aquifer wells utilizing the State Engineer's model, and an accounting of 4% of the amount of water diverted from the not nontributary Denver and Arapahoe wells. It will also specify the amount of return flows discharged to Monument Creek from the wastewater treatment plant and return flows from the irrigation of lawns and golf courses, as provided on the accounting form. Applicant shall make the records available to any party upon receipt of written request.

B. Meters. All well withdrawals from structures described in this decree will be metered.

C. Irrigation Return Flows. Credit from irrigation return flows will be reevaluated every five years in a manner and on a form acceptable to the Division Engineer. Such reevaluation will include an analysis in change in the tree canopy area.

D. Curtailment. Pursuant to §37-92-305(8), C.R.S., the State Engineer shall curtail all out-of-priority diversions, the depletions from which are not so replaced as to prevent injury to vested water rights.

CONCLUSIONS OF LAW

7. This Plan for Augmentation satisfies the requirements of §37-90-137(9)(c), C.R.S. for replacement of water in an amount of water equal to actual depletions in the Lower Dawson aquifer wells and four percent of the amount of water withdrawn on an annual basis from the Denver and Arapahoe aquifer wells during pumping.

8. Whether post-pumping depletions are injurious is a matter of fact for determination by the trial court. Any postpumping depletions which this Court has found to be noninjurious are based upon the facts specific to this case and as such do not have any precedential value or res judicata effect on the question of whether any similar depletions are injurious in any other case. If the Court cannot determine if the depletions are injurious, it shall retain jurisdiction. Danielson v. Castle Meadows, Inc., 791 P.2d 1106 (Colo. 1990); State Engineer v. Castle Meadows, Inc., 856 P.2d 496 (Colo. 1993); and Simpson v. Castle Pines Metropolitan District, 886 P.2d 689 (Colo. 1994).

9. Material injury to vested water rights of others requires factual determination based on the evidence presented in a particular case. Danielson v. Jones, 698 P.2d 240 (Colo. 1985); State Engineer v. Castle Meadows, 856 P.2d 496 (Colo. 1993). Any findings which this Court has made concerning injury caused by the pumping and/or the post pumping depletions of the Applicant's wells are based upon the evidence presented in this particular case. Therefore, any such findings cannot be utilized for any precedential value or res judicata effect on the questions of whether any similar depletions are injurious in any other case.

JUDGMENT AND DECREE

10. Full and adequate notice of the application was given and the Court has jurisdiction over the subject matter, and over the parties whether they have appeared or not.

11. Applicant may withdraw the subject ground water herein through the wells described herein, in the average annual amounts and at the estimated average rates of flow specified herein, subject to the limitations herein.

12. Applicant has complied with all requirements and met all standards and burdens of proof, including but not limited to §§37-90-137(9)(c), 37-92-103(9), 37-92-302, 37-92-304(6), 37-92-305(1), (2), (3), (4), (5), (6), (8) and (9), C.R.S., to adjudicate its plan for augmentation, and is therefore entitled to a decree confirming and approving its plan for augmentation as described in the findings of fact.

13. The foregoing Findings of Fact and Conclusions of Law are fully incorporated herein. The proposed plan for augmentation as described in the findings of fact, is hereby

approved, confirmed and adjudicated, including and subject to the terms and conditions specified in the foregoing findings of fact.

14. No owners of, or person entitled to use water under a vested water right or decreed conditional water right will be injured or injuriously affected by the operation of the plan for augmentation as decreed herein.

15. Continuing Jurisdiction.

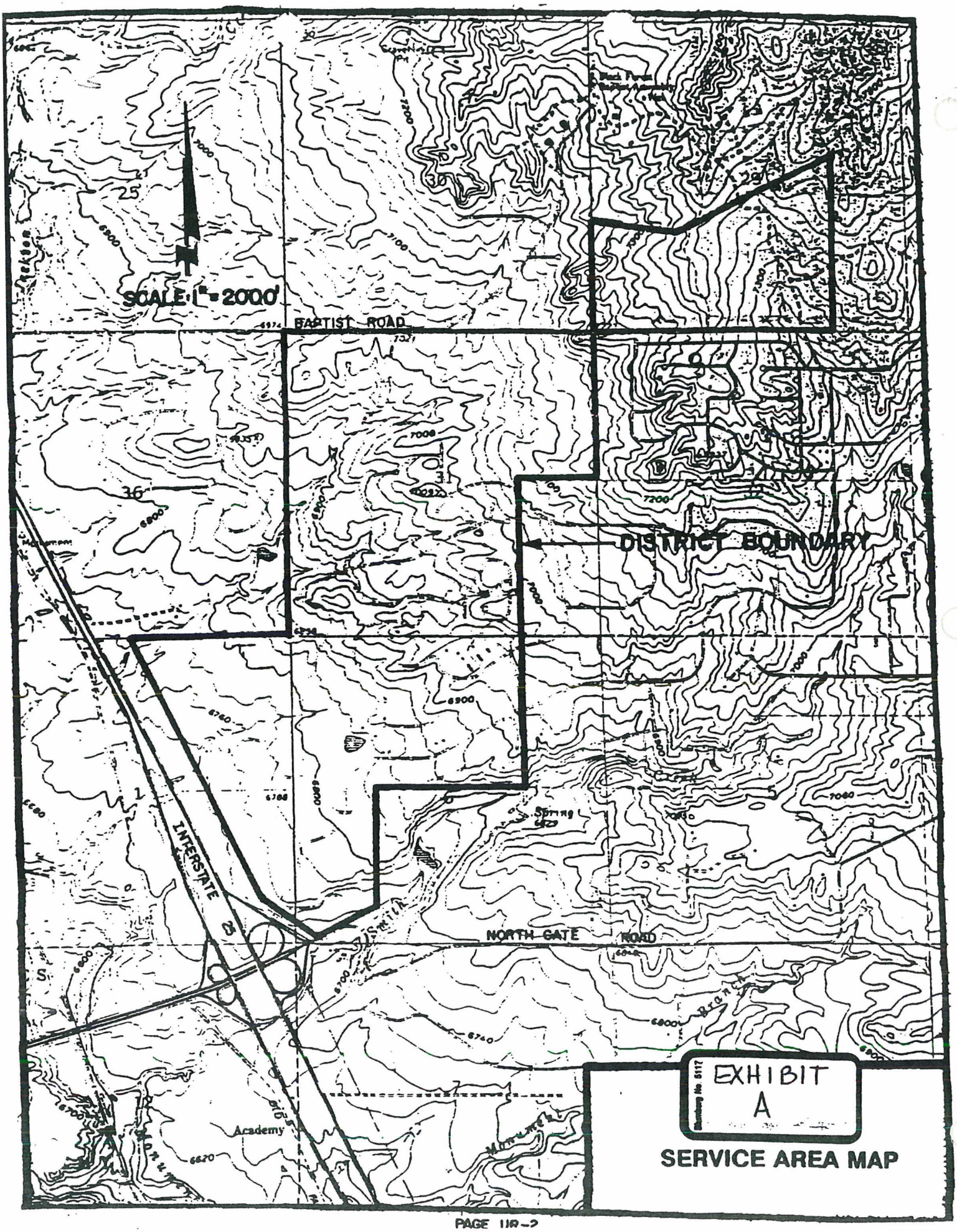
A. Pursuant to §37-92-304(6), C.R.S., the Court retains continuing jurisdiction over the plan for augmentation decreed herein for reconsideration of the question whether the provisions of this decree are necessary and/or sufficient to prevent injury to vested water rights of others while the wells are pumping after entry of the decree herein. The Court also has jurisdiction for the purposes of determining compliance with the terms of the augmentation plan, or for the purpose of amending this decree.

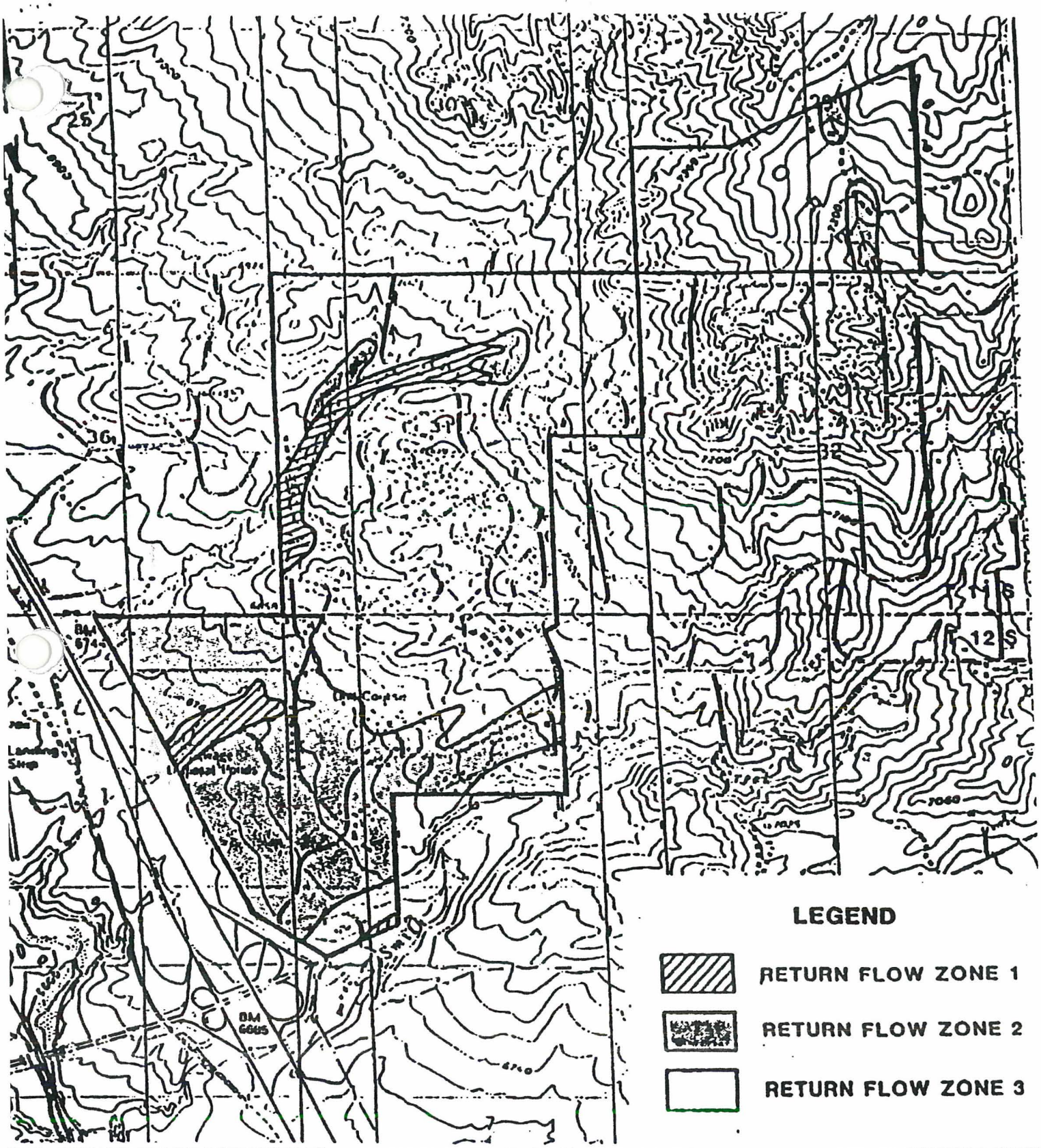
B. The Court also retains continuing jurisdiction for the purpose of modifying the credit for return flows from lawn and golf course irrigation for use for augmentation purposes, pursuant to Paragraph 6.C above.

C. Any person seeking to invoke the retained jurisdiction of the Court shall file a verified petition with the Court. The petition to invoke retained jurisdiction or to modify the Decree shall set forth with particularity the factual basis upon which the requested reconsideration is pemised, together with proposed decretal language to effect the petition. The party lodging the petition shall have the burden of going forward to establish prima facie facts alleged in the petition. If the Court finds those facts to be established, Applicant shall thereupon have the burden of proof to show: (1) that any modification sought by Applicant will avoid injury to other appropriators, or (2) that any modification sought by Objectors is not required to avoid injury to other appropriators, or (3) that any term of condition proposed by Applicant in response to the Objectors' petition does avoid injury to other appropriators.

Entered this 25 day of September, 1995.

John R. Tracey
Water Judge, Water Division 2
Colorado


SCALE 1" = 2000'
BAPTIST ROAD
DISTRICT BOUNDARY
INTERSTATE 25
NORTH GATE ROAD
Academy
EXHIBIT
A
SERVICE AREA MAP



SCALE: 1" = 2000'

IRRIGATION RETURN FLOW ZONE MAP

EXHIBIT B

BISHOP-BROGDEN ASSOCIATES, INC.

DISTRICT COURT, WATER DIVISION 2, COLORADO

Case No. 97CW61

DISTRICT COURT, WATER DIVISION 1, COLORADO

Case No. 97CW218

FINDINGS OF FACT, CONCLUSIONS OF LAW, JUDGMENT AND DECREE

CONCERNING THE APPLICATION FOR WATER RIGHTS OF DONALA WATER AND SANITATION DISTRICT,

IN EL PASO COUNTY.

THIS MATTER having come before the Water Judge upon the application of Donala Water and Sanitation District, for groundwater rights and approval of plan for augmentation. The Water Judge, having considered the pleadings, the stipulations of the parties, and the evidence presented, and being fully advised in the premises, it is hereby the Judgment and Decree of the Court.

FINDINGS OF FACT

1. Name and Address of Applicant:

Donala Water and Sanitation District
15850 Holbein Drive
Colorado Springs, Colorado 80921
(719) 488-3603

2. History of Case: The Applicant is represented by Holly I. Holder, P.C. The applications for underground water rights and approval of a plan for augmentation were filed in Case No. 97CW61 in Water Division 2 on July 29, 1997 and in Case No. 96CW218 in Water Division 1 on July 30, 1997. Statements of opposition were filed by the City of Colorado Springs and The American Baptist Churches of the Rocky Mountains in Case No. 97CW61. The Objectors have stipulated to the entry of this decree. No other statements of opposition have been filed, and the time for filing such statements has expired. A motion to consolidate the cases was filed before the Panel on Consolidated Multidistrict

Litigation in Case No. 97MDL32, and an order consolidating the cases in Water Division 2 was entered on December 3, 1997.

3. Subject matter jurisdiction: Timely and adequate notice of the applications was published as required by statute, and the Court has jurisdiction over the subject matter of this proceeding and over the parties affected hereby, whether they have appeared or not.

APPROVAL OF GROUND WATER RIGHTS

4. Aquifers and location of ground water: Applicant seeks a decree for rights to all ground water recoverable from the not nontributary Dawson, Denver, and Arapahoe aquifers and nontributary Laramie-Fox Hills aquifer underlying approximately 35 acres of land, located in the NW1/4 of Section 32, T11S, R66W of the 6th P.M., as more particularly described and shown on Attachment A hereto ("Subject Property"). The Subject Property is not located within the boundaries of a designated ground water basin.

5. Well locations, pumping rates and annual amounts: The ground water may be withdrawn at rates of flow necessary to efficiently withdraw the amounts decreed herein. The ground water will be withdrawn through any number of wells necessary, to be located at any location on the Subject Property, in the following annual amounts. Applicant hereby waives any 600 foot spacing rule for wells located on the Subject Property and wells located within the boundaries of the District:

Aquifer	Saturated Thickness	Amount
Dawson	185 feet	13.0 acre-feet (NNT)
Denver	470 feet	28.0 acre-feet (NNT)
Arapahoe	250 feet	14.9 acre-feet (NNT)
Laramie-Fox Hills	190 feet	10.0 acre-feet (NT)

The amounts conform with the values and amounts referenced in the State Engineer's Determination of Facts dated October 21, 1997.

6. Proposed use: The water withdrawn from the subject aquifers will be used, reused, successively used, and after use leased, sold, or otherwise disposed of for the following beneficial purposes: municipal, domestic, industrial, commercial,

irrigation, stock watering, recreational, fish and wildlife, and any other beneficial purpose, both on and off the Subject Property. Said water will be produced for immediate application to said uses, for storage and subsequent application to said uses, for exchange purposes, for replacement of depletions resulting from the use of water from other sources, and for augmentation purposes.

7. Final average annual amounts of withdrawal:

A. Final determination of the applicable average saturated sand thicknesses and resulting average annual amounts available to Applicant will be made pursuant to the retained jurisdiction of this Court, as described in paragraph 24 below. The Court shall use the acre-foot amounts in paragraph 5 herein in the interim period, until a final determination of water rights is made.

B. The allowed annual amount of ground water which may be withdrawn through the wells specified above and any additional wells, pursuant to Section 37-90-137(10), C.R.S., may exceed the average annual amount of withdrawal, as long as the total volume of water withdrawn through such wells and any additional wells therefor subsequent to the date of this decree does not exceed the product of the number of years since the date of the issuance of any well permits or the date of this decree, whichever is earliest in time, multiplied by the average annual amount of withdrawal, as specified above or as determined pursuant to the retained jurisdiction of the Court. However, amounts set forth in well permits will not be exceeded.

8. Source of ground water and limitations on consumption:

A. The ground water to be withdrawn from the Laramie-Fox Hills aquifers is "nontributary ground water" as defined in Section 37-90-103(10.5), C.R.S., and in the Denver Basin Rules, the withdrawal of which will not, within 100 years, deplete the flow of a natural stream, including a natural stream as defined in Section 37-82-101(2) and Section 37-92-102(1)(b), C.R.S., at an annual rate greater than 1/10 of 1% of the annual rate of withdrawal. The ground water to be withdrawn from the Dawson, Denver, and Arapahoe aquifers is "not nontributary" as defined in Sections 37-90-103(10.7) and 37-90-137(9)(c), C.R.S., and the Denver and Arapahoe aquifer groundwater decreed herein may be withdrawn pursuant to the augmentation plan decreed herein.

B. Applicant may not consume more than 98% of the annual quantity of water withdrawn from the nontributary Laramie-Fox Hills aquifer. The relinquishment of 2% of the annual amount of water withdrawn to the stream system, as required by the Denver Basin Rules effective January 1, 1986, may be satisfied by any method selected by the Applicant and satisfactory to the State Engineer, so long as Applicant can demonstrate that an amount equal to 2% of such withdrawals (by volume) has been relinquished to the stream system.

C. There is unappropriated ground water available for withdrawal from the subject aquifers beneath the Subject Property, and the vested water rights of others will not be materially injured by such withdrawals as described herein. Withdrawals hereunder are allowed on the basis of an aquifer life of 100 years, assuming no substantial artificial recharge within 100 years. No material injury to vested water rights of others will result from the issuance of permits for wells which will withdraw nontributary ground water or the exercise of the rights and limitations specified in this decree.

9. Additional wells and well fields:

A. Applicant may construct additional and replacement wells in order to maintain levels of production, to meet water supply demands or to recover the entire amount of groundwater in the subject aquifers underlying the Subject Property. As additional wells are planned, permit applications shall be filed in accordance with Section 37-90-137(10), C.R.S.

B. Two or more wells constructed into a given aquifer shall be considered a well field. In effecting production of water from such well field, Applicant may produce the entire amount which may be produced from any given aquifer through any combination of wells within the well field. In Case No. 95CW111, Applicant was granted approval well fields in the form of alternate points of diversion, whereby previously decreed wells are designated as alternate points of diversion for each other. The Denver and Laramie-Fox Hills aquifer groundwater decreed herein may be withdrawn in combination with the water associated with the wells as decreed in Case No. 95CW111 and as referenced below, through wells located on the Subject Property or within the boundaries of Applicant as shown on Attachment B hereto:

1. The Denver aquifer groundwater decreed herein may be withdrawn in combination with not nontributary Denver aquifer Well No. 7DV (193 acre-feet) and DV-11 (57 acre-feet) as decreed in Case No. 90CW45, District Court, Water Division 2, and Well No. DEN-1 (187 acre-feet) as decreed in Case No. 85CW7, District Court, Water Division 2, as long as the amount of water collectively withdrawn annually does not exceed 465 acre-feet annually (437 acre-feet associated with Wells 7DV, DV-11, and DEN-1 and 28 acre-feet decreed herein) as shown on Attachment A hereto. For purposes of this decree, the water associated with Wells 7DV, DV-11, and DEN-1 will be withdrawn first and the water which is the subject of this decree will be withdrawn second.

2. The Laramie-Fox Hills aquifer groundwater herein may be withdrawn in combination with nontributary Laramie-Fox Hills aquifer Well No. LFH-8 (143.5 acre-feet) and LFH-9 (143.5 acre-feet) as decreed in Case No. 90CW45, District Court, Water Division 2, and Well No. LFH-1 (66 acre-feet) as decreed in Case No. 85CW7, District Court, Water Division 2, as long as the amount of water collectively withdrawn annually does not exceed 363 acre-feet annually (353 acre-feet associated with Wells LFH-8, LFH-9, and LFH-1 and 10 acre-feet decreed herein), subject to the reservation of said water in the augmentation plan described below.

C. In considering applications for permits for wells or additional wells to withdraw the groundwater which is the subject of this decree, the State Engineer shall be bound by this decree and shall issue said permits in accordance with provisions of Section 37-90-137(10), C.R.S.

D. In the event that the allowed average annual amounts decreed herein are adjusted pursuant to the retained jurisdiction of the Court, Applicant shall obtain permits to reflect such adjusted average annual amounts. Subsequent permits for any wells herein shall likewise reflect any such adjustment of the average annual amounts decreed herein.

E. The water in the Denver and Arapahoe aquifers are not nontributary and up to 28 acre-feet per year and no more than 2800 acre-feet total of water from the Denver and up to 14.9 acre-feet per year and no more than 1490 acre-feet total from the Arapahoe aquifer may be withdrawn pursuant to the augmentation

plan decreed herein. Applicant does not request that any Dawson water be withdrawn pursuant to the augmentation plan.

APPROVAL OF PLAN FOR AUGMENTATION

10. Approval of plan for augmentation:

A. Water to be augmented: All of the not nontributary Denver and Arapahoe aquifer groundwater decreed herein.

B. Water to be used for augmentation: Return flows through the Applicant's wastewater treatment plant from use of not nontributary and nontributary groundwater used in the Applicant's service area, return flows from irrigation use, or direct discharge of nontributary ground water decreed herein or as previously decreed in Case Nos. 90CW45 and 85CW7, District Court, Water Division 2.

C. Development and Consumptive Use: The subject not nontributary ground water will be used in Applicant's municipal water system.

D. Replacement during pumping: During pumping of the subject ground water, Applicant will replace depletions to the affected stream system in an amount equal to 4% of the annual amount withdrawn for each aquifer pursuant to Section 37-90-137(9)(c), C.R.S. Return flows from inhouse use of the subject groundwater within the Applicant's boundaries, accrues to the Arkansas River system through the District's wastewater treatment plant located on Monument Creek and those return flows are sufficient to replace the required amounts described above. Applicant may also take credit for return flows from irrigation of lawns and golf courses by the subject water pursuant to paragraph 5.C.2. of Consolidated Case Nos. 91CW16 and 93CW85, District Court, Water Division 2 and Case No. 93CW169, District Court, Water Division 1. Applicant may use, sell, trade, or assign any excess return flows not necessary for the operation its plan for augmentation herein pursuant to statute.

E. Post-pumping Depletion Augmentation: Assuming maximum pumping of 28 acre-feet per year from the Denver aquifer and 14.9 acre-feet per year from the Arapahoe aquifer for one hundred years, the total maximum depletion to the Arkansas River stream system from pumping of the Denver aquifer will be approximately 7.6% or 2.12 acre-feet which occurs in the 147th year and the

total maximum depletions to the Arkansas River stream system from pumping of the Arapahoe aquifer will be approximately 2.2% or 0.32 acre-feet which occurs in the 387th year. It is Applicant's position that depletions which occur after pumping ceases are not injurious. The Office of the State Engineer does not agree with this position. Nevertheless, in order to reach settlement with the Office of the State Engineer, Applicant will reserve 42.9 acre-feet per year and 4290 acre-feet total of nontributary Laramie-Fox Hills water decreed herein (10 acre-feet per year and 100 acre-feet total) and as decreed in Case Nos. 90CW45 or 85CW7, District Court, Water Division 2 (32.9 acre-feet per year and 3290 acre-feet total) for use in this plan. The Court retains continuing jurisdiction in this matter to determine if the supply is adequate.

F. Applicant shall replace post-pumping depletions for the shortest of the following periods: the period provided by Section 37-90-137(9)(c), C.R.S.; the expressed period specified by the Colorado Legislature, should it specify one and providing the Applicant obtains Water Court approval for such modification; the period determined by the State Engineer, should he choose to set such a period and have jurisdiction to do so; the period established through rulings of the Colorado Supreme Court on relevant cases, or until Applicant petitions the Water Court and after notice to parties in the case and the State Engineer's Office and proves that they have complied with any statutory requirement.

11. Failure of Applicant to comply with the terms of the decree may result in an order of the Division Engineer's office to curtail or eliminate pumping of the groundwater which is the subject of this augmentation plan.

12. Administration of plan for augmentation:

A. Applicant shall report to the Division Engineer for Water Division 2 on a monthly basis the metered withdrawals under this decree pursuant to paragraph 6.A. of Consolidated Case Nos. 91CW16 and 93CW85, District Court, Water Division 2 and Case No. 93CW169, District Court, Water Division 1.

B. All withdrawals which are the subject of this decree will be metered.

C. Pursuant to Section 37-92-305(8), C.R.S., the State Engineer shall curtail all out-of-priority diversions, the depletions from which are not so replaced as to prevent injury to vested water rights.

D. The Applicant at the direction of the Division Engineer, shall make post-pumping replacements to the Arkansas River stream system via Monument Creek pursuant to the depletion curves for the Denver and Arpahaoe aquifers attached as Attachment B hereto.

13. Retained jurisdiction for plan for augmentation:

A. Pursuant to Section 37-92-304(6), C.R.S., the Court retains continuing jurisdiction over the plan for augmentation decreed herein for reconsideration of the question whether the provisions of this decree are necessary and/or sufficient to prevent injury to vested water rights of others. The Court also has jurisdiction for the purposes of determining compliance with the terms of the augmentation plan.

B. Any person seeking to invoke the retained jurisdiction of the Court shall file a verified petition with the Court. The petition to invoke retained jurisdiction or to modify the Decree shall set forth with particularity the factual basis and the requested decretal language to effect the petition. The party lodging the petition shall have the burden of going forward to establish prima facie facts alleged in the petition. If the Court finds those facts to be established, Applicant shall thereupon have the burden of proof to show: (1) that any modification sought by Applicant will avoid injury to other appropriators, or (2) that any modification sought by Objector is not required to avoid injury to other appropriators, or (3) that any term or condition proposed by Applicant in response to the Objector's petition does avoid injury to other appropriators.

C. The Court retains jurisdiction for the purpose of determining whether the continued reservation of the nontributary water for use on the property is required. After notice to the State Engineer's Office, if Applicant can demonstrate to the Court that post-pumping depletions need no longer be replaced, the Court may remove the requirement that the nontributary water must be reserved.

CONCLUSIONS OF LAW

14. The Water Court has jurisdiction over this proceeding pursuant to Section 37-90-137(6), C.R.S. This Court concludes as a matter of law that the application herein is one contemplated by law. Section 37-90-137(4), C.R.S. The application for a decree confirming Applicant's right to withdraw and use all unappropriated ground water from the nontributary aquifers beneath the property as described herein pursuant to Section 37-90-137(4), C.R.S., should be granted, subject to the provisions of this decree. The application for a decree confirming Applicant's right to withdraw and use all ground water decreed herein from the Denver and Arapahoe aquifers should be granted pursuant to Section 37-90-137(4) and (9)(c), C.R.S., subject to the provisions of this decree. The withdrawal of up to 28 acre-feet per year and no more than 2800 acre-feet total of the Denver aquifer and up to 14.9 acre-feet per year and no more than 1490 acre-feet total of the Arapahoe aquifer water in accordance with the terms of this decree will not result in material injury to vested water rights of others. The Dawson aquifer water decreed herein will not be withdrawn until a plan for augmentation for use of that water is decreed in another court case.

15. This plan for augmentation satisfies the requirements of Section 37-90-137(9)(c), C.R.S., for replacement of an amount equal to 4% of the amount withdrawn for withdrawals of the Denver and Arapahoe aquifer water.

16. The rights to ground water determined herein shall not be administered in accordance with priority of appropriation. Such rights are not "conditional water rights" as defined by Section 37-92-103(6), C.R.S., requiring findings of reasonable diligence and are not applicable to the ground water rights determined herein. The determination of ground water rights herein need not include a date of initiation of the withdrawal project. See Section 37-92-305(11), C.R.S.

JUDGMENT AND DECREE

The Findings of Fact and Conclusions of Law set forth above are hereby incorporated into the terms of this Judgment and Decree as if the same were fully set forth herein.

17. Full and adequate notice of the application was given, and the Court has jurisdiction over the subject matter and over the parties whether they have appeared or not.

18. The Applicant may withdraw the subject ground water herein through wells to be located anywhere on the property, in the average annual amounts and at the estimated average rates of flow specified herein, subject to the limitations herein and the retained jurisdiction by this Court, and subject to well permits being obtained from the Office of the State Engineer pursuant to Section 37-90-137(4), C.R.S.

19. Applicant may withdraw up to 28 acre-feet per year and no more than 2800 acre-feet total of not nontributary ground water from the Denver aquifer and 14.9 acre-feet per year and no more than 1490 acre-feet total of not nontributary ground water from the Arapahoe aquifer under the plan for augmentation decreed herein pursuant to Section 37-90-137(9)(c), C.R.S.

20. Applicant has complied with all requirements and met all standards and burdens of proof, including but not limited to Sections 37-90-137(9)(c), 37-92-103(9), 37-92-302, 37-92-304(6), 37-92-305(1),(2),(3),(4),(6),(8),(9), C.R.S., to adjudicate its plan for augmentation and is therefor entitled to a decree confirming and approving its plan for augmentation as described in the findings of fact.

21. Pursuant to Section 37-92-305(5), C.R.S., the replacement water herein shall be of a quality so as to meet the requirements for which the water of the senior appropriator has normally used.

22. The proposed plan for augmentation as described in the findings of fact is hereby approved, confirmed, and adjudicated, including and subject to the terms and conditions specified herein.

23. No owners of or person entitled to use water under a vested water right or decreed conditional water right will be injured or injuriously affected by the operation of the plan for augmentation as decreed herein.

24. Retained Jurisdiction:

A. The Court retains jurisdiction as necessary to adjust the average annual amounts of ground water available under the

property to conform to actual local aquifer characteristics as determined from adequate information obtained from wells, pursuant to Section 37-92-305(11), C.R.S. Within 60 days after completion of any well decreed herein or any test hole(s), Applicant or any successor in interest to these water rights shall serve copies of such log(s) upon the State Engineer.

B. At such time as adequate data is available, any person, including the State Engineer, may invoke the Court's retained jurisdiction to make a Final Determination of Water Right. Within four months of notice that the retained jurisdiction for such purpose has been invoked, the State Engineer shall use the information available to him to make a final determination of water rights findings. The State Engineer shall submit such finding to the Water Court and to the Applicant.

C. If no protest to such finding is made within 60 days, the Final Determination of Water Rights shall be incorporated into the decree by the Water Court. In the event of a protest, or in the event the State Engineer makes no determination within four months, such final determination shall be made by the Water Court after notice and hearing.

25. Continuing Jurisdiction: Pursuant to Section 37-92-304(6), C.R.S., the Court retains 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. The Court also retains continuing jurisdiction for the purpose of determining compliance with the terms of the augmentation plan.

ENTERED this 26th day of March, 1998.

John E. Anderson, III
Water Judge
Water Division 2

THE FOREGOING IS HEREBY APPROVED AS TO CONTENT AND FORM AND APPROVED FOR ENTRY BY THE WATER JUDGE.

HOLLY I. HOLDER, P.C.

Date: Mar 5, 1998 By: Holly Holder

Holly I. Holder, #10216
518 - 17th Street, #1500
Denver, Colorado 80202
(303) 534-6315

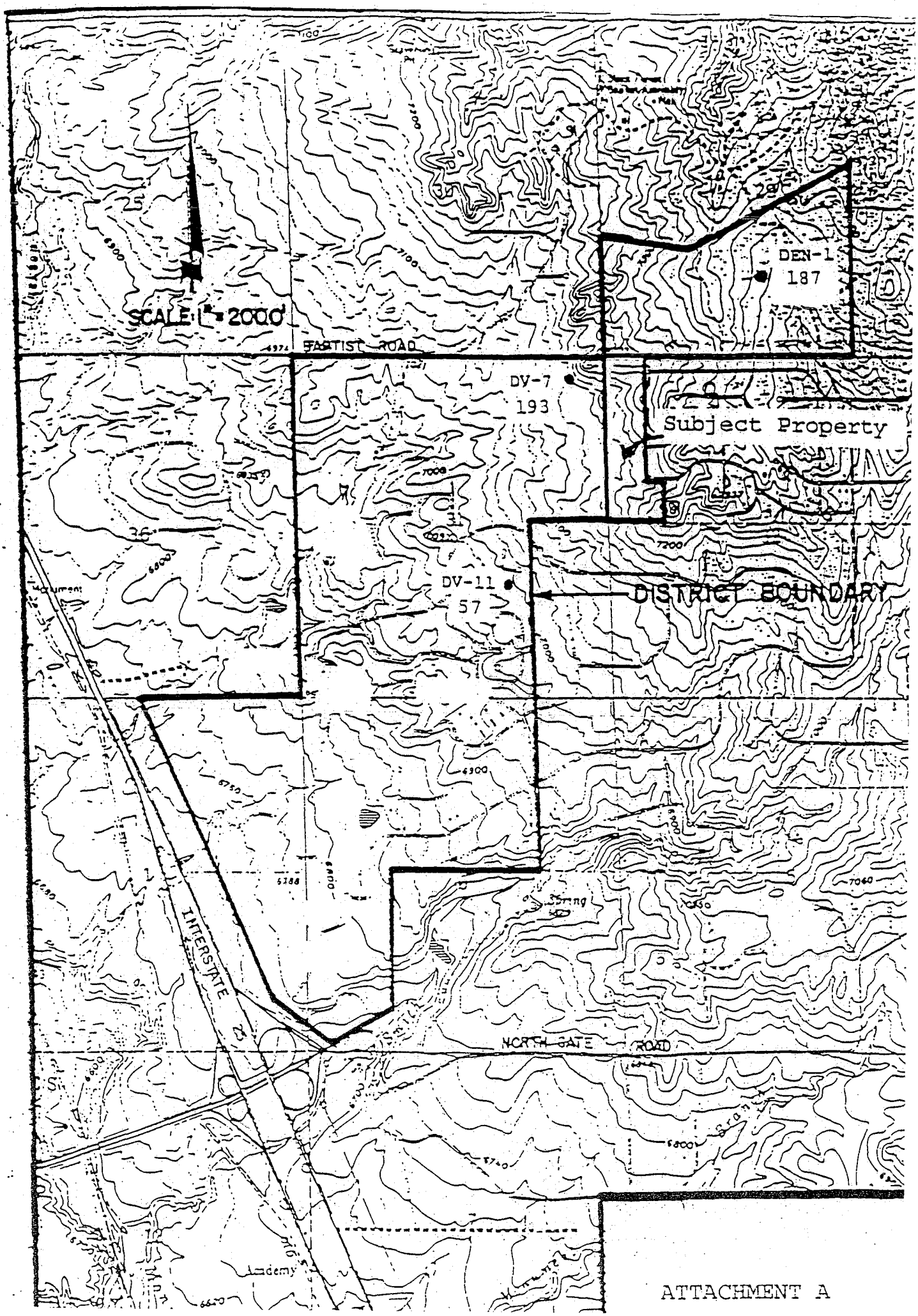
ATTORNEYS FOR APPLICANT

ANDERSON, DUDE, PIFHER & LEBEL, P.C.

Date: March 4, 1998 By: _____

William Kelly Dude, #13208
104 S. Cascade Ave., #204
P.O. Box 240
Colorado Springs, CO 80901
(719) 632-3545

ATTORNEYS FOR OBJECTOR CITY OF COLORADO SPRINGS



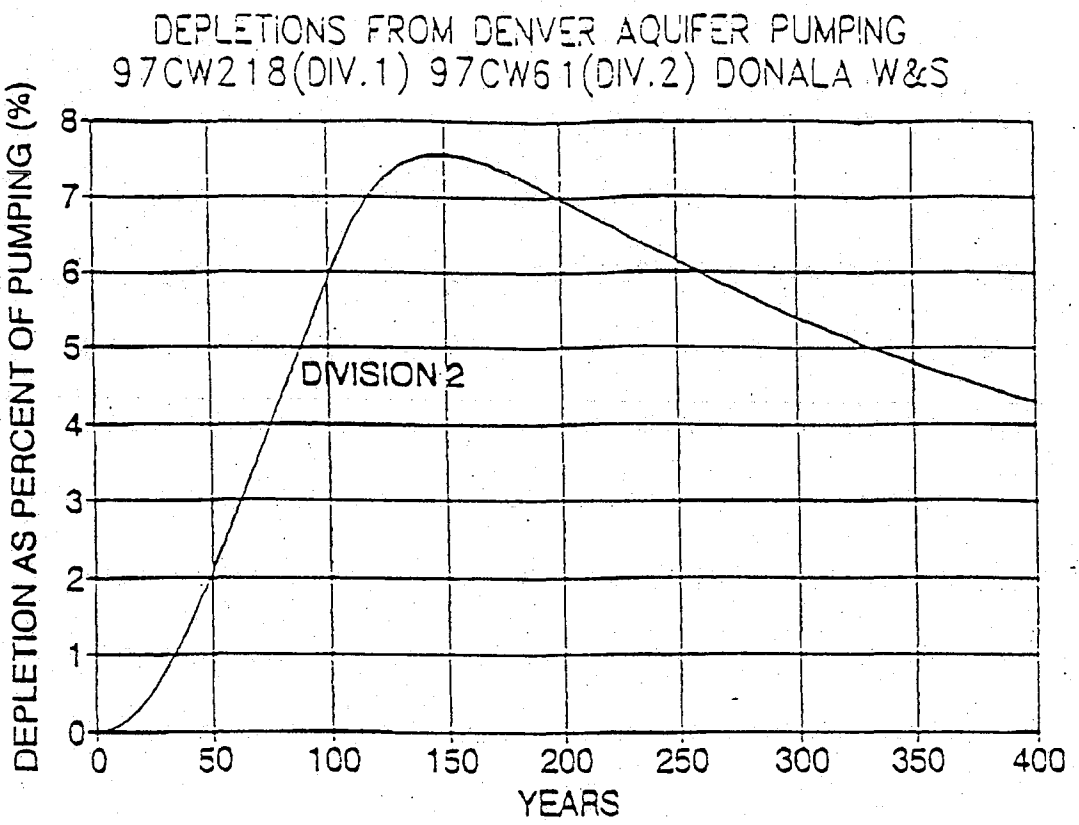
ATTACHMENT A

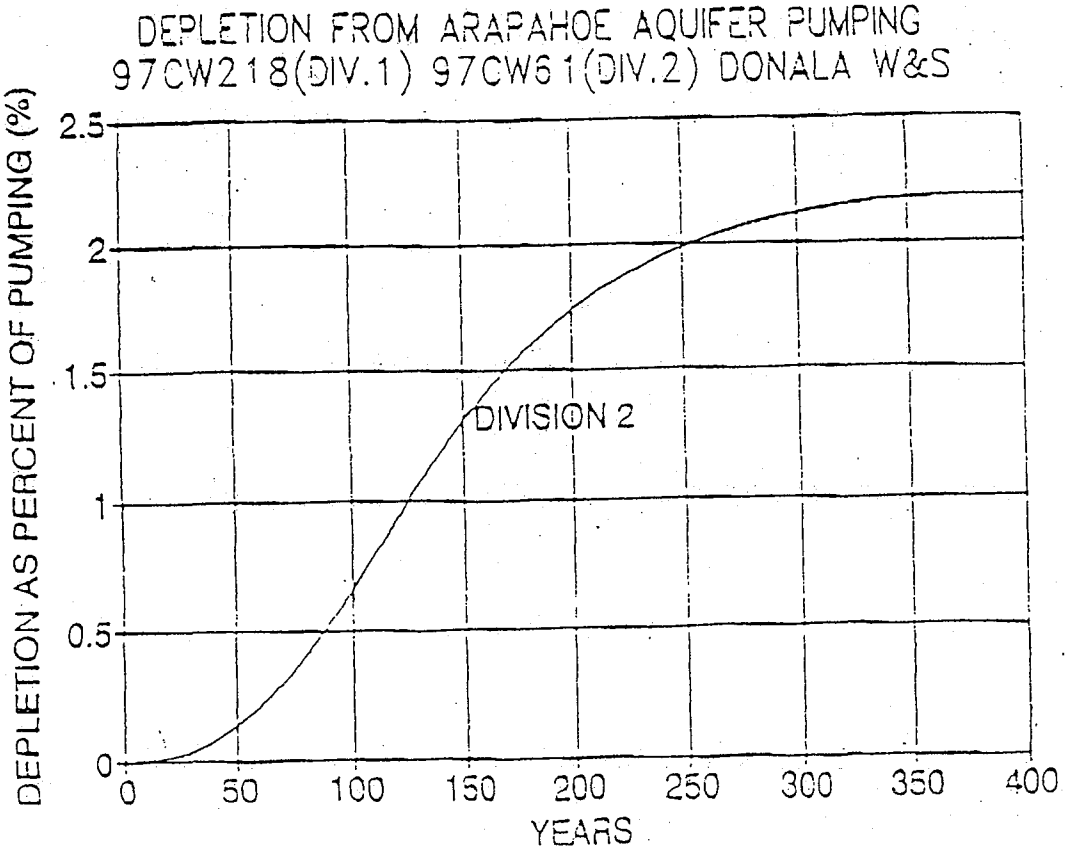
ATTACHMENT "A:

That parcel of land in the Northwest quarter of Section 32, Township 11 South, Range 66 West of the 6TH P.M.; located in El Paso County, Colorado and described as follows:

Beginning at the Southwest corner of the Northwest quarter thereof; thence North along the West line of the northwest quarter a distance of 2627.31 feet, thence East a distance of 500.16 feet, thence South a distance of 2070.77 feet, thence East a distance of 397.17 feet, thence South a distance of 559.55 feet to the South line of said Northwest quarter, thence West a distance of 907.76 feet to the point of beginning.

ATTACHMENT B





SUMMARY OF DENVER BASIN LEGISLATION AND THE IMPACT ON WATER AVAILABILITY BENEATH FOX RUN PARK

Denver Basin Aquifer	pre-SB 5 (SB 213)	SB5 with post pump	SB 5 with post pump alternative	SB5 with no post pump	SB96-74 proposed
Dawson	249 af/yr NT?	249 af/yr actual 10%	0 actual 10%	249 af/yr none	249 af/yr actual 20%
Denver	222 NT	222 4%	52 4%	222 none	222 actual 20%
Arapahoe	145 NT	145 4%	52 4%	145 none	145 actual 20%
Laramie-Fox Hills	104 NT	104 NT	0 NT	104 none	104 actual 10%
Water that can be pumped	567 af/yr	567 af/yr	104 af/yr	567 af/yr	567 af/yr
Replacement water needed	0	39.6	0	0	133.6
Cost of replacement water @ $10,000/af	$0	$396,000	$0	$0	$1,336,000

Footnotes:

This is an example of the potential impact of new legislation suggested by the State Engineer's Office

Estimates of water availability based on State maps, there is an existing Denver appropriation of 96 af/yr that reduces the amount of water available

Maximum depletions are estimates only, actual maximum depletions may be more or less

SB 5 with no post pumping depletions requires Water Court action

Cost of water based on Twin Lakes and Northgate Well costs, location of replacement and therefore costs can not be determined at this time, costs may be more of less

State estimates of depletions ranges from 9 to 28%, 10 and 20% are estimates only, to determine depletion under State suggestion requires operation of State model

APPENDIX E – SAMPLE AUGMENTATION PLAN REPORTING

ACCOUNTING FORM FOR PLAN FOR AUGMENTATION – CASE NO. 91WC16

Donala Water and Sanitation District
Month: June Year: 2009

I. Nontributary Pumping and Replacement

A. Case No. W-4216, 04CW113, 03CW85, 04CW22, 01CW140

	Pumping to Distribution System (af)	Pumping to Golf Course (af)	Total Amount Pumped (af)	Replacement Factor	Replacement Obligation (af)
No. 1	8.6	0	8.6	0	0
No. 2A	22.5	0	22.5	0	0
No. 2DV	8.3	0	8.3	0	0
No. 3A	0.8	0	0.8	0	0
No. 3DV	0.5	0	0.5	0	0
No. 4A	22.4	0	22.4	0	0
No. 8A	15.1	0	15.1	2%	0.302
No. 9A	26.2	0	26.2	0	0

Well No. 4A, permit No. 55359-F, permitted and decreed (03CW85) as an alternate point of diversion for Well Nos. 1 (Arapahoe aquifer portion), 2A and 3A. Total annual withdrawal from the four Arapahoe aquifer well limited to 825 af/yr, not including Well No. 8A. Total annual withdrawal from the Denver aquifer well numbers 2D and 3D limited to 575 af/yr. Pumping from Well No. 8A in excess of 66.7 considered not nontributary per 04CW22, as amended.

Arapahoe
1 8.6 (af)+ 89.7 (af) (October to May)= 98.3 (af)
2A 22.5 (af) (259 Max)
3A 0.8 (af)
4A 22.4 (af)
9A 26.2 (af)
Total 80.5 (af)+ 339.5 (af) (October to May)= 420 (af)
(825 Max)

8A 15.1 (af) + 0.1 (af) (October to May)= 15.2 (af)
(66.7 Max NT, remainder is NNT, see Sec. II.A)

Denver
1 0 (af)+ 0 (af) (October to May)= 0 (af)
2DV 8.3 (af) 1 (240 Max)
3DV 0.5 (af)
Total 8.8 (af)+ 35.9 (af) (October to May)= 44.7 (af)
(575 Max)

B. Case No. 90CW45 (District)
N/A

C. Case No. 85CW7 (Gassner)
N/A

D. Total Nontributary Pumping and Replacement

Total Pumping to Distribution System (af)	Total Pumping to Golf Course	Total Amount Pumped (af)	Total Replacement Obligation (af)
104.4	0	104.4	0.302

II. Not Nontributary Pumping and Replacement

A. Case No. 97CW61, 90CW45 & 91CW16, 85CW7, 04CW22, 01CW140 & 99CW61

	Pumping to Distribution System (af)	Pumping to Golf Course (af)	Total Amount Pumped (af)	(1) Replacement Factor	Replacement Obligation (af)
DA-5	0	0	0	2%	0.00
DA-6	0	0	0	2%	0.00
DV-7	8.5	0	8.5	4%	0.34
DA-10	Not Equipped	Not Equipped	Not Equipped	N/A	N/A
DV-11	2.3	0	2.3	4%	0.09
DV-13	1.3	0	1.3	4%	0.05
DEN-1	Not Drilled	Not Drilled	Not Drilled	4%	Not Drilled
8A(2)	0	0	0	4%	0.00
12A (3)	2.5	0	2.5	0	0.00
14A (4)	0	0	0	4%	0.00

(1) From Table 1 for Dawson Wells.
(2) NNT pumping from 8A occurs to the extent that year-to-date pumping from 8A has exceeded 66.7 af/yr, see Section I.A. NNT portion from 8A not to exceed 206.7 af/yr.

8A NNT 0 (af) + 2.5 (af) (October to May)= 2.5 (af)
(206.7 max)

(3) Total pumping year to date from 12A, No.2A and No. 3A: 163.3 (af)
(sum of monthly pumping from these three wells, year to date)

2.5 (12A) + 22.5 (2A) + 0.8 (3A) + 137.5 (October to May)= 163.3

2.5 (12A) + 22.5 (2A) + 0.8 (3A) + 406.5 = N/A

Less 406.5 = 0 (af) x .04 = 0.0000 (af)

(2) if total pumping year to date from 12A, No. 2A and No. 3A is less than 406.5 af, then replacement requirement is zero; if greater than 406.5 af, then replacement requirement is 4% for that portion in excess of 406.5 af pumped this month; total withdrawl from 12A can not exceed 500 af/yr (per 95CW111). 0

2.5 (12A) + 1.2 (October to May)= 3.7 (af)

(4) Total pumping fron Well No. 14A not to exceed 300.2 af in combination with other wells included in augmentation plan

0 (14A NNT) + 2.5 (October to May) + 0 = 2.5

B. Total Not Nontributary Pumping and Replacement

Total Pumping to Distribution System (af)	Total Pumping to Golf Course	Total Amount Pumped (af)	Total Replacement Obligation (af)
14.6	0	14.6	0.48

III. Tributary Pumping and Replacement
Permit No. 43505-F

A. Amount Pumped 0

B. Replacement Obligation 0
Note: Well used only for Waste Water Treatment Plant

IV. Pumping to Golf Course Pond

A. Amount Pumped Directly From Wells 0
(From I.D and II.B)

B. Amount Pumped (returned) from Waste Water Treatment Plant (metered) 6.3

C. Amount from Jake's Lake (metered) 1.4

D. Total Amount Pumped to Pond 7.7
(Sum of A, B, and C)

V. Other Waste Lease Agreements

A. El Paso County Parks Department 0
Monthly Replacement Requirements (from Table 2, attached)

B. Warden Williams CW 86 (From Table 2, attached) 0

C. Jay Campbell Pond # 1 (From Table 2, attached) 0.43

D. Jake's Lake and Evaporation (Table 3) 1.49

E. Other 9.02

F. Total (sum of A-E) 10.94

VI. Upper Monument Creek Regional Wastewater Treatment Facility – Influent and Effluent

A. Metered Influent and Effluent

Influent (Donala Only) 48.26
Effluent (001A less Triview/Forest Lakes Influent) 38.66

B. 95% of Avg In-House Monthly Base Use for Previous Winter, Dec-Feb 46.44
(From Annual Res./Com. Ret. Flow Worksheet Line 4 x 0.95)

C. Lesser of B or Effluent from A. Represents amount of Effluent Claimed — 38.66

VII. Summary of Return Flows

A. Returns to Monument Creek

Direct Discharge

1. Effluent Return Flows (From VI.C) — 38.66

2. Effluent Return Flows less Lease Agreements (Line VII.A.1 – Line V.F) — 27.72

Golf Course Returns

3. Golf Course Zone 1 Returns (From last year's Annual G. C. Ret. Flow Worksheet, Line 16.1 / 12 months) — 0

4. Golf Course Zone 2 Returns (From 2 Years Previous' Annual G. C. Ret. Flow Worksheet, Line 16.2 / 12 months) — 1.03

5. Golf Course Surface Water Runoff (From last year's Annual G. C. Ret. Flow Worksheet Line 4 / 12 months) — 0.23

Residential / Commercial Lawn Irrigation Returns

6. Residential/Commercial Zone 1 Lawn Irrigation Returns (From last year's Annual Res./Com. Ret. Flow Worksheet, Line 19.2 / 12 months) — 0.4

7. Residential/Commercial Zone 2 Lawn Irrigation Returns (From 2 years previous Annual Res./Com. Ret. Flow Worksheet, Line 19.2 / 12 months) — 1.74

8. Residential/Commercial Surface Water Runoff (From last year's Annual Res./Com. Ret. Flow Worksheet, Line 6 / 12 months) — 0.98

Total Returns

9. Available Returns to Monument Creek (Sum: Lines 2 through 8) — 32.1

B. Returns to the Dawson Aquifer

1. Golf Course Zone 3 Returns (From Annual G. C. Ret. Flow Worksheet Line 18 / 12 months) — 0.03

2. Residential / Commercial Zone 3 Lawn Irrigation Returns (From Annual Res./Com. Ret. Flow Worksheet Line 21 / 12 months) — 0.08

3. Total Returns to Dawson (Line 1 & Line 2) — 0.11

VIII. Balance Of Depletions and Replacement

A. Depletions During The Accounting Period (Line I.D + Line II.B + Line III.B) — 0.79

B. Total Return Flows Available (Line VII.A.9 + Line VII.B.3) — 32.21

C. Amount of Gross Excess Returns (Donala Only) (Line B – Line A) — 31.42

C1. Miscellaneous — 0

D. Total Excess for Year

1. Cumulative total prior to this month (October to May) — 227.07

2. Current month excess (Line VIII.C)	31.42
3. Total excess (Line 1 + Line 2)	258.50

APPENDIX F – WATER QUALITY DATA

DONALA WSD 2014 Drinking Water Quality Report
For Calendar Year 2013

Public Water System ID: CO0121175

Esta es información importante. Si no la pueden leer, necesitan que alguien se la traduzca.

We are pleased to present to you this year's water quality report. Our constant goal is to provide you with a safe and dependable supply of drinking water. Please contact KIP PETERSEN at 719-488-3603 with any questions about the Drinking Consumer Confidence Rule (CCR) or for public participation opportunities that may affect the water quality.

General Information

All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (1-800-426-4791) or by visiting http://water.epa.gov/drink/contaminants.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV-AIDS or other immune system disorders, some elderly, and infants can be particularly at risk of infections. These people should seek advice about drinking water from their health care providers. For more information about contaminants and potential health effects, or to receive a copy of the U.S. Environmental Protection Agency (EPA) and the U.S. Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and microbiological contaminants call the EPA Safe Drinking Water Hotline at (1-800-426-4791).

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water include:

- **Microbial contaminants:** viruses and bacteria that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- **Inorganic contaminants:** salts and metals, which can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- **Pesticides and herbicides:** may come from a variety of sources, such as agriculture, urban stormwater runoff, and residential uses.
- **Radioactive contaminants:** can be naturally occurring or be the result of oil and gas production and mining activities.
- **Organic chemical contaminants:** including synthetic and volatile organic chemicals, which are byproducts of industrial processes and petroleum production, and also may come from gas stations, urban storm water runoff, and septic systems.

In order to ensure that tap water is safe to drink, the Colorado Department of Public Health and Environment prescribes regulations limiting the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration regulations establish limits for contaminants in bottled water that must provide the same protection for public health.

Lead in Drinking Water

If present, elevated levels of lead can cause serious health problems (especially for pregnant women and young children). It is possible that lead levels at your home may be higher than other homes in the community as a result of materials used in your home's plumbing. If you are concerned about lead in your water, you may wish to have your water tested. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. Additional information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline (1-800-426-4791) or at http://www.epa.gov/safewater/lead.

Source Water Assessment and Protection (SWAP)

The Colorado Department of Public Health and Environment has provided us with a Source Water Assessment Report for our water supply. For general information or to obtain a copy of the report please visit http://wqcdcompliance.com/ccr. The report is located under "Source Water Assessment Reports", and then "Assessment Report by County". Select EL PASO County and find 121175; DONALA WSD or by contacting KIP PETERSEN at 719-488-3603. The Source Water Assessment Report provides a screening-level evaluation of potential contamination that ***could*** occur. It ***does not*** mean that the contamination ***has or will*** occur. We can use this information to evaluate the need to improve our current water treatment capabilities and prepare for future contamination threats. This can help us ensure that quality finished water is delivered to your homes. In addition, the source water assessment results provide a starting point for developing a source water protection plan. Potential sources of contamination in our source water area are listed on the next page.

Please contact Kip Petersen at 719 - 488-3603 or use our contact page on the web site at www.donalawater.org to learn more about what you can do to help protect your drinking water sources, any questions about the Drinking Water Consumer Confidence Report, to learn more about our system, or to attend scheduled public meetings. We want you, our valued customers, to be informed about the services we provide and the quality water we deliver to you every day.

Our Water Sources

Source	Source Type	Water Type	Potential Source(s) of Contamination
PURCHASED WATER FROM CO0121150	Consecutive Connection Colorado Springs Utilities	Surface Water	Aboveground, underground and leaking storage tank sites. Other Facilities Commercial/ Industrial transportation High and Low Intensity Residential Urban Recreational Grasses Deciduous Forest Evergreen Forest Quarries/ Strip Mines/ Gravel pits Agricultural Land (row crops, small grains, pasture/hay, follow & others) Septic Systems Oil and Gas Wells Road Miles
WELL No 1A	Well	Groundwater	
WELL NO 2A-R	Well	Groundwater	
WELL NO 2D -R	Well	Groundwater	
WELL NO 3A	Well	Groundwater	
WELL NO 3D	Well	Groundwater	
WELL NO 4A	Well	Groundwater	
WELL NO 7D	Well	Groundwater	
WELL NO 8A	Well	Groundwater	
WELL NO 9A	Well	Groundwater	
WELL NO 10DA EMERGENCY	Well (NOT EQUIPPED)	Groundwater	
WELL NO 11D	Well	Groundwater	
WELL NO 12A	Well	Groundwater	
WELL NO 13D	Well	Groundwater	
WELL NO 14A	Well	Groundwater	

Terms and Abbreviations

- **Maximum Contaminant Level (MCL)** – The highest level of a contaminant allowed in drinking water.
- **Treatment Technique (TT)** – A required process intended to reduce the level of a contaminant in drinking water.
- **Action Level (AL)** – The concentration of a contaminant which, if exceeded, triggers treatment and other regulatory requirements.
- **Maximum Residual Disinfectant Level (MRDL)** – The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
- **Maximum Contaminant Level Goal (MCLG)** – The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
- **Maximum Residual Disinfectant Level Goal (MRDLG)** – The level of a drinking water disinfectant, below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
- **Violation (No Abbreviation)** – Failure to meet a Colorado Primary Drinking Water Regulation.
- **Formal Enforcement Action (No Abbreviation)** – Escalated action taken by the State (due to the risk to public health, or number or severity of violations) to bring a non-compliant water system back into compliance.
- **Variance and Exemptions (V/E)** – Department permission not to meet a MCL or treatment technique under certain conditions.
- **Gross Alpha (No Abbreviation)** – Gross alpha particle activity compliance value. It includes radium-226, but excludes radon 222, and uranium.

- **Picocuries per liter (pCi/L)** – Measure of the radioactivity in water.
- **Nephelometric Turbidity Unit (NTU)** – Measure of the clarity or cloudiness of water. Turbidity in excess of 5 NTU is just noticeable to the typical person.
- **Compliance Value (No Abbreviation)** – Single or calculated value used to determine if regulatory contaminant level (e.g. MCL) is met. Examples of calculated values are the 90th Percentile, Running Annual Average (RAA) and Locational Running Annual Average (LRAA).
- **Average (x-bar)** – Typical value.
- **Range (R)** – Lowest value to the highest value.
- **Sample Size (n)** – Number or count of values (i.e. number of water samples collected).
- **Parts per million = Milligrams per liter (ppm = mg/L)** – One part per million corresponds to one minute in two years or a single penny in $10,000.
- **Parts per billion = Micrograms per liter (ppb = ug/L)** – One part per billion corresponds to one minute in 2,000 years, or a single penny in $10,000,000.
- **Parts per trillion = Nanograms per liter (ppt = ng/L)** – One part per trillion corresponds to one minute in 2,000,000 years, or a single penny in $10,000,000,000.
- **Parts per quadrillion = Picograms per liter (ppq = pg/L)** – One part per quadrillion corresponds to one minute in 2,000,000,000 years or one penny in $10,000,000,000,000.
- **Not Applicable (N/A)** – Does not apply or not available.

Detected Contaminants

DONALA WSD routinely monitors for contaminants in your drinking water according to Federal and State laws. The following table(s) show all detections found in the period of January 1 to December 31, 2013 unless otherwise noted. The State of Colorado requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year, or the system is not considered vulnerable to this type of contamination. Therefore, some of our data, though representative, may be more than one year old. Violations and Formal Enforcement Actions, if any, are reported in the next section of this report.

Note: Only detected contaminants sampled within the last 5 years appear in this report. If no tables appear in this section then no contaminants were detected in the last round of monitoring.

Lead and Copper Sampled in the Distribution System

Contaminant Name	Time Period	90th Percentile	Sample Size	Unit of Measure	90th Percentile AL	Sample Sites Above AL	90th Percentile AL Exceedance	Typical Sources
Copper	08/07/2013 to 08/07/2013	0.2	25	ppm	1.3		No	Corrosion of household plumbing systems; Erosion of natural deposits
Lead	08/07/2013 to 08/07/2013	2.7	25	ppb	15		No	Corrosion of household plumbing systems; Erosion of natural deposits

Disinfection Byproducts Sampled in the Distribution System										
Name	**Year**	**Average**	**Range Low – High**	**Sample Size**	**Unit of Measure**	**MCL**	**MCLG**	**Highest Compliance Value**	**MCL Violation**	**Typical Sources**
Total Haloacetic Acids (HAA5)	2013	8.6	4 to 12.5	8	ppb	60	N/A		No	Byproduct of drinking water disinfection
Total Trihalomethanes (TTHM)	2013	14.95	7.2 to 23.9	8	ppb	80	N/A		No	Byproduct of drinking water disinfection

Radionuclides Sampled at the Entry Point to the Distribution System									
Contaminant Name	**Year**	**Average**	**Range Low – High**	**Sample Size**	**Unit of Measure**	**MCL**	**MCLG**	**MCL Violation**	**Typical Sources**
Gross Alpha	2012	6.3	5.6 to 7	2	pCi/L	15	0	No	Erosion of natural deposits
Combined Radium	2012	2.4	2.1 to 2.7	2	pCi/L	5	0	No	Erosion of natural deposits

Inorganic Contaminants Sampled at the Entry Point to the Distribution System									
Contaminant Name	**Year**	**Average**	**Range Low – High**	**Sample Size**	**Unit of Measure**	**MCL**	**MCLG**	**MCL Violation**	**Typical Sources**
Barium	2012	0.05	0.05 to 0.05	2	ppm	2	2	No	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Fluoride	2012	1.05	1 to 1.1	2	ppm	4	4	No	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate	2013	0.03	0 to 0.07	4	ppm	10	10	No	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits

Unregulated or Secondary Contaminants** **Secondary standards are non-enforceable guidelines for contaminants that may cause cosmetic effects (such as skin, or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water.						
Contaminant Name	**Year**	**Average**	**Range Low – High**	**Sample Size**	**Unit of Measure**	**Secondary Standard**
Total Dissolved Solids	2012	143	124 to 162	2	ppm	500

Violations, Significant Deficiencies, and Formal Enforcement Actions

No Violations or Formal Enforcement Actions

Colorado Springs Utilities
It's how we're all connected

Colorado Springs Utilities (PWSID # CO0121150)
2014 Water Quality Report Information for
Donala Water & Sanitation District (PWSID # CO0121175)

WATER SOURCE INFORMATION

With no major source of water nearby, Colorado Springs Utilities relies on a raw water collection system that delivers water to Colorado Springs from nearly 200 miles away. The headwaters, or sources, that supply these systems originate in wilderness areas near Aspen, Leadville, and Breckenridge. Nearly 75% of our water originates from many mountain streams (surface water). Water from these streams is collected and stored in various reservoirs along the Continental Divide. The collection systems in this area consist of the Homestake, Fryingpan-Arkansas, Twin Lakes, and Blue River systems. The majority of this water is transferred to Colorado Springs through pipelines that help to protect the water from contamination, such as, herbicides, pesticides, heavy metals, and other chemicals. Water delivered to Colorado Springs is stored at Rampart Reservoir and at the Catamount reservoirs on Pikes Peak which then supply Colorado Springs Utilities' Pine Valley and McCullough water treatment plants.

We also use local surface and ground water sources. Local surface water sources originate from the North and South slopes of Pikes Peak and from the Northfield Watershed. Local ground water sources consist of two wells (900-1100 feet deep) pumped from the Arapahoe aquifer and two wells (500-750 feet deep) pumped from the Denver aquifer.

Your water source may vary during the year and may be a blend of surface water and ground water.

STATE SOURCE WATER ASSESSMENT

The **Colorado Source Water Assessment and Protection (SWAP)** program is a preventative approach to protecting public drinking water supplies. The Colorado Department of Public Health & Environment (CDPHE) provided us with a Water Assessment Report for our water sources. This report included our surface water sources, our purchased water source (FVA PWSID CO0121300) and also our wells on the Widefield aquifer (which have not been in use since September 2004).

Potential sources of contamination to our source water areas come from:

- EPA Superfund Sites
- EPA Abandoned Contaminated Sites
- EPA Hazardous Waste Generators
- EPA Chemical Inventory/Storage Sites
- EPA Toxic Release Inventory Sites
- Permitted Wastewater Discharge Sites
- Aboveground, Underground and Leaking Storage Tank Sites
- Solid Waste Sites
- Existing/Abandoned Mine Sites
- Concentrated Animal Feeding Operations
- Other Facilities
- Commercial/Industrial Transportation
- High and Low Intensity Residential
- Urban Recreational Grasses
- Quarries/Strip Mines/Gravel Pits
- Agricultural land (row crops, small grain, pasture/hay, orchards/vineyards, fallow & other)
- Forest
- Septic Systems
- Oil/Gas Wells
- Road Miles

Colorado Springs Utilities is dedicated to protecting our source waters and ensuring quality treated water is delivered to our customers. The results of the source water assessment are not a reflection of our treated water quality you receive at the system connection, but rather a rating of the susceptibility of contamination under the guidelines of the Colorado SWAP program.

For source water assessment information or to download a complete report, visit the CDPHE's website at http://www.colorado.gov/cs/Satellite/CDPHE-WQ/CBON/1251609747742.

POSSIBLE WATER CONTAMINANTS

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water include:

- Microbial contaminants, such as viruses and bacteria that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- Pesticides and herbicides that may come from a variety of sources, such as agriculture, urban stormwater runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, which are byproducts of industrial processes and pretroleum production, and also may come from gas stations, urban stormwater runoff, and septic systems.
- Radioactive contaminants, that can be naturally occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the Environmental Protection Agency (EPA) prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. The US Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water that must provide the same protection for public health.

VULNERABLE POPULATIONS ADVISORY

Some individuals may be more vulnerable to contaminants in drinking water than the public in general. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. Immunocompromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV-AIDS or other immune system disorders, some elderly, and infants can be particularly at risk of infections. These people should seek advice about drinking water from their health care providers. For more information about contaminants and potential health effects, or to receive a copy of the EPA and Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and microbiological contaminants, call the EPA Safe Drinking Water Hotline at 1-800-426-4791 or visit www.epa.gov.

MICROBIOLOGICAL INFORMATION

Colorado Springs Utilities performs a Microscopic Particulate Analysis (MPA) on each of its treatment plants that use surface water as a source. The MPA determines particulate removal, expressed as a log reduction, between the source water entering the filters and the treated water exiting the filters. For 2013, the range of log reductions for McCullough and Pine Valley water treatment plants was 1.4-5.4, which can be equivalently expressed as 95.69% - 100.0%.

Cryptosporidium is a microbial pathogen found in surface water throughout the United States. Although filtration removes cryptosporidium, the most commonly used filtration methods cannot guarantee 100 percent removal. No cryptosporidia were detected in the treated water distributed from our water treatment plants however our monitoring did indicate the presence of these organisms in our source water. Current test methods do not allow us to determine if the organisms found in the source water are dead or if they are capable of causing disease. Ingestion of cryptosporidium may cause cryptosporidiosis, an abdominal infection. Symptoms of infection include nausea, diarrhea and abdominal cramps. Most healthy individuals can overcome the disease within a few weeks. However, immunocompromised people are at greater risk of developing the life-threatening illness. We encourage immunocompromised individuals to consult their doctor regarding appropriate precautions to take to avoid infection. Cryptosporidium must be ingested to cause disease, and it may be spread through means other than drinking water.

LEAD INFORMATION

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Colorado Springs Utilities is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When water has been sitting for several hours, minimize the potential for lead exposure by flushing the tap for 30 seconds to 2 minutes before using the water for drinking or cooking. If there is a concern about lead in the water, the water may be tested. Information on lead in drinking water, testing methods, and steps to take to minimize exposure is available from the EPA Safe Drinking Water Hotline at 1-800-426-4791 or at www.epa.gov.

FLUORIDE INFORMATION

Fluoride is a compound found naturally in many places, including soil, food, plants, animals and the human body. It is also found naturally at varying levels in all Colorado Springs' water sources. Colorado Springs Utilities does not add additional fluoride to the treated water. Any fluoride in the treated water results from what occurs naturally in our source waters.

UNREGULATED CONTAMINANT MONITORING RULE (UCMR)

The 1996 amendments to the Safe Drinking Water Act required that EPA establish criteria for a program to monitor unregulated contaminants and to identify no more than 30 unregulated contaminants to be monitored every five years.

Unregulated contaminants are those contaminants that do not have a drinking water standard (maximum contaminate level) established by EPA. The purpose of the UCMR is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted.

The third round of the UCMR required monitoring for 28 contaminants. Colorado Springs Utilities was required to monitoring for these contaminants for 4 quarters, starting in July 2013. The results for any contaminants detected, to date, are listed below.

Contaminant	Average Level Detected (Range)	Units	Sample Dates	Potential Sources of Contamination
Molybdenum	0.36 (ND – 1.4)	ppb	Jul, Oct 2013 & Jan 2014	Used to make steel alloys, and in high-pressure and high-temperature applications, as pigments and catalysts.
Strontium	79.3 (46 – 110)	ppb	Jul, Oct 2013 & Jan 2014	Used in making ceramics and glass products, pyrotechnics, paint pigments, fluorescent lights, and medicines.
Vanadium	0.02 (ND – 0.31)	ppb	Jul, Oct 2013 & Jan 2014	Used to make metal alloys. Used in making rubber, plastics, ceramics, and other chemicals.
Chlorate	4.8 (ND – 63)	ppb	Jul, Oct 2013 & Jan 2014	Powerful oxidizer once used in pyrotechnics. Can be chemically bound to make metal salts.

Updated results can be found at www.csu.org or by calling (719) 668-4560.

WANT MORE INFORMATION

The Utilities Board (Colorado Springs Utilities governing body) meets monthly usually on the third Wednesday of the month. Call (719) 668-4800 or visit www.csu.org for a full schedule and more information.
For questions concerning this report, please call (719) 668-4560.

TABLES OF DETECTED CONTAMINANTS

Colorado Springs Utilities is required to monitor for certain contaminants less than once a year because the concentration of the contaminants are not expected to vary significantly from year to year, or the drinking water system is not considered vulnerable to this type of contamination. Some of the data, though representative, may be more than one year old.

We monitor for contaminants at a variety of locations. These locations are determined by the regulations concerning specific contaminants. Why are different locations specified? The different locations address water chemistry considerations, water system quality and integrity considerations, and special circumstances that impact a contaminant's level in drinking water.

Colorado Springs Utilities has been issued waivers for asbestos, cyanide, dioxin, glyphosate, nitrite and all unregulated inorganic contaminants. The tables on the following pages show the combined results of our monitoring for McCullough, Pine Valley and Northgate water treatment plants for the period of January 1 through December 31, 2013, unless otherwise noted.

DEFINITIONS

- Action Level (AL): The concentration of a contaminant, if exceeded, triggers treatment or other requirements a water system must follow.
- Location Running Annual Average (LRAA): Based on the monitoring requirements, the average of 12 consecutive monthly analytical results or the average of four consecutive quarter analytical results at a particular monitoring location.
- Maximum Contaminant Level (MCL): The "maximum allowed" is the highest level of a contaminant that is allowed in drinking water. The MCL is set as close to the MCLG as feasible using the best available treatment technology.
- Maximum Contaminant Level Goal (MCLG): The "goal" is the level of a contaminant in drinking water, below which there is no known or expected risk to health. The MCLG allows for a margin of safety.
- Maximum Residual Disinfectant Level (MRDL): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
- Maximum Residual Disinfectant Level Goal (MRDLG): The level of a drinking water disinfectant, below which there is no known or expected risk to health. The MRDLG does not reflect the benefits of the use of disinfectants to control microbial contaminants.
- N/A: Not applicable
- Nephelometric Turbidity Unit (NTU): Nephelometric turbidity unit is a measure of the clarity of water. Turbidity in excess of five NTU is just noticeable to the average person.
- Non-detect (ND): Result is below the reportable level for the analysis.
- Parts per billion (ppb) or micrograms per liter (µg/L): One part per billion corresponds to one minute in 2,000 years or one penny in $10,000,000.
- Parts per million (ppm) or milligrams per liter (mg/L): One part per million corresponds to one minute in two years or one penny in $10,000.
- Picocuries per liter (pCi/L): A measure of radioactivity in water.
- Running Annual Average (RAA): Based on the monitoring requirements, the average of 12 consecutive monthly averages or the average of 4 consecutive quarter averages.
- Treatment Technique (TT): A treatment technique is a required process intended to reduce the level of a contaminant in drinking water to comply with regulations.
- Waiver: State permission not to test for a specific contaminant.

Detected Contaminants Tables

Colorado Springs Utilities (PWSID CO0121150)

Monitored at the McCullough , Pine Valley and Northgate Water Treatment Plants (entry points to the distribution system)

Contaminant	MCL	MCLG	Units	Highest Level Detected (Range)	MCL Violation	Sample Dates	Possible Source(s) of Contamination
Alpha emitters	15	0	pCi/L	1.2 (ND-1.2)	No	May, Aug, Oct 2010	Erosion of natural deposits
Barium	2	2	ppm	0.0222 (0.0212-0.0222)	No	Aug 2013	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Di(2-ethylhexyl) phthalate	6	0	ppb	1.0 (ND-1.0)	No	Jun, Aug, Oct 2013	Discharge from rubber and chemical factories
Fluoride	4	4	ppm	0.21 (0.13-0.21)	No	Aug 2013	Erosion of natural deposits; discharge from fertilizer and aluminum factories
Hexachlorocyclopentadiene	50	50	ppb	0.051 (ND-0.051)	No	Jun, Aug, Oct 2013	Discharge from chemical factories
Nickel	N/A	N/A	ppb	1.3 (ND-1.3)	No	Aug 2013	Erosion of natural deposits; discharge from industries; discharge from refineries and steel mills
Nitrate (as Nitrogen)	10	10	ppm	0.05 (ND-0.05)	No	Aug 2013	Runoff from fertilizer use, leaching from septic tanks, sewage, erosion of natural deposits
Radium, Combined 226, 228	5	0	pCi/L	0.4 (0.1-0.4)	No	May, Aug, Oct 2010	Erosion of natural deposits
Sodium	N/A	N/A	ppm	8.44 (8.12-8.44)	No	Aug 2013	Erosion of natural deposits
Total Organic Carbon (TOC)[1]	TT	N/A	N/A	N/A	No	Running Annual Average	Naturally present in the environment
Turbidity[2]	TT ≤0.3 in 95% of monthly samples	N/A	NTU	Highest turbidity 0.68 (Jan 2013) 100% of samples ≤0.3	No	Jan – Dec 2013	Soil Runoff

[1]The Disinfectants and Disinfection Byproducts Rule provides several alternative compliance criteria besides the TOC removal ratios. We did not report TOC removal ratios because we demonstrated compliance with alternative criteria. The alternative compliance criteria that we use is 40CFR §141.135(a)(2)(ii); our treated water TOC levels are <2.0ppm calculated quarterly as a running annual average.

[2]Turbidity is a measure of the cloudiness of the water and has no known health effects. We monitor turbidity because it is a good indicator of the effectiveness of our filtration system. Compliance with the TT of 95% of samples ≤0.3NTU is calculated using combined filter effluent turbidity results taken 6 times per day at 1:00, 5:00 and 9:00 a.m. and p.m.

The following tables contain data sampled from representative sites throughout Colorado Springs Utilities distribution system. The listed average level detected or 90th percentile may not correspond directly to the treatment plants represented in this report.

Monitored in the Distribution System

Contaminant	MCL	MCLG	Units	Average Level Detected (Range)	Highest LRAA (site)	MCL Violation	Sample Dates	Possible Source(s) of Contamination
Chlorine[1]	MRDL = 4	MRDLG=4	ppm	0.41 (0.04-1.1)	N/A	No	Jan – Dec 2013	Drinking water disinfectant used to control microbes
Haloacetic Acids 5 (HAA5)	60	N/A	ppb	32.2 (13.3-49.7)	46.2 (Wolf Village Dr.)	No	Jan, Apr, Jul, Oct 2013	By-product of drinking water disinfection
Total Trihalomethanes (TTHM)	80	N/A	ppb	44.1 (25.4-76.2)	57.6 (Cedar Heights Dr.)	No	Jan, Apr, Jul, Oct 2013	By-product of drinking water disinfection
Total Coliform	5% of monthly samples are positive	0	Absent/ Present	0.88% (Sep 2013) (0.79 – 0.88%);	N/A	No	Jan – Dec 2013	Naturally present in the environment

[1]Compliance with the MRDL is based on the running annual average.

Monitored at Consumer's Tap

Contaminant	AL at the 90th Percentile	MCLG	Units	90th Percentile	MCL Violation	Sample Dates	Possible Source(s) of Contamination
Copper[1]	1.3	1.3	ppm	0.199	No	Jun – Jul 2012	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead[1]	15	0	ppb	7.2	No	Jun – Jul 2012	Corrosion of household plumbing systems; erosion of natural deposits

[1]No sites exceeded the Action Level, for either Copper or Lead, out of 52 sites sampled.

Donala Water & Sanitation District
15850 Holbein Dr.
Colorado Springs, CO 80921

www.donalawater.org

Source ID	***Supply***
EP001 (R Hull WTP)	Wells 9A, 2A, 2D
EP002 (Holbein WTP)	Wells 3A, 4A, 7D, 8A, 11D, 12A
EP013T	Well 13
EP024 (Holbien WTP)	Wells 3A, 4A, 7D, 8A, 11D, 12A
	Well 4A
	Well 7D
	Well 9D
	Well 11D

2013 & 2014 MONITORING OF DISINFECTION BYPRODUCTS

Accutest Laboratories

Report of Analysis

Client Sample ID:	DBP001		
Lab Sample ID:	D55438-2	Date Sampled:	02/27/14
Matrix:	DW - Drinking Water	Date Received:	02/27/14
Method:	EPA 524.2	Percent Solids:	n/a
Project:	PWSID CO0121175 Donala W&S District		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8V05437.D	1	02/27/14	EV	n/a	n/a	V8V250
Run #2							

	Purge Volume
Run #1	25.0 ml
Run #2	

VOA THM List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
75-27-4	Bromodichloromethane	2.5		0.50	0.50	ug/l	
75-25-2	Bromoform	0.97		0.50	0.50	ug/l	
67-66-3	Chloroform	1.9		0.50	0.50	ug/l	
124-48-1	Dibromochloromethane	2.7		0.50	0.50	ug/l	
	Total Trihalomethane	8.1	80	0.50	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	98%		70-130%
2199-69-1	1,2-Dichlorobenzene-d4	99%		70-130%

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	DBP001		
Lab Sample ID:	D55438-2	Date Sampled:	02/27/14
Matrix:	DW - Drinking Water	Date Received:	02/27/14
Method:	EPA 552.2 EPA 552.2	Percent Solids:	n/a
Project:	PWSID CO0121175 Donala W&S District		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EG19627.D	1	03/11/14	JJ	03/10/14	OP9536	GEG635
Run #2							

	Initial Volume	Final Volume
Run #1	40.0 ml	4.0 ml
Run #2		

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
631-64-1	Dibromoacetic acid	ND		1.0	1.0	ug/l	
79-43-6	Dichloroacetic acid	1.2		1.0	1.0	ug/l	
79-11-8	Monochloroacetic acid	ND		1.0	1.0	ug/l	
79-08-3	Monobromoacetic acid	ND		1.0	1.0	ug/l	
76-03-9	Trichloroacetic acid	ND		1.0	1.0	ug/l	
	Total Haloacetic Acids	1.2	60	1.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
600-05-5	2,3-Dibromopropionic acid	94%		70-130%
600-05-5	2,3-Dibromopropionic acid	93%		70-130%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	DBP002		
Lab Sample ID:	D55438-3	Date Sampled:	02/27/14
Matrix:	DW - Drinking Water	Date Received:	02/27/14
Method:	EPA 524.2	Percent Solids:	n/a
Project:	PWSID CO0121175 Donala W&S District		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8V054G9.D	1	02/28/14	EV	n/a	n/a	V8V251
Run #2							

	Purge Volume
Run #1	25.0 ml
Run #2	

VOA THM List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
75-27-4	Bromodichloromethane	5.4		0.50	0.50	ug/l	
75-25-2	Bromoform	ND		0.50	0.50	ug/l	
67-66-3	Chloroform	18.6		0.50	0.50	ug/l	
124-48-1	Dibromochloromethane	2.4		0.50	0.50	ug/l	
	Total Trihalomethane	26.4	80	0.50	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%		70-130%
2199-69-1	1,2-Dichlorobenzene-d4	98%		70-130%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	DBP002		
Lab Sample ID:	D55438-3	Date Sampled:	02/27/14
Matrix:	DW - Drinking Water	Date Received:	02/27/14
Method:	EPA 552.2 EPA 552.2	Percent Solids:	n/a
Project:	PWSID CO0121175 Donala W&S District		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EG19628.D	1	03/11/14	JJ	03/10/14	OP9536	GEG635
Run #2							

	Initial Volume	Final Volume
Run #1	40.0 ml	4.0 ml
Run #2		

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
631-64-1	Dibromoacetic acid	ND		1.0	1.0	ug/l	
79-43-6	Dichloroacetic acid	8.9		1.0	1.0	ug/l	
79-11-8	Monochloroacetic acid	2.1		1.0	1.0	ug/l	
79-08-3	Monobromoacetic acid	ND		1.0	1.0	ug/l	
76-03-9	Trichloroacetic acid	7.3		1.0	1.0	ug/l	
	Total Haloacetic Acids	18.2	60	1.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
600-05-5	2,3-Dibromopropionic acid	111%		70-130%
600-05-5	2,3-Dibromopropionic acid	108%		70-130%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Colorado Department of Public Health and Environment - Water Quality Control Division
Drinking Water Program - Compliance Assurance Monitoring and Enforcement
4300 Cherry Creek Drive South, Denver, CO 80246-1530

DBP FORM2 -Haloacetic Acid (HAA5) Analysis Laboratory Report Form

Section I (to be completed by the Public Water Systems only)		Section II (to be completed by Laboratories only)	
Public Water System Information		**Laboratory Information**	
PWSID#: CO 0121175		Laboratory Name: Accutest Mountain States	
System Name: Donala Water & Sanitation District		Contact Person: Client Services	Phone: (303)425-6021
Address: 15850 Holbein Dr. Colorado Springs, CO 80921		Comments:	
		Lab Director	3/11/2014
Contact Person: Dana C. Duthie	Phone: (719) 488-3603	Laboratory Authorized Signature / Title	Date

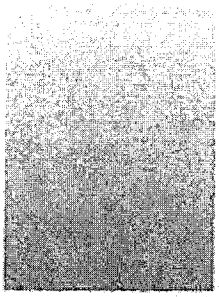
PWS to complete first 9 columns					Laboratory to complete columns 4-8 and 8-11					
Sample Date	Collector	State Sample Point ID	Sample Site Name or Address	Date Lab Received	Date Lab Analyzed	Laboratory ID	Analyte	Analytical Method	Lab MDL ug/L	Result ug/L
2/27/2014	MP	DBP001		2/27/2014	3/11/2014	D55438-2	Monochlo.Acid	552.2	1	BDL
2/27/2014	MP	DBP001		2/27/2014	3/11/2014	D55438-2	Monobro. Acid	552.2	1	BDL
2/27/2014	MP	DBP001		2/27/2014	3/11/2014	D55438-2	Dichlor. Acid	552.2	1	1.2
2/27/2014	MP	DBP001		2/27/2014	3/11/2014	D55438-2	Trichlor. Acid	552.2	1	BDL
2/27/2014	MP	DBP001		2/27/2014	3/11/2014	D55438-2	Dibromo. Acid	552.2	1	BDL
							Total HAA5s			1.2

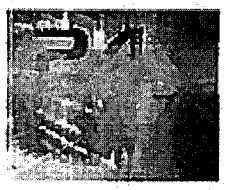
Sample Date	Collector	State Sample Point ID	Sample Site Name or Address	Date Lab Received	Date Lab Analyzed	Laboratory ID	Analyte	Analytical Method	Lab MDL ug/L	Result ug/L
2/27/2014	MP	DBP002		2/27/2014	3/11/2014	D55438-3	Monochlo.Acid	552.2	1	2.1
2/27/2014	MP	DBP002		2/27/2014	3/11/2014	D55438-3	Monobro. Acid	552.2	1	BDL
2/27/2014	MP	DBP002		2/27/2014	3/11/2014	D55438-3	Dichlor. Acid	552.2	1	8.9
2/27/2014	MP	DBP002		2/27/2014	3/11/2014	D55438-3	Trichlor. Acid	552.2	1	7.3
2/27/2014	MP	DBP002		2/27/2014	3/11/2014	D55438-3	Dibromo. Acid	552.2	1	BDL
							Total HAA5s			18.2

e-Hardcopy 2.0
Automated Report

Mountain States
ACCUTEST
LABORATORIES

06/01/14





Technical Report for

COPY

Donala Water & Sanitation District

PWSID CO0121175 Donala W&S District

Accutest Job Number: D57915

Sampling Date: 05/20/14

Report to:

Donala Water & Sanitation District
15850 Holbein Drive
Colorado Springs, CO 80921
markp@donalawater.com

ATTN: Mark Parker

Total number of pages in report: 15

Per the COC, results were NOT sent to the CDPHE.

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Scott Heideman
Laboratory Director

Client Service contact: Renea Jackson 303-425-6021

Certifications: CO (CO00049), ID, NE (CO00049), ND (R-027), NJ (CO 0007), OK (D9942), UT (NELAP CO00049), TX (T104704511)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories. Test results relate only to samples analyzed.

Colorado Department of Public Health and Environment - Water Quality Control Division
Drinking Water Program - Compliance Assurance Monitoring and Enforcement
4300 Cherry Creek Drive South, Denver, CO 80246-1530

DBP FORM2 -Haloacetic Acid (HAA5) Analysis Laboratory Report Form

Section I (to be completed by the Public Water Systems only)		Section II (to be completed by Laboratories only)	
Public Water System Information		**Laboratory Information**	
PWSID#: CO 0121175		Laboratory Name: Accutest Mountain States	
System Name: Donala Water & Sanitation District		Contact Person: Client Services	Phone: (303)425-6021
Address: 15850 Holbein Dr. Colorado Springs, CO 80921		Comments:	
Contact Person: Dana C. Duthie	Phone: (719) 488-3603	Laboratory Authorized Signature	Lab Director / Title / 6/1/2014 / Date

PWS to complete first 3 columns | Laboratory to complete columns 4-6 and 8-11

Sample Date	Collector	State Sample Point ID	Sample Site Name or Address	Date Lab Received	Date Lab Analyzed	Laboratory ID	Analyte	Analytical Method	Lab MDL ug/L	Result ug/L
5/20/2014	MP	BP 001 Zone 1 Tar		5/20/2014	5/24/2014	D57915-1	Monochlo.Acid	552.2	1	BDL
5/20/2014	MP	BP 001 Zone 1 Tar		5/20/2014	5/24/2014	D57915-1	Monobro. Acid	552.2	1	BDL
5/20/2014	MP	BP 001 Zone 1 Tar		5/20/2014	5/24/2014	D57915-1	Dichlor. Acid	552.2	1	2.6
5/20/2014	MP	BP 001 Zone 1 Tar		5/20/2014	5/24/2014	D57915-1	Trichlor. Acid	552.2	1	1.7
5/20/2014	MP	BP 001 Zone 1 Tar		5/20/2014	5/24/2014	D57915-1	Dibromo. Acid	552.2	1	BDL
							Total HAA5s			4.3

Sample Date	Collector	State Sample Point ID	Sample Site Name or Address	Date Lab Received	Date Lab Analyzed	Laboratory ID	Analyte	Analytical Method	Lab MDL ug/L	Result ug/L
5/20/2014	MP	BP 002 Zone 5 Tar		5/20/2014	5/24/2014	D57915-2	Monochlo.Acid	552.2	1	BDL
5/20/2014	MP	BP 002 Zone 5 Tar		5/20/2014	5/24/2014	D57915-2	Monobro. Acid	552.2	1	BDL
5/20/2014	MP	BP 002 Zone 5 Tar		5/20/2014	5/24/2014	D57915-2	Dichlor. Acid	552.2	1	2.9
5/20/2014	MP	BP 002 Zone 5 Tar		5/20/2014	5/24/2014	D57915-2	Trichlor. Acid	552.2	1	1.7
5/20/2014	MP	BP 002 Zone 5 Tar		5/20/2014	5/24/2014	D57915-2	Dibromo. Acid	552.2	1	BDL
							Total HAA5s			4.6

Colorado Department of Public Health and Environment - Water Quality Control Division
Safe Drinking Water Program - Compliance Assurance Monitoring and Enforecement
4300 Cherry Creek Drive South, Denver, CO 80246-1530

DBP FORM1 - Total Trihalomethane Analysis Laboratory Report Form

Section I (to be completed by the Public Water Systems only)	Section II (to be completed by Laboratories only)
Public Water System Information	**Laboratory Information**
PWSID#: CO 0121175	Laboratory Name: Accutest Mountain states
System Name: Donala Water & Sanitation District	Contact Person: Client Services — Phone: (303)425-6021
Address: 15850 Holbein Dr. Colorado Springs, CO 80921	Comments:
Contact Person: Dana C. Duthie — Phone: (719) 488-3603	Laboratory Authorized Signature — Lab Director — 6/1/2014 (Title — Date)

Sample Date	Collector	State Sample Point ID	Sample Site Name or Address	Date Lab Received	Date Lab Analyzed	Laboratory ID	Analyte	Analytical Method	Lab MDL ug/L	ug/l Result
5/20/2014	MP	DBP 001 Zone 1 Tank		5/20/2014	5/21/2014	D57915-1	Chloroform	524.2	0.5	3.7
5/20/2014	MP	DBP 001 Zone 1 Tank		5/20/2014	5/21/2014	D57915-1	Bromoform	524.2	0.5	BDL
5/20/2014	MP	DBP 001 Zone 1 Tank		5/20/2014	5/21/2014	D57915-1	Bromodichloromethane	524.2	0.5	0.97
5/20/2014	MP	DBP 001 Zone 1 Tank		5/20/2014	5/21/2014	D57915-1	Dibromochloromethane	524.2	0.5	0.76
							TTHMs			5.4

Sample Date	Collector	State Sample Point ID	Sample Site Name or Address	Date Lab Received	Date Lab Analyzed	Laboratory ID	Analyte	Analytical Method	Lab MDL ug/L	ug/l Result
5/20/2014	MP	DBP 002 Zone 5 Tank		5/20/2014	5/22/2014	D57915-2	Chloroform	524.2	0.5	5.2
5/20/2014	MP	DBP 002 Zone 5 Tank		5/20/2014	5/22/2014	D57915-2	Bromoform	524.2	0.5	0.92
5/20/2014	MP	DBP 002 Zone 5 Tank		5/20/2014	5/22/2014	D57915-2	Bromodichloromethane	524.2	0.5	3.5
5/20/2014	MP	DBP 002 Zone 5 Tank		5/20/2014	5/22/2014	D57915-2	Dibromochloromethane	524.2	0.5	3
							TTHMs			12.6

DBP Form1 - Version 3
March 2012

Haloacetic Acids Certified Laboratory Report Form

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Revision: 6/13/14

HAA5

Section I (Supplied or Completed by the Public Water System)		Section II (Supplied or Completed by Certified Laboratory)	
Public Water System Information		**Certified Laboratory Information**	
PWSID#: CO 0121175	Facility ID:	Laboratory ID: CO00049	
System Name: Donala Water & Sanitation District		Laboratory Name: Accutest Mountain States	Phone: (303)425-6021
Contact Person: Dana C. Duthie	Phone #: (719) 488-3603	Contact Person: Client Services	
Comments:		Comments:	
		Lab Director	8/29/2014
		Laboratory Authorized Signature / Title	Date

Section III (Supplied or Completed by PWS)			Section IV (Supplied or Completed by Certified Laboratory)							
Sample Date	Sample Pt ID On Schedule	Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte (Code)	Analytical Method	MCL (ug/L)	Lab MRL (ug/L)	Result (ug/L)
8/18/2014	DBP001		8/18/2014	8/22/2014	D61080-1	Monochlor. Acid (2450)	552.2	N/A	1	1.5
8/18/2014	DBP001		8/18/2014	8/22/2014	D61080-1	Monobro. Acid (2453)	552.2	N/A	1	BDL
8/18/2014	DBP001		8/18/2014	8/22/2014	D61080-1	Dichlor. Acid (2451)	552.2	N/A	1	4.3
8/18/2014	DBP001		8/18/2014	8/22/2014	D61080-1	Trichlor. Acid (2452)	552.2	N/A	1	3.5
8/18/2014	DBP001		8/18/2014	8/22/2014	D61080-1	Dibromo. Acid (2454)	552.2	N/A	1	BDL
8/18/2014	DBP001		8/18/2014	8/22/2014	D61080-1	HAA5's (2456)	N/A	60	1	9.2
8/18/2014	DBP002		8/18/2014	8/22/2014	D61080-2	Monochlor. Acid (2450)	552.2	N/A	1	BDL
8/18/2014	DBP002		8/18/2014	8/22/2014	D61080-2	Monobro. Acid (2453)	552.2	N/A	1	BDL
8/18/2014	DBP002		8/18/2014	8/22/2014	D61080-2	Dichlor. Acid (2451)	552.2	N/A	1	2.9
8/18/2014	DBP002		8/18/2014	8/22/2014	D61080-2	Trichlor. Acid (2452)	552.2	N/A	1	2.4
8/18/2014	DBP002		8/18/2014	8/22/2014	D61080-2	Dibromo. Acid (2454)	552.2	N/A	1	BDL
8/18/2014	DBP002		8/18/2014	8/22/2014	D61080-2	HAA5's (2456)	N/A	60	1	5.3

NT: Not Tested
MCL: Maximum Contaminant Level

ug/L: Micrograms per Liter
BDL: Below Laboratory MRL. A less than sign (<) may also be used

Lab MRL: Laboratory Minimum Reporting Level

TOTAL Trihalomethane Certified Laboratory Report Form

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Revision: 6/13/14

TTHM

Section I (to be completed by the Public Water Systems only)		Section II (to be completed by Laboratories only)	
Public Water System Information		**Certified Laboratory Information**	
PWSID#: CO 0121175	Facility ID:	Laboratory ID: CO00049	
System Name: Donala Water & Sanitation District		Laboratory Name: Accutest Mountain States	
Contact Person: Dana C. Duthie	Phone: 7194883603	Contact Person: Client Services	Phone: (303)425-6021
Comments:		Comments:	
		Laboratory Authorized Signature	Scott Heideman / Lab Director / 8/29/2014 (Printed Name / Title / Date)

Section III (Supplied or Completed by PWS)			Section IV (Supplied or Completed by Certified Laboratory)							
Sample Date	Sample Point ID On Schedule	Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte (code)	Analytical Method	MCL (ug/L)	Lab MRL (ug/L)	Result (ug/L)
8/18/2014	DBP001		8/18/2014	8/19/2014	D61080-1	Chloroform (2941)	524.2	N/A	0.5	8.6
8/18/2014	DBP001		8/18/2014	8/19/2014	D61080-1	Bromoform (2942)	524.2	N/A	0.5	BDL
8/18/2014	DBP001		8/18/2014	8/19/2014	D61080-1	Bromodichloromethane (2943)	524.2	N/A	0.5	1.5
8/18/2014	DBP001		8/18/2014	8/19/2014	D61080-1	Dibromochloromethane (2944)	524.2	N/A	0.5	0.79
8/18/2014	DBP001		8/18/2014	8/19/2014	D61080-1	TTHMs (2950)	N/A	80	0.5	10.8
8/18/2014	DBP002		8/18/2014	8/19/2014	D61080-2	Chloroform (2941)	524.2	N/A	0.5	6.6
8/18/2014	DBP002		8/18/2014	8/19/2014	D61080-2	Bromoform (2942)	524.2	N/A	0.5	0.88
8/18/2014	DBP002		8/18/2014	8/19/2014	D61080-2	Bromodichloromethane (2943)	524.2	N/A	0.5	3.3
8/18/2014	DBP002		8/18/2014	8/19/2014	D61080-2	Dibromochloromethane (2944)	524.2	N/A	0.5	3
8/18/2014	DBP002		8/18/2014	8/19/2014	D61080-2	TTHMs (2950)	N/A	80	0.5	13.7

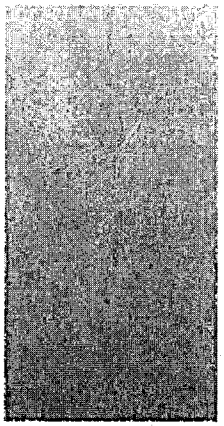
NT: Not Tested
Lab MRL: Laboratory Minimum Reporting Level
BDL: Below Laboratory MRL. A less than sign (<) may also be used

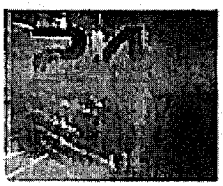
ug/L: Micrograms per Liter
MCL: Maximum Contaminant Level

e-Hardcopy 2.0
Automated Report

Mountain States ACCUTEST LABORATORIES

12/05/14





COPY

Technical Report for

Donala Water & Sanitation District

PWSID CO0121175 Donala W&S District

Accutest Job Number: D64806

Sampling Date: 11/20/14

Report to:

Donala Water & Sanitation District
15850 Holbein Drive
Colorado Springs, CO 80921
markp@donalawater.com

ATTN: Mark Parker

Total number of pages in report: 18

Per the COC, results were NOT sent to CDPHE.

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Scott Heideman
Laboratory Director

Client Service contact: Renea Jackson 303-425-6021

Certifications: CO (CO00049), ID, NE (CO00049), ND (R-027), NJ (CO 0007), OK (D9942), UT (NELAP CO00049), TX (T104704511)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories. Test results relate only to samples analyzed.

Haloacetic Acids Certified Laboratory Report Form

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Revision: 6/13/14

HAA5

Section I (Supplied or Completed by the Public Water System)		Section II (Supplied or Completed by Certified Laboratory)	
Public Water System Information		Certified Laboratory Information	
PWSID#: CO 0121175	Facility ID: DS001	Laboratory ID: CO00049	
System Name: Donala Water & Sanitation District		Laboratory Name: Accutest Mountain States	Phone: (303)425-6021
Contact Person: Mark Parker	Phone #: (719) 488-3603	Contact Person: Client Services	
Comments:		Comments:	
		Lab Director	12/5/2014
		Laboratory Authorized Signature / Title	Date

Section III (Supplied or Completed by PWS)			Section IV (Supplied or Completed by Certified Laboratory)							
Sample Date	Sample Pt ID On Schedule	Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte (Code)	Analytical Method	MCL (ug/L)	Lab MRL (ug/L)	Result (ug/L)
11/20/2014	DBP 001		11/20/2014	11/27/2014	D64806-1	Monochlor. Acid (2450)	552.2	N/A	1	BDL
11/20/2014	DBP 001		11/20/2014	11/27/2014	D64806-1	Monobro. Acid (2453)	552.2	N/A	1	BDL
11/20/2014	DBP 001		11/20/2014	11/27/2014	D64806-1	Dichlor. Acid (2451)	552.2	N/A	1	2.2
11/20/2014	DBP 001		11/20/2014	11/27/2014	D64806-1	Trichlor. Acid (2452)	552.2	N/A	1	1.9
11/20/2014	DBP 001		11/20/2014	11/27/2014	D64806-1	Dibromo. Acid (2454)	552.2	N/A	1	BDL
11/20/2014	DBP 001		11/20/2014	11/27/2014	D64806-1	HAA5's (2456)	N/A	60	1	4.1
11/20/2014	DBP 002		11/20/2014	11/27/2014	D64806-2	Monochlor. Acid (2450)	552.2	N/A	1	BDL
11/20/2014	DBP 002		11/20/2014	11/27/2014	D64806-2	Monobro. Acid (2453)	552.2	N/A	1	BDL
11/20/2014	DBP 002		11/20/2014	11/27/2014	D64806-2	Dichlor. Acid (2451)	552.2	N/A	1	5.2
11/20/2014	DBP 002		11/20/2014	11/27/2014	D64806-2	Trichlor. Acid (2452)	552.2	N/A	1	4
11/20/2014	DBP 002		11/20/2014	11/27/2014	D64806-2	Dibromo. Acid (2454)	552.2	N/A	1	BDL
11/20/2014	DBP 002		11/20/2014	11/27/2014	D64806-2	HAA5's (2456)	N/A	60	1	9.2

NT: Not Tested
MCL: Maximum Contaminant Level

ug/L: Micrograms per Liter
BDL: Below Laboratory MRL. A less than sign (<) may also be used

Lab MRL: Laboratory Minimum Reporting Level

TOTAL Trihalomethane Certified Laboratory Report Form

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Revision: 6/13/14

TTHM

Section I (to be completed by the Public Water Systems only)		Section II (to be completed by Laboratories only)	
Public Water System Information		Certified Laboratory Information	
PWSID#: CO 0121175	Facility ID: DS001	Laboratory ID: CO00049	
System Name: Donala Water & Sanitation District		Laboratory Name: Accutest Mountain States	
Contact Person: Mark Parker	Phone: 7194883603	Contact Person: Client Services	Phone: (303)425-6021
Comments:		Comments:	
		Laboratory Authorized Signature	Scott Heideman / Printed Name / Lab Director / Title / 12/5/2014 / Date

Section III (Supplied or Completed by PWS)			Section IV (Supplied or Completed by Certified Laboratory)							
Sample Date	Sample Point ID On Schedule	Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte (code)	Analytical Method	MCL (ug/L)	Lab MRL (ug/L)	Result (ug/L)
11/20/2014	DBP 001		11/20/2014	11/24/2014	D64806-1	Chloroform (2941)	524.2	N/A	0.18	5.9
11/20/2014	DBP 001		11/20/2014	11/24/2014	D64806-1	Bromoform (2942)	524.2	N/A	0.25	0.59
11/20/2014	DBP 001		11/20/2014	11/24/2014	D64806-1	Bromodichloromethane (2943)	524.2	N/A	0.19	1.7
11/20/2014	DBP 001		11/20/2014	11/24/2014	D64806-1	Dibromochloromethane (2944)	524.2	N/A	0.21	1.5
11/20/2014	DBP 001		11/20/2014	11/24/2014	D64806-1	TTHMs (2950)	N/A	80	0.18	9.6
11/20/2014	DBP 002		11/20/2014	11/24/2014	D64806-2	Chloroform (2941)	524.2	N/A	0.18	12
11/20/2014	DBP 002		11/20/2014	11/24/2014	D64806-2	Bromoform (2942)	524.2	N/A	0.25	1.3
11/20/2014	DBP 002		11/20/2014	11/24/2014	D64806-2	Bromodichloromethane (2943)	524.2	N/A	0.19	6.3
11/20/2014	DBP 002		11/20/2014	11/24/2014	D64806-2	Dibromochloromethane (2944)	524.2	N/A	0.21	4.8
11/20/2014	DBP 002		11/20/2014	11/24/2014	D64806-2	TTHMs (2950)	N/A	80	0.18	24.4

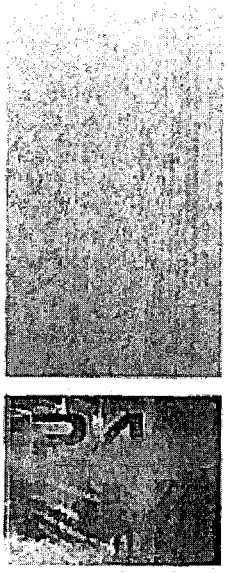
NT: Not Tested
Lab MRL: Laboratory Minimum Reporting Level
BDL: Below Laboratory MRL. A less than sign (<) may also be used

ug/L: Micrograms per Liter
MCL: Maximum Contaminant Level

e-Hardcopy 2.0
Automated Report

Mountain States ACCUTEST LABORATORIES

03/01/13



Technical Report for

COPY

Donala Water & Sanitation District

PWSID CO0121175 Donala W&S District

Accutest Job Number: D43627

Sampling Date: 02/20/13

Report to:

Donala Water & Sanitation District
15850 Holbein Drive
Colorado Springs, CO 80921
mark@donalawater.com

ATTN: Mark Parker

Total number of pages in report: 24

Per the COC, results were NOT sent to CDPHE.

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Brad Madadian
Laboratory Director

Client Service contact: Renea Jackson 303-425-6021

Certifications: CO, ID, NE, NM, ND (R-027) (PW), UT (NELAP CO00049), TX (T104704511-12-1)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories. Test results relate only to samples analyzed.

Colorado Department of Public Health and Environment - Water Quality Control Division
Drinking Water Program - Compliance Assurance Monitoring and Enforcement
4300 Cherry Creek Drive South, Denver, CO 80246-1530

DBP FORM2 -Haloacetic Acid (HAA5) Analysis Laboratory Report Form

Section I (to be completed by the Public Water Systems only)		Section II (to be completed by Laboratories only)	
Public Water System Information		**Laboratory Information**	
PWSID#: CO 0121175		Laboratory Name: Accutest Mountain States	
System Name: Donala Water & Sanitation District		Contact Person: Client Services	Phone: (303)425-6021
Address: 15850 Holbein Dr. Colorado Springs, CO 80921		Comments:	
Contact Person: Dana C. Duthie	Phone: (719) 488-3603	Laboratory Authorized Signature	Lab Director / Title / 3/1/2013 / Date

PWS to complete first 3 columns | Laboratory to complete columns 4-5 and 8-11

Sample Date	Collector	State Sample Point ID	Sample Site Name or Address	Date Lab Received	Date Lab Analyzed	Laboratory ID	Analyte	Analytical Method	Lab MDL ug/L	Result ug/L
2/20/2013	MP	DBP 001		2/20/2013	2/27/2013	D43627-1	Monochlo.Acid	552.2	1	BDL
2/20/2013	MP	DBP 001		2/20/2013	2/27/2013	D43627-1	Monobro. Acid	552.2	1	BDL
2/20/2013	MP	DBP 001		2/20/2013	2/27/2013	D43627-1	Dichlor. Acid	552.2	1	3.5
2/20/2013	MP	DBP 001		2/20/2013	2/27/2013	D43627-1	Trichlor. Acid	552.2	1	5.1
2/20/2013	MP	DBP 001		2/20/2013	2/27/2013	D43627-1	Dibromo. Acid	552.2	1	BDL
							Total HAA5s			8.6

Sample Date	Collector	State Sample Point ID	Sample Site Name or Address	Date Lab Received	Date Lab Analyzed	Laboratory ID	Analyte	Analytical Method	Lab MDL ug/L	Result ug/L
2/20/2013	MP	DBP 002		2/20/2013	2/27/2013	D43627-2	Monochlo.Acid	552.2	1	BDL
2/20/2013	MP	DBP 002		2/20/2013	2/27/2013	D43627-2	Monobro. Acid	552.2	1	BDL
2/20/2013	MP	DBP 002		2/20/2013	2/27/2013	D43627-2	Dichlor. Acid	552.2	1	3.6
2/20/2013	MP	DBP 002		2/20/2013	2/27/2013	D43627-2	Trichlor. Acid	552.2	1	6
2/20/2013	MP	DBP 002		2/20/2013	2/27/2013	D43627-2	Dibromo. Acid	552.2	1	1.3
							Total HAA5s			10.9

Colorado Department of Public Health and Environment - Water Quality Control Division
Safe Drinking Water Program - Compliance Assurance Monitoring and Enforecement
4300 Cherry Creek Drive South, Denver, CO 80246-1530

DBP FORM1 - Total Trihalomethane Analysis Laboratory Report Form

Section I (to be completed by the Public Water Systems only)	Section II (to be completed by Laboratories only)
Public Water System Information	**Laboratory Information**
PWSID#: CO 0121175	Laboratory Name: Accutest Mountain states
System Name: Donala Water & Sanitation District	Contact Person: Client Services — Phone: (303)425-6021
Address: 15850 Holbein Dr. Colorado Springs, CO 80921	Comments:
Contact Person: Dana C. Duthie — Phone: (719) 488-3603	Laboratory Authorized Signature — Lab Director — 3/1/2013 (Title — Date)

Sample Date	Collector	State Sample Point ID	Sample Site Name or Address	Date Lab Received	Date Lab Analyzed	Laboratory ID	Analyte	Analytical Method	Lab MDL ug/L	ug/l Result
2/20/2013	MP	DBP 001		2/20/2013	2/21/2013	D43627-1	Chloroform	524.2	0.5	9
2/20/2013	MP	DBP 001		2/20/2013	2/21/2013	D43627-1	Bromoform	524.2	0.5	BDL
2/20/2013	MP	DBP 001		2/20/2013	2/21/2013	D43627-1	Bromodichloromethane	524.2	0.5	1.9
2/20/2013	MP	DBP 001		2/20/2013	2/21/2013	D43627-1	Dibromochloromethane	524.2	0.5	1.5
							TTHMs			12.3

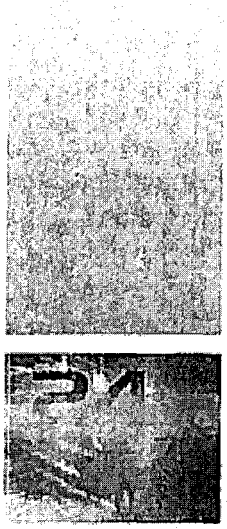
Sample Date	Collector	State Sample Point ID	Sample Site Name or Address	Date Lab Received	Date Lab Analyzed	Laboratory ID	Analyte	Analytical Method	Lab MDL ug/L	ug/l Result
2/20/2013	MP	DBP 002		2/20/2013	2/21/2013	D43627-2	Chloroform	524.2	0.5	11.1
2/20/2013	MP	DBP 002		2/20/2013	2/21/2013	D43627-2	Bromoform	524.2	0.5	0.85
2/20/2013	MP	DBP 002		2/20/2013	2/21/2013	D43627-2	Bromodichloromethane	524.2	0.5	3.7
2/20/2013	MP	DBP 002		2/20/2013	2/21/2013	D43627-2	Dibromochloromethane	524.2	0.5	3.1
							TTHMs			18.6

DBP Form1 - Version 3
March 2012

e-Hardcopy 2.0
Automated Report

Mountain States
ACCUTEST
LABORATORIES

05/24/13



Technical Report for

COPY

Donala Water & Sanitation District

PWSID CO0121175 Donala W&S District

Accutest Job Number: D46266

Sampling Date: 05/15/13

Report to:

Donala Water & Sanitation District
15850 Holbein Drive
Colorado Springs, CO 80921
mark@donalawater.com

ATTN: Mark Parker

Total number of pages in report: 24

Per the COC, results were NOT sent to CDPHE.

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Scott Heideman
Laboratory Director

Client Service contact: Renea Jackson 303-425-6021

Certifications: CO (CO00049), ID, NE (CO00049), ND (R-027), NJ (CO 0007), OK (D9942), UT (NELAP CO00049), TX (T104704511)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories. Test results relate only to samples analyzed.

Colorado Department of Public Health and Environment - Water Quality Control Division
Drinking Water Program - Compliance Assurance Monitoring and Enforcement
4300 Cherry Creek Drive South, Denver, CO 80246-1530

DBP FORM2 -Haloacetic Acid (HAA5) Analysis Laboratory Report Form

Section I (to be completed by the Public Water Systems only)	Section II (to be completed by Laboratories only)
Public Water System Information	**Laboratory Information**
PWSID#: CO 0121175	Laboratory Name: Accutest Mountain States
System Name: Donala Water & Sanitation District	Contact Person: Client Services — Phone: (303)425-6021
Address: 15850 Holbein Dr. Colorado Springs, CO 80921	Comments:
Contact Person: Dana C. Duthie — Phone: (719) 488-3603	Laboratory Authorized Signature — Lab Director (Title) — 5/24/2013 (Date)

PWS to complete first 3 columns — Laboratory to complete columns 4-6 and 8-11

Sample Date	Collector	State Sample Point ID	Sample Site Name or Address	Date Lab Received	Date Lab Analyzed	Laboratory ID	Analyte	Analytical Method	Lab MDL ug/L	Result ug/L
5/15/2013	MP	DBP 001		5/15/2013	5/17/2013	D46266-1	Monochlo.Acid	552.2	1	BDL
5/15/2013	MP	DBP 001		5/15/2013	5/17/2013	D46266-1	Monobro. Acid	552.2	1	BDL
5/15/2013	MP	DBP 001		5/15/2013	5/17/2013	D46266-1	Dichlor. Acid	552.2	1	5.2
5/15/2013	MP	DBP 001		5/15/2013	5/17/2013	D46266-1	Trichlor. Acid	552.2	1	5.6
5/15/2013	MP	DBP 001		5/15/2013	5/17/2013	D46266-1	Dibromo. Acid	552.2	1	1.7
							Total HAA5s			12.5

Sample Date	Collector	State Sample Point ID	Sample Site Name or Address	Date Lab Received	Date Lab Analyzed	Laboratory ID	Analyte	Analytical Method	Lab MDL ug/L	Result ug/L
5/15/2013	MP	DBP 002		5/15/2013	5/17/2013	D46266-2	Monochlo.Acid	552.2	1	BDL
5/15/2013	MP	DBP 002		5/15/2013	5/17/2013	D46266-2	Monobro. Acid	552.2	1	BDL
5/15/2013	MP	DBP 002		5/15/2013	5/17/2013	D46266-2	Dichlor. Acid	552.2	1	4.5
5/15/2013	MP	DBP 002		5/15/2013	5/17/2013	D46266-2	Trichlor. Acid	552.2	1	5.4
5/15/2013	MP	DBP 002		5/15/2013	5/17/2013	D46266-2	Dibromo. Acid	552.2	1	BDL
							Total HAA5s			9.9

Colorado Department of Public Health and Environment - Water Quality Control Division
Safe Drinking Water Program - Compliance Assurance Monitoring and Enforecement
4300 Cherry Creek Drive South, Denver, CO 80246-1530

DBP FORM1 - Total Trihalomethane Analysis Laboratory Report Form

Section I (To be completed by the Public Water Systems only)	Section II (To be completed by Laboratories only)
Public Water System Information	**Laboratory Information**
PWSID#: CO 0121175	Laboratory Name: Accutest Mountain states
System Name: Donala Water & Sanitation District	Contact Person: Client Services — Phone: (303)425-6021
Address: 15850 Holbein Dr. Colorado Springs, CO 80921	Comments:
Contact Person: Dana C Duthie — Phone: (719) 488-3603	Laboratory Authorized Signature — Lab Director (Title) — 5/24/2013 (Date)

Sample Date	Collector	State Sample Point ID	Sample Site Name or Address	Date Lab Received	Date Lab Analyzed	Laboratory ID	Analyte	Analytical Method	Lab MDL ug/L	ug/l Result
5/15/2013	MP	DBP 001		5/15/2013	5/19/2013	D46266-1	Chloroform	524.2	0.5	10.5
5/15/2013	MP	DBP 001		5/15/2013	5/19/2013	D46266-1	Bromoform	524.2	0.5	1.2
5/15/2013	MP	DBP 001		5/15/2013	5/19/2013	D46266-1	Bromodichloromethane	524.2	0.5	4.4
5/15/2013	MP	DBP 001		5/15/2013	5/19/2013	D46266-1	Dibromochloromethane	524.2	0.5	4
							TTHMs			20.1

Sample Date	Collector	State Sample Point ID	Sample Site Name or Address	Date Lab Received	Date Lab Analyzed	Laboratory ID	Analyte	Analytical Method	Lab MDL ug/L	ug/l Result
5/15/2013	MP	DBP 002		5/15/2013	5/19/2013	D46266-2	Chloroform	524.2	0.5	8.3
5/15/2013	MP	DBP 002		5/15/2013	5/19/2013	D46266-2	Bromoform	524.2	0.5	BDL
5/15/2013	MP	DBP 002		5/15/2013	5/19/2013	D46266-2	Bromodichloromethane	524.2	0.5	1.4
5/15/2013	MP	DBP 002		5/15/2013	5/19/2013	D46266-2	Dibromochloromethane	524.2	0.5	1.1
							TTHMs			10.9

Colorado Department of Public Health and Environment - Water Quality Control Division
Drinking Water Program - Compliance Assurance Monitoring and Enforcement
4300 Cherry Creek Drive South, Denver, CO 80246-1530

DBP FORM2 -Haloacetic Acid (HAA5) Analysis Laboratory Report Form

Section I (to be completed by the Public Water Systems only)		Section II (to be completed by Laboratories only)	
Public Water System Information		**Laboratory Information**	
PWSID#: CO 0121175		Laboratory Name: Accutest Mountain States	
System Name: Donala Water & Sanitation District		Contact Person: Client Services	Phone: (303)425-6021
Address: 15850 Holbein Dr. Colorado Springs, CO 80921		Comments:	
Contact Person: Dana C. Duthie	Phone: (719) 488-3603	Laboratory Authorized Signature	Lab Director / Title / 8/30/2013 / Date

PWS to complete first 3 columns				Laboratory to complete columns 4-6 and 8-11						
Sample Date	Collector	State Sample Point ID	Sample Site Name or Address	Date Lab Received	Date Lab Analyzed	Laboratory ID	Analyte	Analytical Method	Lab MDL ug/L	Result ug/L
8/21/2013	MP	DBP 001		8/21/2013	8/28/2013	D49656-1	Monochlo.Acid	552.2	1	BDL
8/21/2013	MP	DBP 001		8/21/2013	8/28/2013	D49656-1	Monobro. Acid	552.2	1	BDL
8/21/2013	MP	DBP 001		8/21/2013	8/28/2013	D49656-1	Dichlor. Acid	552.2	1	BDL
8/21/2013	MP	DBP 001		8/21/2013	8/28/2013	D49656-1	Trichlor. Acid	552.2	1	4
8/21/2013	MP	DBP 001		8/21/2013	8/28/2013	D49656-1	Dibromo. Acid	552.2	1	BDL
							Total HAA5s			4

Sample Date	Collector	State Sample Point ID	Sample Site Name or Address	Date Lab Received	Date Lab Analyzed	Laboratory ID	Analyte	Analytical Method	Lab MDL ug/L	Result ug/L
8/21/2013	MP	DBP 002		8/21/2013	8/28/2013	D49656-2	Monochlo.Acid	552.2	1	BDL
8/21/2013	MP	DBP 002		8/21/2013	8/28/2013	D49656-2	Monobro. Acid	552.2	1	BDL
8/21/2013	MP	DBP 002		8/21/2013	8/28/2013	D49656-2	Dichlor. Acid	552.2	1	4.2
8/21/2013	MP	DBP 002		8/21/2013	8/28/2013	D49656-2	Trichlor. Acid	552.2	1	2.9
8/21/2013	MP	DBP 002		8/21/2013	8/28/2013	D49656-2	Dibromo. Acid	552.2	1	BDL
							Total HAA5s			7.1

Colorado Department of Public Health and Environment - Water Quality Control Division
Safe Drinking Water Program - Compliance Assurance Monitoring and Enforcement
4300 Cherry Creek Drive South, Denver, CO 80246-1530

DBP FORM1 - Total Trihalomethane Analysis Laboratory Report Form

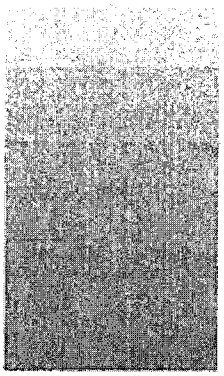
Section I (to be completed by the Public Water Systems only)	Section II (to be completed by Laboratories only)
Public Water System Information	**Laboratory Information**
PWSID#: CO 0121175	Laboratory Name: Accutest Mountain states
System Name: Donala Water & Sanitation District	Contact Person: Client Services — Phone: (303)425-6021
Address: 15850 Holbein Dr. Colorado Springs, CO 80921	Comments:
Contact Person: Dana C. Duthie — Phone: (719) 488-3603	Lab Director — 8/30/2013
	Laboratory Authorized Signature — Title — Date

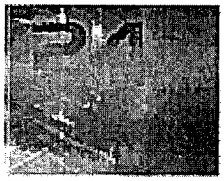
Sample Date	Collector	State Sample Point ID	Sample Site Name or Address	Date Lab Received	Date Lab Analyzed	Laboratory ID	Analyte	Analytical Method	Lab MDL ug/L	ug/l Result
8/21/2013	MP	DBP 001		8/21/2013	8/23/2013	D49656-1	Chloroform	524.2	0.5	13.3
8/21/2013	MP	DBP 001		8/21/2013	8/23/2013	D49656-1	Bromoform	524.2	0.5	0.96
8/21/2013	MP	DBP 001		8/21/2013	8/23/2013	D49656-1	Bromodichloromethane	524.2	0.5	5.8
8/21/2013	MP	DBP 001		8/21/2013	8/23/2013	D49656-1	Dibromochloromethane	524.2	0.5	3.8
							TTHMs			23.9

Sample Date	Collector	State Sample Point ID	Sample Site Name or Address	Date Lab Received	Date Lab Analyzed	Laboratory ID	Analyte	Analytical Method	Lab MDL ug/L	ug/l Result
8/21/2013	MP	DBP 002		8/21/2013	8/23/2013	D49656-2	Chloroform	524.2	0.5	7.5
8/21/2013	MP	DBP 002		8/21/2013	8/23/2013	D49656-2	Bromoform	524.2	0.5	BDL
8/21/2013	MP	DBP 002		8/21/2013	8/23/2013	D49656-2	Bromodichloromethane	524.2	0.5	1.4
8/21/2013	MP	DBP 002		8/21/2013	8/23/2013	D49656-2	Dibromochloromethane	524.2	0.5	0.81
							TTHMs			9.7

Mountain States ACCUTEST LABORATORIES

12/05/13





Technical Report for

COPY

Donala Water & Sanitation District

PWSID CO0121175 Donala W&S District

Accutest Job Number: D52768

Sampling Date: 11/20/13

Report to:

Donala Water & Sanitation District
15850 Holbein Drive
Colorado Springs, CO 80921
markp@donalawater.com

ATTN: Mark Parker

Total number of pages in report: 20

Per the COC, results were NOT sent to CDPHE.

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Scott Heideman
Laboratory Director

Client Service contact: Renea Jackson 303-425-6021

Certifications: CO (CO00049), ID, NE (CO00049), ND (R-027), NJ (CO 0007), OK (D9942), UT (NELAP CO00049), TX (T104704511)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories. Test results relate only to samples analyzed.

Colorado Department of Public Health and Environment - Water Quality Control Division
Drinking Water Program - Compliance Assurance Monitoring and Enforcement
4300 Cherry Creek Drive South, Denver, CO 80246-1530

DBP FORM2 -Haloacetic Acid (HAA5) Analysis Laboratory Report Form

Section I (to be completed by the Public Water Systems only)		Section II (to be completed by Laboratories only)	
Public Water System Information		Laboratory Information	
PWSID#: CO 0121175		Laboratory Name: Accutest Mountain States	
System Name: Donala Water & Sanitation District		Contact Person: Client Services	Phone: (303)425-6021
Address: 15850 Holbein Dr. Colorado Springs, CO 80921		Comments:	
		Lab Director	12/5/2013
Contact Person: Dana C. Duthie	Phone: (719) 488-3603	Laboratory Authorized Signature	Title / Date

PWS to complete first 3 columns | Laboratory to complete columns 4-6 and 8-11

Sample Date	Collector	State Sample Point ID	Sample Site Name or Address	Date Lab Received	Date Lab Analyzed	Laboratory ID	Analyte	Analytical Method	Lab MDL ug/L	Result ug/L
11/20/2013	MP	DBP 001		11/20/2013	11/22/2013	D52768-1	Monochlo.Acid	552.2	1	BDL
11/20/2013	MP	DBP 001		11/20/2013	11/22/2013	D52768-1	Monobro. Acid	552.2	1	BDL
11/20/2013	MP	DBP 001		11/20/2013	11/22/2013	D52768-1	Dichlor. Acid	552.2	1	5.5
11/20/2013	MP	DBP 001		11/20/2013	11/22/2013	D52768-1	Trichlor. Acid	552.2	1	4
11/20/2013	MP	DBP 001		11/20/2013	11/22/2013	D52768-1	Dibromo. Acid	552.2	1	BDL
							Total HAA5s			9.5

Sample Date	Collector	State Sample Point ID	Sample Site Name or Address	Date Lab Received	Date Lab Analyzed	Laboratory ID	Analyte	Analytical Method	Lab MDL ug/L	Result ug/L
11/20/2013	MP	DBP 002		11/20/2013	12/4/2013	D52768-2	Monochlo.Acid	552.2	1	BDL
11/20/2013	MP	DBP 002		11/20/2013	12/4/2013	D52768-2	Monobro. Acid	552.2	1	BDL
11/20/2013	MP	DBP 002		11/20/2013	12/4/2013	D52768-2	Dichlor. Acid	552.2	1	4
11/20/2013	MP	DBP 002		11/20/2013	12/4/2013	D52768-2	Trichlor. Acid	552.2	1	2.3
11/20/2013	MP	DBP 002		11/20/2013	12/4/2013	D52768-2	Dibromo. Acid	552.2	1	BDL
							Total HAA5s			6.3

Colorado Department of Public Health and Environment - Water Quality Control Division
Safe Drinking Water Program - Compliance Assurance Monitoring and Enforcement
4300 Cherry Creek Drive South, Denver, CO 80246-1530

DBP FORM1 - Total Trihalomethane Analysis Laboratory Report Form

Section I (to be completed by the Public Water Systems only)		Section II (to be completed by Laboratories only)	
Public Water System Information		**Laboratory Information**	
PWSID#: CO 0121175		Laboratory Name: Accutest Mountain states	
System Name: Donala Water & Sanitation District		Contact Person: Client Services	Phone: (303)425-6021
Address: 15850 Holbein Dr. Colorado Springs, CO 80921		Comments:	
		Lab Director	12/5/2013
Contact Person: Dana C. Duthie	Phone: (719) 488-3603	Laboratory Authorized Signature	Title / Date

Sample Date	Collector	State Sample Point ID	Sample Site Name or Address	Date Lab Received	Date Lab Analyzed	Laboratory ID	Analyte	Analytical Method	Lab MDL ug/L	ug/l Result
11/20/2013	MP	DBP 001		11/20/2013	11/22/2013	D52768-1	Chloroform	524.2	0.5	8.5
11/20/2013	MP	DBP 001		11/20/2013	11/22/2013	D52768-1	Bromoform	524.2	0.5	0.87
11/20/2013	MP	DBP 001		11/20/2013	11/22/2013	D52768-1	Bromodichloromethane	524.2	0.5	4.2
11/20/2013	MP	DBP 001		11/20/2013	11/22/2013	D52768-1	Dibromochloromethane	524.2	0.5	3.3
							TTHMs			16.9

Sample Date	Collector	State Sample Point ID	Sample Site Name or Address	Date Lab Received	Date Lab Analyzed	Laboratory ID	Analyte	Analytical Method	Lab MDL ug/L	ug/l Result
11/20/2013	MP	DBP 002		11/20/2013	11/22/2013	D52768-2	Chloroform	524.2	0.5	5.1
11/20/2013	MP	DBP 002		11/20/2013	11/22/2013	D52768-2	Bromoform	524.2	0.5	BDL
11/20/2013	MP	DBP 002		11/20/2013	11/22/2013	D52768-2	Bromodichloromethane	524.2	0.5	1.2
11/20/2013	MP	DBP 002		11/20/2013	11/22/2013	D52768-2	Dibromochloromethane	524.2	0.5	0.91
							TTHMs			7.2

2013 MONITORING OF INORGANIC CHEMICALS

Inorganic Chemicals Certified Laboratory Report Form

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South, Denver, CO 80246-1530
Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Revision: 6/14/13

IOC

Section I (Completed by the Public Water Systems only)		Section II (Completed by Certified Laboratories only)	
Public Water System Information		**Certified Laboratory Information**	
PWSID#: CO 0121175		Laboratory ID: CO00049	
System Name: Donala Water & Sanitation District		Laboratory Name: Accutest Mountain States	
Contact Person: Dana C. Duthie	Phone: 7194883603	Contact Person:	Phone: (303)425-6021
Comments:	Do Samples need to be composited BY THE LAB? ☐	Comments:	
		Scott Heideman — Laboratory Authorized Signature	Lab Director — Title; 12/5/2013 — Date

Section III (Completed by Public Water Systems Only)			Section IV (Completed by Certified Laboratories Only)
Sample Date: 11/20/2013	Collector: MP	Facility ID:	Sample Pt ID: CSU TIE IN

Section IV Inorganic Chemicals (Completed by Certified Laboratory)

Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No.	Analytical Method	MCL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
11/20/2013	11/27/2013	D52763-1	Antimony (1074)	7440-36-0	200.8	0.006	0.000028	BDL
11/20/2013	11/27/2013	D52763-1	Arsenic (1005)	7440-38-2	200.8	0.01	0.00036	BDL
11/20/2013	11/27/2013	D52763-1	Barium (1010)	7440-39-3	200.8	2.0	0.000078	0.021
11/20/2013	11/27/2013	D52763-1	Beryllium (1075)	7440-41-7	200.8	0.004	0.00022	BDL
11/20/2013	11/27/2013	D52763-1	Cadmium (1015)	7440-43-9	200.8	0.005	0.00007	BDL
11/20/2013	11/27/2013	D52763-1	Chromium (1020)	7440-47-3	200.8	0.1	0.00026	BDL
11/20/2013	11/22/2013	D52763-1	Cyanide (1024)	57-12-5	SM4500-CN E	0.2	0.002	BDL
11/20/2013	11/20/2013	D52763-1	Fluoride (1025)	16984-48-8	SM4500-F C	4.0	0.05	0.31
11/20/2013	11/26/2013	D52763-1	Mercury (1035)	7439-97-6	245.1	0.002	0.000009	BDL
11/20/2013	11/27/2013	D52763-1	Nickel (1036)	7440-02-0	200.8	**	0.0004	BDL
11/20/2013	11/27/2013	D52763-1	Selenium (1045)	7782-49-2	200.8	0.05	0.00028	0.00082
11/20/2013	12/2/2013	D52763-1	Sodium (1052)	7440-23-5	200.8	**	0.037	7.7
11/20/2013	11/27/2013	D52763-1	Thallium (1085)	7440-28-0	200.8	0.002	0.00003	BDL

Water Quality Parameter Report Form

Revision: 3/26/2013

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Section I (Completed by the Public Water Systems only)		Section II (Completed by Certified Laboratories only)	
Public Water System Information		Certified Laboratory Information	
PWSID#: CO 0121175	Facility ID: CSU TIE IN	Laboratory ID: CO00049	
System Name: Donala Water & Sanitation District		Laboratory Name: Accutest Mountain States	
Contact Person: Dana C. Duthie	Phone: (719) 488-3603	Contact Person: Scott Heideman	Phone: (303)425-6021
Comments:		Comments:	
		Scott Heideman Lab Director 12/7/2013	
System Authorized Signature Printed Name Title Date		Laboratory Authorized Signature Printed Name Title Date	

Section III (Completed by Public Water Systems Only)

Sample Date	Collector	Sample Point ID / Address - Location	System Analysis Date	System Sample ID	Analyte	Analytical Method	Result (mg/L)
					*pH (Field Test)		
					* Temperture (Field Test)		20
					Alkalinity		
					Conductivity Or Total Dissolved Solids		
					Calcium as CaCO3		
					Inhibitor (If Applicable)		

* Analyze pH and temperature as soon as possible, but no more than 15 minutes after sample collection

Section IV (Completed by Public Water Systems Only) / **Section V (Completed by Certified Laboratories Only)**

Sample Date	Collector	Sample Point ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte	Analytical Method	Lab MDL	Result (mg/L)
11/20/2013	MP	CSU TIE IN	11/20/2013		D52763-1A	Total Alkalinity	SM2320 B	2	32
11/20/2013	MP	CSU TIE IN	11/20/2013		D52763-1A	Total Dissolved Solids	SM2540 C	5	71
11/20/2013	MP	CSU TIE IN	11/20/2013		D52763-1A	Calcium Hardness as CaCO3/L	SM2340B	0.012	31.2
11/20/2013	MP	CSU TIE IN	11/20/2013		D52763-1A	Inhibitor (If Applicable)			NT
Section VI (Completed by Public Water Systems or Certified Laboratories)									
11/20/2013	MP	CSU TIE IN	11/20/2013		D52763-1A	Langelier Index	SM2330 B		-1.8

Inorganic Chemicals Certified Laboratory Report Form

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Revision: 6/14/13

IOC

Section I (Completed by the Public Water Systems only)		Section II (Completed by Certified Laboratories only)	
Public Water System Information		Certified Laboratory Information	
PWSID#: CO 0121175		Laboratory ID: CO00049	
System Name: Donala Water & Sanitation District		Laboratory Name: Accutest Mountain States	
Contact Person: Dana C. Duthie	Phone: 7194883603	Contact Person:	Phone: (303)425-6021
Comments:	Do Samples need to be composited BY THE LAB? ☐	Comments:	
		Laboratory Authorized Signature: Scott Heideman	Printed Name: Lab Director / Title: 12/5/2013 / Date

Section III (Completed by Public Water Systems Only)			Section IV (Completed by Certified Laboratories Only)
Sample Date: 11/20/2013	Collector:MP	Facility ID:	Sample Pt ID: CSU TIE IN

Section IV Inorganic Chemicals (Completed by Certified Laboratory)

Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No.	Analytical Method	MCL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
11/20/2013	11/27/2013	D52763-1	Antimony (1074)	7440-36-0	200.8	0.006	0.000028	BDL
11/20/2013	11/27/2013	D52763-1	Arsenic (1005)	7440-38-2	200.8	0.01	0.00036	BDL
11/20/2013	11/27/2013	D52763-1	Barium (1010)	7440-39-3	200.8	2.0	0.000078	0.021
11/20/2013	11/27/2013	D52763-1	Beryllium (1075)	7440-41-7	200.8	0.004	0.00022	BDL
11/20/2013	11/27/2013	D52763-1	Cadmium (1015)	7440-43-9	200.8	0.005	0.00007	BDL
11/20/2013	11/27/2013	D52763-1	Chromium (1020)	7440-47-3	200.8	0.1	0.00026	BDL
11/20/2013	11/22/2013	D52763-1	Cyanide (1024)	57-12-5	SM4500-CN E	0.2	0.002	BDL
11/20/2013	11/20/2013	D52763-1	Fluoride (1025)	16984-48-8	SM4500-F C	4.0	0.05	0.31
11/20/2013	11/26/2013	D52763-1	Mercury (1035)	7439-97-6	245.1	0.002	0.000009	BDL
11/20/2013	11/27/2013	D52763-1	Nickel (1036)	7440-02-0	200.8	**	0.0004	BDL
11/20/2013	11/27/2013	D52763-1	Selenium (1045)	7782-49-2	200.8	0.05	0.00028	0.00082
11/20/2013	12/2/2013	D52763-1	Sodium (1052)	7440-23-5	200.8	**	0.037	7.7
11/20/2013	11/27/2013	D52763-1	Thallium (1085)	7440-28-0	200.8	0.002	0.00003	BDL

2013 MONITORING OF LEAD AND COPPER

Lead and Copper Certified Laboratory Report form

Revision: 6/14/13

LCR

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398 cdphe.drinkingwater@state.co.us

Section I (Completed by the Public Water Systems only)

Public Water System Information			
PWSID#: CO 0121175	Facility ID: 14521 RIVER OAKS DR		
System Name: Donala Water & Sanitation District			
Contact Person: Mark Parker	Phone: 7194883603		
Comments:			
Mark Parker	MARK PARKER	chief water oper	8/15/13
System Authorized Signature	Printed Name	Title	Date

Section II (Completed by Certified Laboratories only)

Certified Laboratory Information			
Laboratory ID: CO00049			
Laboratory Name: Accutest Mountain States			
Contact Person: Client Services	Phone: (303)425-6021		
Comments:			
	Scott Heideman	Lab Director	8/9/2013
Laboratory Authorized Signature	Printed Name	Title	Date

Section III (Completed by Public Water Systems Only) / **Section IV (Completed by Certified Laboratories Only)**

Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14521 RIVER OAKS DR	8/7/2013	8/8/2013	D49018-1	Copper	E200.8	1.3	0.004	0.14
8/7/2013	MP	14521 RIVER OAKS DR	8/7/2013	8/8/2013	D49018-1	Lead	E200.8	0.015	0.001	0.0014
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14527 RIVER OAKS DR	8/7/2013	8/8/2013	D49018-2	Copper	E200.8	1.3	0.004	0.18
8/7/2013	MP	14527 RIVER OAKS DR	8/7/2013	8/8/2013	D49018-2	Lead	E200.8	0.015	0.001	0.0023
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14555 RIVER OAKS DR	8/7/2013	8/8/2013	D49018-3	Copper	E200.8	1.3	0.004	0.076
8/7/2013	MP	14555 RIVER OAKS DR	8/7/2013	8/8/2013	D49018-3	Lead	E200.8	0.015	0.001	BDL
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14545 RIVER OAKS DR	8/7/2013	8/8/2013	D49018-4	Copper	E200.8	1.3	0.004	0.2
8/7/2013	MP	14545 RIVER OAKS DR	8/7/2013	8/8/2013	D49018-4	Lead	E200.8	0.015	0.001	0.0015
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	205 PALM SPRINGS WAY	8/7/2013	8/8/2013	D49018-5	Copper	E200.8	1.3	0.004	0.087
8/7/2013	MP	205 PALM SPRINGS WAY	8/7/2013	8/8/2013	D49018-5	Lead	E200.8	0.015	0.001	BDL
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	225 PALM SPRINGS WAY	8/7/2013	8/8/2013	D49018-6	Copper	E200.8	1.3	0.004	0.099
8/7/2013	MP	225 PALM SPRINGS WAY	8/7/2013	8/8/2013	D49018-6	Lead	E200.8	0.015	0.001	BDL

AL = Action Level

Lead and Copper Certified Laboratory Report form

Revision: 6/14/13

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398 cdphe.drinkingwater@state.co.us

LCR

Section I (Completed by the Public Water Systems only)				Section II (Completed by Certified Laboratories only)			
Public Water System Information				Certified Laboratory Information			
PWSID#: CO 0121175	Facility ID: 485 PALM SPRINGS WAY			Laboratory ID: CO00049			
System Name: Donala Water & Sanitation District				Laboratory Name: Accutest Mountain States			
Contact Person: Mark Parker	Phone: 7194883603			Contact Person: Client Services	Phone: (303)425-6021		
Comments:				Comments:			
Mark Parker	MARK D PARKER	Chief water oper	8/15/13		Scott Heideman	Lab Director	8/9/2013
System Authorized Signature	Printed Name	Title	Date	Laboratory Authorized Signature	Printed Name	Title	Date

Section III (Completed by Public Water Systems Only)				Section IV (Completed by Certified Laboratories Only)					
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	485 PALM SPRINGS WAY	8/7/2013	8/8/2013	D49017-1	Copper	E200.8	1.3	0.004	0.097
8/7/2013	MP	485 PALM SPRINGS WAY	8/7/2013	8/8/2013	D49017-1	Lead	E200.8	0.015	0.001	BDL
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14580 WESTCHESTER DR	8/7/2013	8/8/2013	D49017-2	Copper	E200.8	1.3	0.004	0.12
8/7/2013	MP	14580 WESTCHESTER DR	8/7/2013	8/8/2013	D49017-2	Lead	E200.8	0.015	0.001	BDL
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14350 WESTCHESTER DR	8/7/2013	8/8/2013	D49017-3	Copper	E200.8	1.3	0.004	0.22
8/7/2013	MP	14350 WESTCHESTER DR	8/7/2013	8/8/2013	D49017-3	Lead	E200.8	0.015	0.001	0.0042
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	210 MISSION HILLS WAY	8/7/2013	8/8/2013	D49017-4	Copper	E200.8	1.3	0.004	0.12
8/7/2013	MP	210 MISSION HILLS WAY	8/7/2013	8/8/2013	D49017-4	Lead	E200.8	0.015	0.001	BDL
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	416 TORRY PINES WAY	8/7/2013	8/8/2013	D49017-5	Copper	E200.8	1.3	0.004	0.25
8/7/2013	MP	416 TORRY PINES WAY	8/7/2013	8/8/2013	D49017-5	Lead	E200.8	0.015	0.001	BDL
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	440 TORRY PINES WAY	8/7/2013	8/8/2013	D49017-6	Copper	E200.8	1.3	0.004	0.19
8/7/2013	MP	440 TORRY PINES WAY	8/7/2013	8/8/2013	D49017-6	Lead	E200.8	0.015	0.001	0.002

AL = Action Level

Lead and Copper Certified Laboratory Report form

Revision: 6/14/13

LCR

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398 cdphe.drinkingwater@state.co.us

Section I (Completed by the Public Water Systems only)		Section II (Completed by Certified Laboratories only)	
Public Water System Information		**Certified Laboratory Information**	
PWSID#: CO 0121175	Facility ID: 255 DORAL WAY	Laboratory ID: CO00049	
System Name: Donala Water & Sanitation District		Laboratory Name: Accutest Mountain States	
Contact Person: Dana C. Duthie	Phone: 7194883603	Contact Person: Client Services	Phone: (303)425-6021
Comments:		Comments:	
mark D Parker Chief Water oper. 8/15/13		Scott Heideman Lab Director 8/9/2013	
System Authorized Signature Printed Name Title Date		Laboratory Authorized Signature Printed Name Title Date	

Section III (Completed by Public Water Systems Only)			Section IV (Completed by Certified Laboratories Only)							
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	255 DORAL WAY	8/7/2013	8/8/2013	D49017-7	Copper	E200.8	1.3	0.004	0.16
8/7/2013	MP	255 DORAL WAY	8/7/2013	8/8/2013	D49017-7	Lead	E200.8	0.015	0.001	0.0029
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	465 CHERRY HILLS WAY	8/7/2013	8/8/2013	D49017-8	Copper	E200.8	1.3	0.004	0.18
8/7/2013	MP	465 CHERRY HILLS WAY	8/7/2013	8/8/2013	D49017-8	Lead	E200.8	0.015	0.001	0.0012
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14070 GLENEAGLE DR	8/7/2013	8/8/2013	D49017-9	Copper	E200.8	1.3	0.004	0.057
8/7/2013	MP	14070 GLENEAGLE DR	8/7/2013	8/8/2013	D49017-9	Lead	E200.8	0.015	0.001	BDL
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14080 GLENEAGLE DR	8/7/2013	8/8/2013	D49017-10	Copper	E200.8	1.3	0.004	0.14
8/7/2013	MP	14080 GLENEAGLE DR	8/7/2013	8/8/2013	D49017-10	Lead	E200.8	0.015	0.001	0.0026

AL = Action Level

Lead and Copper Certified Laboratory Report form

Revision: 6/14/13

LCR

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398 cdphe.drinkingwater@state.co.us

Section I (Completed by the Public Water Systems only)		Section II (Completed by Certified Laboratories only)	
Public Water System Information		Certified Laboratory Information	
PWSID#: CO 0121175	Facility ID: 250 PALM SPRINGS WAY	Laboratory ID: CO00049	
System Name: Donala Water & Sanitation District		Laboratory Name: Accutest Mountain States	
Contact Person: Dana C. Duthie	Phone: 7194883603	Contact Person: Client Services	Phone: (303)425-6021
Comments:		Comments:	
Mark D Parker — MARK D PARKER — Chief Water Oper — 8/15/13		Scott Heideman — Lab Director — 8/9/2013	
System Authorized Signature — Printed Name — Title — Date		Laboratory Authorized Signature — Printed Name — Title — Date	

Section III (Completed by Public Water Systems Only) / Section IV (Completed by Certified Laboratories Only)

Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	250 PALM SPRINGS WAY	8/7/2013	8/8/2013	D49018-7	Copper	E200.8	1.3	0.004	0.11
8/7/2013	MP	250 PALM SPRINGS WAY	8/7/2013	8/8/2013	D49018-7	Lead	E200.8	0.015	0.001	0.0012
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	458 PALM SPRINGS WAY	8/7/2013	8/8/2013	D49018-8	Copper	E200.8	1.3	0.004	0.11
8/7/2013	MP	458 PALM SPRINGS WAY	8/7/2013	8/8/2013	D49018-8	Lead	E200.8	0.015	0.001	BDL
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	490 PALM SPRINGS WAY	8/7/2013	8/8/2013	D49018-9	Copper	E200.8	1.3	0.004	0.2
8/7/2013	MP	490 PALM SPRINGS WAY	8/7/2013	8/8/2013	D49018-9	Lead	E200.8	0.015	0.001	0.0036

AL = Action Level

Lead and Copper Certified Laboratory Report form

Revision: 6/14/13

LCR

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398 cdphe.drinkingwater@state.co.us

Section I (Completed by the Public Water Systems only)		Section II (Completed by Certified Laboratories only)	
Public Water System Information		**Certified Laboratory Information**	
PWSID#: CO 0121175	Facility ID: 14090 GLENEAGLE DR	Laboratory ID: CO00049	
System Name: Donala Water & Sanitation District		Laboratory Name: Accutest Mountain States	
Contact Person: Mark Parker	Phone: 7194883603	Contact Person: Client Services	Phone: (303)425-6021
Comments:		Comments:	
MARK PARKER Chief Water oper 8/15/13		Scott Heideman Lab Director 8/14/2013	
System Authorized Signature / Printed Name / Title / Date		Laboratory Authorized Signature / Printed Name / Title / Date	

Section III (Completed by Public Water Systems Only) — Section IV (Completed by Certified Laboratories Only)

Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14090 GLENEAGLE DR	8/7/2013	8/13/2013	D49016-1	Copper	E200.8	1.3	0.004	0.078
8/7/2013	MP	14090 GLENEAGLE DR	8/7/2013	8/13/2013	D49016-1	Lead	E200.8	0.015	0.001	BDL
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14525 LATROBE DR	8/7/2013	8/13/2013	D49016-2	Copper	E200.8	1.3	0.004	0.074
8/7/2013	MP	14525 LATROBE DR	8/7/2013	8/13/2013	D49016-2	Lead	E200.8	0.015	0.001	BDL
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14620 LATROBE DR	8/7/2013	8/13/2013	D49016-3	Copper	E200.8	1.3	0.004	0.21
8/7/2013	MP	14620 LATROBE DR	8/7/2013	8/13/2013	D49016-3	Lead	E200.8	0.015	0.001	0.0015
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14680 LATROBE DR	8/7/2013	8/13/2013	D49016-4	Copper	E200.8	1.3	0.004	0.059
8/7/2013	MP	14680 LATROBE DR	8/7/2013	8/13/2013	D49016-4	Lead	E200.8	0.015	0.001	0.0012
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14640 LATROBED DR	8/7/2013	8/13/2013	D49016-5	Copper	E200.8	1.3	0.004	0.081
8/7/2013	MP	14640 LATROBED DR	8/7/2013	8/13/2013	D49016-5	Lead	E200.8	0.015	0.001	BDL
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14510 BURMUDA DUNES WAY	8/7/2013	8/13/2013	D49016-6	Copper	E200.8	1.3	0.004	0.04
8/7/2013	MP	14510 BURMUDA DUNES WAY	8/7/2013	8/13/2013	D49016-6	Lead	E200.8	0.015	0.001	BDL

AL = Action Level

Colorado Department of Public Health and Environment

Lead and Copper Sample Site Pool Location Details Form

WQCD – Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Section I (Completed by Public Water Systems Only)

Public Water System Information

PWSID: CO 0121175	Page 1 of 2
System Name: Donala Water &Sani.District	Number of Sample Site Locations Required: 20
Contact Person: Mark D Parker	Phone #: 719-488-3603

Comments:

Mark D Parker	Chief Water Operator	August 15, 2013
System Authorized Signature	Printed Name	Title	Date

Section II (Completed by Public Water Systems Only)

Number	Tier Level (see below)	Sample Point ID / Address – Location	Date Built	Lead Service Line?	Plumbing Type (see below)	Site Type (see below)	New Site?
1	1	416 Torry Pines	1988	No	CP	SFR	No
2	1	440 Torry Pines	1986	No	CP	SFR	Yes
3	1	205 Palm Springs	1987	No	CP	SFR	No
4	1	225 Palm Springs	1984	No	CP	SFR	No
5	1	250 Palm Springs	1984	No	CP	SFR	Yes
6	1	458 Palm Springs	1988	No	CP	SFR	No
7	1	490 Palm Springs	1986	No	CP	SFR	No
8	1	485 Palm Springs	1986	No	CP	SFR	No
9	1	14475 River Oaks	1986	No	CP	SFR	No
10	1	14521 River Oaks	1985	No	CP	SFR	No
11	1	14527 River Oaks	1986	No	CP	SFR	No
12	1	14555 River Oaks	1984	No	CP	SFR	Yes
13	1	14545 River Oaks	1984	No	CP	SFR	No
14	1	14525 Latrobe	1986	No	CP	SFR	No
15	1	14620 Latrobe	1983	No	CP	SFR	No

Tier Level
1 = Tier 1
2 = Tier 2
3 = Tier 3
R = Represents System

Plumbing Type
CPLS = Copper Pipes with Lead Solder
CP = Copper Pipes without Lead Solder
NonCP = Non-Copper Pipes
LP = Lead Pipes
OT = Other

Site Type
SFR = Single Family Residence
SFB = Single Family Structure Used for Business
MFR = Multi-Family Residence
B = Building
OT = Other

Colorado Department of Public Health and Environment

Lead and Copper Sample Site Pool Location Details Form

WQCD – Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Section I (Completed by Public Water Systems Only)

Public Water System Information

PWSID: CO 0121175	Page 1 of 2
System Name: Donala Water &Sani.District	Number of Sample Site Locations Required: 20
Contact Person: Mark D Parker	Phone #: 719-488-3603

Comments:

Mark D Parker	Mark D Parker	Chief Water Operator	August 15, 2013
System Authorized Signature	Printed Name	Title	Date

Section II (Completed by Public Water Systems Only)

Number	Tier Level (see below)	Sample Point ID / Address – Location	Date Built	Lead Service Line?	Plumbing Type (see below)	Site Type (see below)	New Site?
16	1	14680 Latrobe	1983	No	CP	SFR	No
17	1	14640 Latrobe	1984	No	CP	SFR	No
18	1	465 Cherry Hills	1988	No	CP	SFR	No
19	1	210 Mission Hills	1987	No	CP	SFR	No
20	1	255 Doral	1985	No	CP	SFR	No
21	1	14070 Gleneagle	1985	No	CP	SFR	No
22	1	14080 Gleneagle	1986	No	CP	SFR	No
23	1	14090 Gleneagle	1987	No	CP	SFR	No
24	1	14580 Westchester	1983	No	CP	SFR	No
25	1	14350 Westchester	1973	No	CP	SFR	No

Tier Level
1 = Tier 1
2 = Tier 2
3 = Tier 3
R = Represents System

Plumbing Type
CPLS = Copper Pipes with Lead Solder
CP = Copper Pipes without Lead Solder
NonCP = Non-Copper Pipes
LP = Lead Pipes
OT = Other

Site Type
SFR = Single Family Residence
SFB = Single Family Structure Used for Business
MFR = Multi-Family Residence
B = Building
OT = Other

Colorado Department of Public Health and Environment

Lead and Copper Sample Site Change Form

WQCD – Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Section I (Completed by Public Water Systems Only)

Public Water System Information

PWSID: CO 0121175

System Name: Donala Water and Sanitation District

Contact Person: Mark D. Parker | Phone #: 719-488-3603

Comments:

System Authorized Signature	Printed Name	Title	Date
Mark D Parker	Mark D Parker	Chief Water Operator	August 15,2013

Section II (Completed by Public Water Systems Only)

Change Reason	Site	Tier Level (see below)	Sample Point ID / Address – Location	Date Built	Lead Service Line?	Plumbing Type (see below)	Site Type (see below)
Possible replacement for old non-contact	Old						
	New	1	440 Torry Pines	1986	No	CP	SFR
Possible replacement for old non-contact	Old						
	New	1	250 Palm Springs	1984	No	CP	SFR
Possible replacement for old non-contact	Old						
	New	1	14555 River Oaks	1984	No	CP	SFR
Unable to collect sample for 2013	Old	1	14475 River Oaks	1986	No	CP	SFR
	New						
	Old						
	New						

Tier Level
1 = Tier 1
2 = Tier 2
3 = Tier 3
R = Represents System

Plumbing Type
CPLS = Copper Pipes with Lead Solder
CP = Copper Pipes without Lead Solder
NonCP = Non-Copper Pipes
LP = Lead Pipes
OT = Other

Site Type
SFR = Single Family Residence
SFB = Single Family Structure Used for Business
MFR = Multi-Family Residence
B = Building
OT = Other

Colorado Department of Public Health and Environment

Sample Results, Collection Certification, and 90th Percentile Form

WQCD – Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Section I (Completed by Public Water Systems Only)

Public Water System Information

PWSID #: CO 0121175

System Name: Donala Water & Sanitation District

Contact Person: Mark D. Parker | Phone #: 719-488-3603

Comments:

System Authorized Signature	Printed Name	Title	Date
	Mark D Parker	Chief Water Operator	August 15, 2013

Section II (Completed by Public Water Systems Only)

Sample Results and 90th Percentile

Number of Samples Required:	20	Lead 90th Percentile (mg/L):	0.00353
Number of Samples Submitted:	25	Copper 90th Percentile (mg/L):	0.207

Certification of Sample Collection

By Signing I Certify:

Each first draw tap water sample for lead and copper is one liter in volume and, to the best of my knowledge, has stood motionless in the plumbing for at least six hours.

Each first draw sample collected from a single family residence has been collected from the cold water kitchen tap or bathroom sink tap.

Each first draw sample collected from a non-residential building has been collected at an interior cold-water tap from which water is typically drawn for consumption.

If a resident volunteered to collect a tap water sample from his or her home, I certify that they have been properly instructed in the proper methods for collecting lead and copper samples. I do not challenge the accuracy of those sampling results. Enclosed is a copy of the material distributed to the residents explaining the proper collection methods.

I do not challenge the accuracy of these sampling results.

No changes to the sampling sites were made. If changes were made to sampling sites a Change of Sampling Site form is attached hereto.

Colorado Department of Public Health and Environment

Lead and Copper Sample Site Pool Location Details Form

WQCD – Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Section I (Completed by Public Water Systems Only)

Public Water System Information

PWSID: CO 0121175	Page 1 of 2
System Name: Donala Water &Sani.District	Number of Sample Site Locations Required: 20
Contact Person: Mark D Parker	Phone #: 719-488-3603

Comments:

Mark D Parker	Chief Water Operator	August 15, 2013
System Authorized Signature	Printed Name	Title	Date

Section II (Completed by Public Water Systems Only)

Number	Tier Level (see below)	Sample Point ID / Address – Location	Date Built	Lead Service Line?	Plumbing Type (see below)	Site Type (see below)	New Site?
1	1	416 Torry Pines	1988	No	CP	SFR	No
2	1	440 Torry Pines	1986	No	CP	SFR	Yes
3	1	205 Palm Springs	1987	No	CP	SFR	No
4	1	225 Palm Springs	1984	No	CP	SFR	No
5	1	250 Palm Springs	1984	No	CP	SFR	Yes
6	1	458 Palm Springs	1988	No	CP	SFR	No
7	1	490 Palm Springs	1986	No	CP	SFR	No
8	1	485 Palm Springs	1986	No	CP	SFR	No
9	1	14475 River Oaks	1986	No	CP	SFR	No
10	1	14521 River Oaks	1985	No	CP	SFR	No
11	1	14527 River Oaks	1986	No	CP	SFR	No
12	1	14555 River Oaks	1984	No	CP	SFR	Yes
13	1	14545 River Oaks	1984	No	CP	SFR	No
14	1	14525 Latrobe	1986	No	CP	SFR	No
15	1	14620 Latrobe	1983	No	CP	SFR	No

Tier Level
1 = Tier 1
2 = Tier 2
3 = Tier 3
R = Represents System

Plumbing Type
CPLS = Copper Pipes with Lead Solder
CP = Copper Pipes without Lead Solder
NonCP = Non-Copper Pipes
LP = Lead Pipes
OT = Other

Site Type
SFR = Single Family Residence
SFB = Single Family Structure Used for Business
MFR = Multi-Family Residence
B = Building
OT = Other

Colorado Department of Public Health and Environment

Lead and Copper Sample Site Pool Location Details Form

WQCD – Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Section I (Completed by Public Water Systems Only)

Public Water System Information

PWSID: CO 0121175	Page 1 of 2
System Name: Donala Water &Sani.District	Number of Sample Site Locations Required: 20
Contact Person: Mark D Parker	Phone #: 719-488-3603

Comments:

Mark D Parker	Chief Water Operator	August 15, 2013
System Authorized Signature — Printed Name	Title	Date

Section II (Completed by Public Water Systems Only)

Number	Tier Level (see below)	Sample Point ID / Address – Location	Date Built	Lead Service Line?	Plumbing Type (see below)	Site Type (see below)	New Site?
16	1	14680 Latrobe	1983	No	CP	SFR	No
17	1	14640 Latrobe	1984	No	CP	SFR	No
18	1	465 Cherry Hills	1988	No	CP	SFR	No
19	1	210 Mission Hills	1987	No	CP	SFR	No
20	1	255 Doral	1985	No	CP	SFR	No
21	1	14070 Gleneagle	1985	No	CP	SFR	No
22	1	14080 Gleneagle	1986	No	CP	SFR	No
23	1	14090 Gleneagle	1987	No	CP	SFR	No
24	1	14580 Westchester	1983	No	CP	SFR	No
25	1	14350 Westchester	1973	No	CP	SFR	No

Tier Level
1 = Tier 1
2 = Tier 2
3 = Tier 3
R = Represents System

Plumbing Type
CPLS = Copper Pipes with Lead Solder
CP = Copper Pipes without Lead Solder
NonCP = Non-Copper Pipes
LP = Lead Pipes
OT = Other

Site Type
SFR = Single Family Residence
SFB = Single Family Structure Used for Business
MFR = Multi-Family Residence
B = Building
OT = Other

Colorado Department of Public Health and Environment

Sample Results, Collection Certification, and 90th Percentile Form

WQCD – Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Section I (Completed by Public Water Systems Only)

Public Water System Information

PWSID #: CO 0121175	
System Name: Donala Water & Sanitation District	
Contact Person: Mark D. Parker	Phone #: 719-488-3603
Comments:	

	Mark D Parker	Chief Water Operator	August 15, 2013
System Authorized Signature	Printed Name	Title	Date

Section II (Completed by Public Water Systems Only)

Sample Results and 90th Percentile

Number of Samples Required:	20	Lead 90th Percentile (mg/L):	0.00353
Number of Samples Submitted:	25	Copper 90th Percentile (mg/L):	0.207

Certification of Sample Collection

By Signing I Certify:

Each first draw tap water sample for lead and copper is one liter in volume and, to the best of my knowledge, has stood motionless in the plumbing for at least six hours.

Each first draw sample collected from a single family residence has been collected from the cold water kitchen tap or bathroom sink tap.

Each first draw sample collected from a non-residential building has been collected at an interior cold-water tap from which water is typically drawn for consumption.

If a resident volunteered to collect a tap water sample from his or her home, I certify that they have been properly instructed in the proper methods for collecting lead and copper samples. I do not challenge the accuracy of those sampling results. Enclosed is a copy of the material distributed to the residents explaining the proper collection methods.

I do not challenge the accuracy of these sampling results.

No changes to the sampling sites were made. If changes were made to sampling sites a Change of Sampling Site form is attached hereto.

Lead and Copper Certified Laboratory Report form

Revision: 6/14/13

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398 cdphe.drinkingwater@state.co.us

LCR

Section I (Completed by the Public Water System only)				Section II (Completed by Certified Laboratories only)			
Public Water System Information				Certified Laboratory Information			
PWSID#: CO 0121175	Facility ID: 14521 RIVER OAKS DR			Laboratory ID: CO00049			
System Name: Donala Water & Sanitation District				Laboratory Name: Accutest Mountain States			
Contact Person: Mark Parker	Phone: 7194883603			Contact Person: Client Services	Phone: (303)425-6021		
Comments:				Comments:			
				Scott Heideman	Lab Director	8/9/2013	
System Authorized Signature	Printed Name	Title	Date	Laboratory Authorized Signature	Printed Name	Title	Date

Section III (Completed by Public Water Systems Only)					Section IV (Completed by Certified Laboratories Only)					
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14521 RIVER OAKS DR	8/7/2013	8/8/2013	D49018-1	Copper	E200.8	1.3	0.004	0.14
8/7/2013	MP	14521 RIVER OAKS DR	8/7/2013	8/8/2013	D49018-1	Lead	E200.8	0.015	0.001	0.0014
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14527 RIVER OAKS DR	8/7/2013	8/8/2013	D49018-2	Copper	E200.8	1.3	0.004	0.18
8/7/2013	MP	14527 RIVER OAKS DR	8/7/2013	8/8/2013	D49018-2	Lead	E200.8	0.015	0.001	0.0023
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14555 RIVER OAKS DR	8/7/2013	8/8/2013	D49018-3	Copper	E200.8	1.3	0.004	0.076
8/7/2013	MP	14555 RIVER OAKS DR	8/7/2013	8/8/2013	D49018-3	Lead	E200.8	0.015	0.001	BDL
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14545 RIVER OAKS DR	8/7/2013	8/8/2013	D49018-4	Copper	E200.8	1.3	0.004	0.2
8/7/2013	MP	14545 RIVER OAKS DR	8/7/2013	8/8/2013	D49018-4	Lead	E200.8	0.015	0.001	0.0015
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	205 PALM SPRINGS WAY	8/7/2013	8/8/2013	D49018-5	Copper	E200.8	1.3	0.004	0.087
8/7/2013	MP	205 PALM SPRINGS WAY	8/7/2013	8/8/2013	D49018-5	Lead	E200.8	0.015	0.001	BDL
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	225 PALM SPRINGS WAY	8/7/2013	8/8/2013	D49018-6	Copper	E200.8	1.3	0.004	0.099
8/7/2013	MP	225 PALM SPRINGS WAY	8/7/2013	8/8/2013	D49018-6	Lead	E200.8	0.015	0.001	BDL

AL = Action Level

Lead and Copper Certified Laboratory Report form

Revision: 6/14/13

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398 cdphe.drinkingwater@state.co.us

LCR

Section I (Completed by the Public Water Systems only)				Section II (Completed by Certified Laboratories only)			
Public Water System Information				Certified Laboratory Information			
PWSID#: CO 0121175	Facility ID: 250 PALM SPRINGS WAY			Laboratory ID: CO00049			
System Name: Donala Water & Sanitation District				Laboratory Name: Accutest Mountain States			
Contact Person: Dana C. Duthie	Phone: 7194883603			Contact Person: Client Services	Phone: (303)425-6021		
Comments:				Comments:			
				Scott Heideman	Lab Director	8/9/2013	
System Authorized Signature	Printed Name	Title	Date	Laboratory Authorized Signature	Printed Name	Title	Date

Section III (Completed by Public Water Systems Only)					Section IV (Completed by Certified Laboratories Only)					
Sample Date	Collector	Sample PT. ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	250 PALM SPRINGS WAY	8/7/2013	8/8/2013	D49018-7	Copper	E200.8	1.3	0.004	0.11
8/7/2013	MP	250 PALM SPRINGS WAY	8/7/2013	8/8/2013	D49018-7	Lead	E200.8	0.015	0.001	0.0012
Sample Date	Collector	Sample PT. ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	458 PALM SPRINGS WAY	8/7/2013	8/8/2013	D49018-8	Copper	E200.8	1.3	0.004	0.11
8/7/2013	MP	458 PALM SPRINGS WAY	8/7/2013	8/8/2013	D49018-8	Lead	E200.8	0.015	0.001	BDL
Sample Date	Collector	Sample PT. ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	490 PALM SPRINGS WAY	8/7/2013	8/8/2013	D49018-9	Copper	E200.8	1.3	0.004	0.2
8/7/2013	MP	490 PALM SPRINGS WAY	8/7/2013	8/8/2013	D49018-9	Lead	E200.8	0.015	0.001	0.0036

AL = Action Level

Lead and Copper Certified Laboratory Report form

Revision: 6/14/13

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398 cdphe.drinkingwater@state.co.us

LCR

Section I (Completed by the Public Water Systems only)				Section II (Completed by Certified Laboratories only)			
Public Water System Information				Certified Laboratory Information			
PWSID#: CO 0121175	Facility ID: 485 PALM SPRINGS WAY			Laboratory ID: CO00049			
System Name: Donala Water & Sanitation District				Laboratory Name: Accutest Mountain States			
Contact Person: Mark Parker	Phone: 7194883603			Contact Person: Client Services	Phone: (303)425-6021		
Comments:				Comments:			
				Scott Heideman	Lab Director	8/9/2013	
System Authorized Signature	Printed Name	Title	Date	Laboratory Authorized Signature	Printed Name	Title	Date

Section III (Completed by Public Water Systems Only)					Section IV (Completed by Certified Laboratories Only)					
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	485 PALM SPRINGS WAY	8/7/2013	8/8/2013	D49017-1	Copper	E200.8	1.3	0.004	0.097
8/7/2013	MP	485 PALM SPRINGS WAY	8/7/2013	8/8/2013	D49017-1	Lead	E200.8	0.015	0.001	BDL
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14580 WESTCHESTER DR	8/7/2013	8/8/2013	D49017-2	Copper	E200.8	1.3	0.004	0.12
8/7/2013	MP	14580 WESTCHESTER DR	8/7/2013	8/8/2013	D49017-2	Lead	E200.8	0.015	0.001	BDL
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14350 WESTCHESTER DR	8/7/2013	8/8/2013	D49017-3	Copper	E200.8	1.3	0.004	0.22
8/7/2013	MP	14350 WESTCHESTER DR	8/7/2013	8/8/2013	D49017-3	Lead	E200.8	0.015	0.001	0.0042
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	210 MISSION HILLS WAY	8/7/2013	8/8/2013	D49017-4	Copper	E200.8	1.3	0.004	0.12
8/7/2013	MP	210 MISSION HILLS WAY	8/7/2013	8/8/2013	D49017-4	Lead	E200.8	0.015	0.001	BDL
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	416 TORRY PINES WAY	8/7/2013	8/8/2013	D49017-5	Copper	E200.8	1.3	0.004	0.25
8/7/2013	MP	416 TORRY PINES WAY	8/7/2013	8/8/2013	D49017-5	Lead	E200.8	0.015	0.001	BDL
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	440 TORRY PINES WAY	8/7/2013	8/8/2013	D49017-6	Copper	E200.8	1.3	0.004	0.19
8/7/2013	MP	440 TORRY PINES WAY	8/7/2013	8/8/2013	D49017-6	Lead	E200.8	0.015	0.001	0.002

AL = Action Level

Lead and Copper Certified Laboratory Report form

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398cdphe.drinkingwater@state.co.us

Revision: 6/14/13

LCR

Section I (Completed by the Public Water Systems only)				Section II (Completed by Certified Laboratories only)			
Public Water System Information				Certified Laboratory Information			
PWSID#: CO 0121175	Facility ID: 255 DORAL WAY			Laboratory ID: CO00049			
System Name: Donala Water & Sanitation District				Laboratory Name: Accutest Mountain States			
Contact Person: Dana C. Duthie	Phone: 7194883603			Contact Person: Client Services	Phone: (303)425-6021		
Comments:				Comments:			
				Scott Heideman	Lab Director	8/9/2013	
System Authorized Signature	Printed Name	Title	Date	Laboratory Authorized Signature	Printed Name	Title	Date

Section III (Completed by Public Water Systems Only)					Section IV (Completed by Certified Laboratories Only)				
Sample Date	Collector	Sample PT.ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	255 DORAL WAY	8/7/2013	8/8/2013	D49017-7	Copper	E200.8	1.3	0.004	0.16
8/7/2013	MP	255 DORAL WAY	8/7/2013	8/8/2013	D49017-7	Lead	E200.8	0.015	0.001	0.0029
Sample Date	Collector	Sample PT.ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	465 CHERRY HILLS WAY	8/7/2013	8/8/2013	D49017-8	Copper	E200.8	1.3	0.004	0.18
8/7/2013	MP	465 CHERRY HILLS WAY	8/7/2013	8/8/2013	D49017-8	Lead	E200.8	0.015	0.001	0.0012
Sample Date	Collector	Sample PT.ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14070 GLENEAGLE DR	8/7/2013	8/8/2013	D49017-9	Copper	E200.8	1.3	0.004	0.057
8/7/2013	MP	14070 GLENEAGLE DR	8/7/2013	8/8/2013	D49017-9	Lead	E200.8	0.015	0.001	BDL
Sample Date	Collector	Sample PT.ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14080 GLENEAGLE DR	8/7/2013	8/8/2013	D49017-10	Copper	E200.8	1.3	0.004	0.14
8/7/2013	MP	14080 GLENEAGLE DR	8/7/2013	8/8/2013	D49017-10	Lead	E200.8	0.015	0.001	0.0026

AL = Action Level

Lead and Copper Certified Laboratory Report form

Revision: 6/14/13

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398 cdphe.drinkingwater@state.co.us

LCR

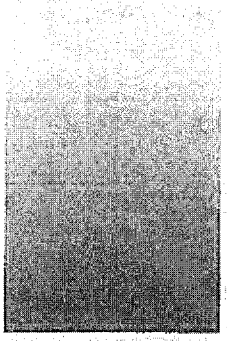
Section I (Completed by the Public Water Systems only)				Section II (Completed by Certified Laboratories only)			
Public Water System Information				**Certified Laboratory Information**			
PWSID#: CO 0121175	Facility ID: 14090 GLENEAGLE DR			Laboratory ID: CO00049			
System Name: Donala Water & Sanitation District				Laboratory Name: Accutest Mountain States			
Contact Person: Mark Parker	Phone: 7194883603			Contact Person: Client Services	Phone: (303)425-6021		
Comments:				Comments:			
				Scott Heideman	Lab Director	8/14/2013	
System Authorized Signature	Printed Name	Title	Date	Laboratory Authorized Signature	Printed Name	Title	Date

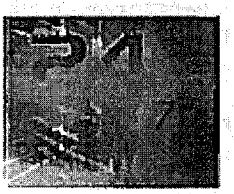
Section III (Completed by Public Water Systems Only)				Section IV (Completed by Certified Laboratories Only)						
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14090 GLENEAGLE DR	8/7/2013	8/13/2013	D49016-1	Copper	E200.8	1.3	0.004	0.078
8/7/2013	MP	14090 GLENEAGLE DR	8/7/2013	8/13/2013	D49016-1	Lead	E200.8	0.015	0.001	BDL
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14525 LATROBE DR	8/7/2013	8/13/2013	D49016-2	Copper	E200.8	1.3	0.004	0.074
8/7/2013	MP	14525 LATROBE DR	8/7/2013	8/13/2013	D49016-2	Lead	E200.8	0.015	0.001	BDL
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14620 LATROBE DR	8/7/2013	8/13/2013	D49016-3	Copper	E200.8	1.3	0.004	0.21
8/7/2013	MP	14620 LATROBE DR	8/7/2013	8/13/2013	D49016-3	Lead	E200.8	0.015	0.001	0.0015
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14680 LATROBE DR	8/7/2013	8/13/2013	D49016-4	Copper	E200.8	1.3	0.004	0.059
8/7/2013	MP	14680 LATROBE DR	8/7/2013	8/13/2013	D49016-4	Lead	E200.8	0.015	0.001	0.0012
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14640 LATROBED DR	8/7/2013	8/13/2013	D49016-5	Copper	E200.8	1.3	0.004	0.081
8/7/2013	MP	14640 LATROBED DR	8/7/2013	8/13/2013	D49016-5	Lead	E200.8	0.015	0.001	BDL
Sample Date	Collector	Sample PT ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14510 BURMUDA DUNES WAY	8/7/2013	8/13/2013	D49016-6	Copper	E200.8	1.3	0.004	0.04
8/7/2013	MP	14510 BURMUDA DUNES WAY	8/7/2013	8/13/2013	D49016-6	Lead	E200.8	0.015	0.001	BDL

AL = Action Level

Mountain States ACCUTEST LABORATORIES

08/15/13





Technical Report for

Donala Water & Sanitation District

PWSID CO0121175 Donala W&S District

Accutest Job Number: D49016

Sampling Date: 08/07/13

Report to:

Donala Water & Sanitation District

markp@donalawater.com

ATTN: Mark Parker

Total number of pages in report: 17

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Scott Heideman
Laboratory Director

Client Service contact: Renea Jackson 303-425-6021

Certifications: CO (CO00049), ID, NE (CO00049), ND (R-027), NJ (CO 0007), OK (D9942), UT (NELAP CO00049), TX (T104704511)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories. Test results relate only to samples analyzed.

Accutest Laboratories is the sole authority for authorizing edits or modifications to this document. Unauthorized modification of this report is strictly prohibited.

Lead and Copper Certified Laboratory Report form

Revision: 6/14/13

LCR

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398 cdphe.drinkingwater@state.co.us

Section I (Completed by the Public Water Systems only)		Section II (Completed by Certified Laboratories only)	
Public Water System Information		**Certified Laboratory Information**	
PWSID#: CO 0121175	Facility ID: 14521 RIVER OAKS DR	Laboratory ID: CO00049	
System Name: Donala Water & Sanitation District		Laboratory Name: Accutest Mountain States	
Contact Person: Mark Parker	Phone: 7194883603	Contact Person: Client Services	Phone: (303)425-6021
Comments:		Comments:	
Mark Parker MARK PARKER chief water oper 8/15/13		Scott Heideman Lab Director 8/9/2013	
System Authorized Signature Printed Name Title Date		Laboratory Authorized Signature Printed Name Title Date	

Section III (Completed by Public Water Systems Only)					Section IV (Completed by Certified Laboratories Only)					
Sample Date	Collector	Sample PT.ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14521 RIVER OAKS DR	8/7/2013	8/8/2013	D49018-1	Copper	E200.8	1.3	0.004	0.14
8/7/2013	MP	14521 RIVER OAKS DR	8/7/2013	8/8/2013	D49018-1	Lead	E200.8	0.015	0.001	0.0014
Sample Date	Collector	Sample PT.ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14527 RIVER OAKS DR	8/7/2013	8/8/2013	D49018-2	Copper	E200.8	1.3	0.004	0.18
8/7/2013	MP	14527 RIVER OAKS DR	8/7/2013	8/8/2013	D49018-2	Lead	E200.8	0.015	0.001	0.0023
Sample Date	Collector	Sample PT.ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14555 RIVER OAKS DR	8/7/2013	8/8/2013	D49018-3	Copper	E200.8	1.3	0.004	0.076
8/7/2013	MP	14555 RIVER OAKS DR	8/7/2013	8/8/2013	D49018-3	Lead	E200.8	0.015	0.001	BDL
Sample Date	Collector	Sample PT.ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14545 RIVER OAKS DR	8/7/2013	8/8/2013	D49018-4	Copper	E200.8	1.3	0.004	0.2
8/7/2013	MP	14545 RIVER OAKS DR	8/7/2013	8/8/2013	D49018-4	Lead	E200.8	0.015	0.001	0.0015
Sample Date	Collector	Sample PT.ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	205 PALM SPRINGS WAY	8/7/2013	8/8/2013	D49018-5	Copper	E200.8	1.3	0.004	0.087
8/7/2013	MP	205 PALM SPRINGS WAY	8/7/2013	8/8/2013	D49018-5	Lead	E200.8	0.015	0.001	BDL
Sample Date	Collector	Sample PT.ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	225 PALM SPRINGS WAY	8/7/2013	8/8/2013	D49018-6	Copper	E200.8	1.3	0.004	0.099
8/7/2013	MP	225 PALM SPRINGS WAY	8/7/2013	8/8/2013	D49018-6	Lead	E200.8	0.015	0.001	BDL

AL = Action Level

Lead and Copper Certified Laboratory Report form

Revision: 6/14/13

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398 cdphe.drinkingwater@state.co.us

LCR

Section I (Completed by the Public Water Systems only)		Section II (Completed by Certified Laboratories only)	
Public Water System Information		Certified Laboratory Information	
PWSID#: CO 0121175	Facility ID: 485 PALM SPRINGS WAY	Laboratory ID: CO00049	
System Name: Donala Water & Sanitation District		Laboratory Name: Accutest Mountain States	
Contact Person: Mark Parker	Phone: 7194883603	Contact Person: Client Services	Phone: (303)425-6021
Comments:		Comments:	
Mark Parker MARK PARKER Chief water oper 8/15/13		Scott Heideman Lab Director 8/9/2013	
System Authorized Signature Printed Name Title Date		Laboratory Authorized Signature Printed Name Title Date	

Section III (Completed by Public Water Systems Only) / Section IV (Completed by Certified Laboratories Only)

Sample Date	Collector	Sample PT.ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	485 PALM SPRINGS WAY	8/7/2013	8/8/2013	D49017-1	Copper	E200.8	1.3	0.004	0.097
8/7/2013	MP	485 PALM SPRINGS WAY	8/7/2013	8/8/2013	D49017-1	Lead	E200.8	0.015	0.001	BDL
Sample Date	Collector	Sample PT.ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14580 WESTCHESTER DR	8/7/2013	8/8/2013	D49017-2	Copper	E200.8	1.3	0.004	0.12
8/7/2013	MP	14580 WESTCHESTER DR	8/7/2013	8/8/2013	D49017-2	Lead	E200.8	0.015	0.001	BDL
Sample Date	Collector	Sample PT.ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14350 WESTCHESTER DR	8/7/2013	8/8/2013	D49017-3	Copper	E200.8	1.3	0.004	0.22
8/7/2013	MP	14350 WESTCHESTER DR	8/7/2013	8/8/2013	D49017-3	Lead	E200.8	0.015	0.001	0.0042
Sample Date	Collector	Sample PT.ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	210 MISSION HILLS WAY	8/7/2013	8/8/2013	D49017-4	Copper	E200.8	1.3	0.004	0.12
8/7/2013	MP	210 MISSION HILLS WAY	8/7/2013	8/8/2013	D49017-4	Lead	E200.8	0.015	0.001	BDL
Sample Date	Collector	Sample PT.ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	416 TORRY PINES WAY	8/7/2013	8/8/2013	D49017-5	Copper	E200.8	1.3	0.004	0.25
8/7/2013	MP	416 TORRY PINES WAY	8/7/2013	8/8/2013	D49017-5	Lead	E200.8	0.015	0.001	BDL
Sample Date	Collector	Sample PT.ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	440 TORRY PINES WAY	8/7/2013	8/8/2013	D49017-6	Copper	E200.8	1.3	0.004	0.19
8/7/2013	MP	440 TORRY PINES WAY	8/7/2013	8/8/2013	D49017-6	Lead	E200.8	0.015	0.001	0.002

AL = Action Level

Lead and Copper Certified Laboratory Report form

Revision: 6/14/13

LCR

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398 cdphe.drinkingwater@state.co.us

Section I (Completed by the Public Water Systems only)		Section II (Completed by Certified Laboratories only)	
Public Water System Information		**Certified Laboratory Information**	
PWSID#: CO 0121175	Facility ID: 255 DORAL WAY	Laboratory ID: CO00049	
System Name: Donala Water & Sanitation District		Laboratory Name: Accutest Mountain States	
Contact Person: Dana C. Duthie	Phone: 7194883603	Contact Person: Client Services	Phone: (303)425-6021
Comments:		Comments:	
Mark D Parker Chief Water oper. 8/15/13		Scott Heideman Lab Director 8/9/2013	
System Authorized Signature Printed Name Title Date		Laboratory Authorized Signature Printed Name Title Date	

Section III (Completed by Public Water Systems Only) / Section IV (Completed by Certified Laboratories Only)

Sample Date	Collector	Sample PT. ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	255 DORAL WAY	8/7/2013	8/8/2013	D49017-7	Copper	E200.8	1.3	0.004	0.16
8/7/2013	MP	255 DORAL WAY	8/7/2013	8/8/2013	D49017-7	Lead	E200.8	0.015	0.001	0.0029
Sample Date	Collector	Sample PT. ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	465 CHERRY HILLS WAY	8/7/2013	8/8/2013	D49017-8	Copper	E200.8	1.3	0.004	0.18
8/7/2013	MP	465 CHERRY HILLS WAY	8/7/2013	8/8/2013	D49017-8	Lead	E200.8	0.015	0.001	0.0012
Sample Date	Collector	Sample PT. ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14070 GLENEAGLE DR	8/7/2013	8/8/2013	D49017-9	Copper	E200.8	1.3	0.004	0.057
8/7/2013	MP	14070 GLENEAGLE DR	8/7/2013	8/8/2013	D49017-9	Lead	E200.8	0.015	0.001	BDL
Sample Date	Collector	Sample PT. ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14080 GLENEAGLE DR	8/7/2013	8/8/2013	D49017-10	Copper	E200.8	1.3	0.004	0.14
8/7/2013	MP	14080 GLENEAGLE DR	8/7/2013	8/8/2013	D49017-10	Lead	E200.8	0.015	0.001	0.0026

AL = Action Level

Lead and Copper Certified Laboratory Report form

Revision: 6/14/13

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398 cdphe.drinkingwater@state.co.us

LCR

Section I (Completed by the Public Water Systems only)		Section II (Completed by Certified Laboratories only)	
Public Water System Information		**Certified Laboratory Information**	
PWSID#: CO 0121175	Facility ID: 250 PALM SPRINGS WAY	Laboratory ID: CO00049	
System Name: Donala Water & Sanitation District		Laboratory Name: Accutest Mountain States	
Contact Person: Dana C. Duthie	Phone: 7194883603	Contact Person: Client Services	Phone: (303)425-6021
Comments:		Comments:	
Mark D Parker — Mark D Parker — Chief water oper — 8/15/13		Scott Heideman — Lab Director — 8/9/2013	
System Authorized Signature — Printed Name — Title — Date		Laboratory Authorized Signature — Printed Name — Title — Date	

Section III (Completed by Public Water Systems Only) / Section IV (Completed by Certified Laboratories Only)

Sample Date	Collector	Sample PT.ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	250 PALM SPRINGS WAY	8/7/2013	8/8/2013	D49018-7	Copper	E200.8	1.3	0.004	0.11
8/7/2013	MP	250 PALM SPRINGS WAY	8/7/2013	8/8/2013	D49018-7	Lead	E200.8	0.015	0.001	0.0012
Sample Date	Collector	Sample PT.ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	458 PALM SPRINGS WAY	8/7/2013	8/8/2013	D49018-8	Copper	E200.8	1.3	0.004	0.11
8/7/2013	MP	458 PALM SPRINGS WAY	8/7/2013	8/8/2013	D49018-8	Lead	E200.8	0.015	0.001	BDL
Sample Date	Collector	Sample PT.ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	490 PALM SPRINGS WAY	8/7/2013	8/8/2013	D49018-9	Copper	E200.8	1.3	0.004	0.2
8/7/2013	MP	490 PALM SPRINGS WAY	8/7/2013	8/8/2013	D49018-9	Lead	E200.8	0.015	0.001	0.0036

AL = Action Level

Lead and Copper Certified Laboratory Report form

Revision: 6/14/13

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398&cdphe.drinkingwater@state.co.us

LCR

Section I (Completed by the Public Water Systems only)		Section II (Completed by Certified Laboratories only)	
Public Water System Information		**Certified Laboratory Information**	
PWSID#: CO 0121175	Facility ID: 14090 GLENEAGLE DR	Laboratory ID: CO00049	
System Name: Donala Water & Sanitation District		Laboratory Name: Accutest Mountain States	
Contact Person: Mark Parker	Phone: 7194883603	Contact Person: Client Services	Phone: (303)425-6021
Comments:		Comments:	
Mark Parker MARK D PARKER Chief Water Oper 8/15/13		Scott Heideman Lab Director 8/14/2013	
System Authorized Signature Printed Name Title Date		Laboratory Authorized Signature Printed Name Title Date	

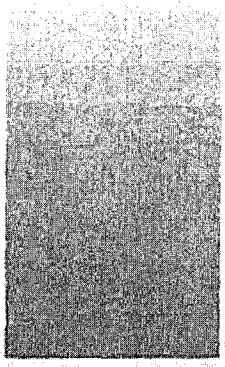
Section III (Completed by Public Water Systems Only)										
Sample Date	Collector	Sample PT.ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14090 GLENEAGLE DR	8/7/2013	8/13/2013	D49016-1	Copper	E200.8	1.3	0.004	0.078
8/7/2013	MP	14090 GLENEAGLE DR	8/7/2013	8/13/2013	D49016-1	Lead	E200.8	0.015	0.001	BDL
Sample Date	Collector	Sample PT.ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14525 LATROBE DR	8/7/2013	8/13/2013	D49016-2	Copper	E200.8	1.3	0.004	0.074
8/7/2013	MP	14525 LATROBE DR	8/7/2013	8/13/2013	D49016-2	Lead	E200.8	0.015	0.001	BDL
Sample Date	Collector	Sample PT.ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14620 LATROBE DR	8/7/2013	8/13/2013	D49016-3	Copper	E200.8	1.3	0.004	0.21
8/7/2013	MP	14620 LATROBE DR	8/7/2013	8/13/2013	D49016-3	Lead	E200.8	0.015	0.001	0.0015
Sample Date	Collector	Sample PT.ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14680 LATROBE DR	8/7/2013	8/13/2013	D49016-4	Copper	E200.8	1.3	0.004	0.059
8/7/2013	MP	14680 LATROBE DR	8/7/2013	8/13/2013	D49016-4	Lead	E200.8	0.015	0.001	0.0012
Sample Date	Collector	Sample PT.ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14640 LATROBED DR	8/7/2013	8/13/2013	D49016-5	Copper	E200.8	1.3	0.004	0.081
8/7/2013	MP	14640 LATROBED DR	8/7/2013	8/13/2013	D49016-5	Lead	E200.8	0.015	0.001	BDL
Sample Date	Collector	Sample PT.ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14510 BURMUDA DUNES WAY	8/7/2013	8/13/2013	D49016-6	Copper	E200.8	1.3	0.004	0.04
8/7/2013	MP	14510 BURMUDA DUNES WAY	8/7/2013	8/13/2013	D49016-6	Lead	E200.8	0.015	0.001	BDL

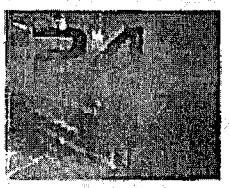
AL = Action Level

e-Hardcopy 2.0
Automated Report

Mountain States ACCUTEST LABORATORIES

08/09/13





Technical Report for

Donala Water & Sanitation District

PWSID CO0121175 Donala W&S District

Accutest Job Number: D49017

Sampling Date: 08/07/13

Report to:

Donala Water & Sanitation District
15850 Holbein Drive
Colorado Springs, CO 80921
mark@donalawater.com

ATTN: Mark Parker

Total number of pages in report: 23

Per the COC, results were NOT sent to CDPHE.

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Scott Heideman
Laboratory Director

Client Service contact: Renea Jackson 303-425-6021

Certifications: CO (CO00049), ID, NE (CO00049), ND (R-027), NJ (CO 0007), OK (D9942), UT (NELAP CO00049), TX (T104704511)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories. Test results relate only to samples analyzed.

Colorado Department of Public Health and Environment

Lead and Copper Sample Site Pool Location Details Form

WQCD – Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Section I (Completed by Public Water Systems Only)

Public Water System Information

PWSID: CO 0121175	Page 1 of 2
System Name: Donala Water &Sani.District	Number of Sample Site Locations Required: 20
Contact Person: Mark D Parker	Phone #: 719-488-3603

Comments:

Mark D Parker	Mark D Parker	Chief Water Operator	August 15, 2013
System Authorized Signature	Printed Name	Title	Date

Section II (Completed by Public Water Systems Only)

Number	Tier Level (see below)	Sample Point ID / Address – Location	Date Built	Lead Service Line?	Plumbing Type (see below)	Site Type (see below)	New Site?
1	1	416 Torry Pines	1988	No	CP	SFR	No
2	1	440 Torry Pines	1986	No	CP	SFR	Yes
3	1	205 Palm Springs	1987	No	CP	SFR	No
4	1	225 Palm Springs	1984	No	CP	SFR	No
5	1	250 Palm Springs	1984	No	CP	SFR	Yes
6	1	458 Palm Springs	1988	No	CP	SFR	No
7	1	490 Palm Springs	1986	No	CP	SFR	No
8	1	485 Palm Springs	1986	No	CP	SFR	No
9	1	14475 River Oaks	1986	No	CP	SFR	No
10	1	14521 River Oaks	1985	No	CP	SFR	No
11	1	14527 River Oaks	1986	No	CP	SFR	No
12	1	14555 River Oaks	1984	No	CP	SFR	Yes
13	1	14545 River Oaks	1984	No	CP	SFR	No
14	1	14525 Latrobe	1986	No	CP	SFR	No
15	1	14620 Latrobe	1983	No	CP	SFR	No

Tier Level
1 = Tier 1
2 = Tier 2
3 = Tier 3
R = Represents System

Plumbing Type
CPLS = Copper Pipes with Lead Solder
CP = Copper Pipes without Lead Solder
NonCP = Non-Copper Pipes
LP = Lead Pipes
OT = Other

Site Type
SFR = Single Family Residence
SFB = Single Family Structure Used for Business
MFR = Multi-Family Residence
B = Building
OT = Other

Colorado Department of Public Health and Environment

Lead and Copper Sample Site Pool Location Details Form

WQCD – Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Section I (Completed by Public Water Systems Only)

Public Water System Information

PWSID: CO 0121175	Page 1 of 2
System Name: Donala Water &Sani.District	Number of Sample Site Locations Required: 20
Contact Person: Mark D Parker	Phone #: 719-488-3603

Comments:

Mark D Parker	Chief Water Operator	August 15, 2013
System Authorized Signature	Printed Name	Title	Date

Section II (Completed by Public Water Systems Only)

Number	Tier Level (see below)	Sample Point ID / Address – Location	Date Built	Lead Service Line?	Plumbing Type (see below)	Site Type (see below)	New Site?
16	1	14680 Latrobe	1983	No	CP	SFR	No
17	1	14640 Latrobe	1984	No	CP	SFR	No
18	1	465 Cherry Hills	1988	No	CP	SFR	No
19	1	210 Mission Hills	1987	No	CP	SFR	No
20	1	255 Doral	1985	No	CP	SFR	No
21	1	14070 Gleneagle	1985	No	CP	SFR	No
22	1	14080 Gleneagle	1986	No	CP	SFR	No
23	1	14090 Gleneagle	1987	No	CP	SFR	No
24	1	14580 Westchester	1983	No	CP	SFR	No
25	1	14350 Westchester	1973	No	CP	SFR	No

Tier Level
1 = Tier 1
2 = Tier 2
3 = Tier 3
R = Represents System

Plumbing Type
CPLS = Copper Pipes with Lead Solder
CP = Copper Pipes without Lead Solder
NonCP = Non-Copper Pipes
LP = Lead Pipes
OT = Other

Site Type
SFR = Single Family Residence
SFB = Single Family Structure Used for Business
MFR = Multi-Family Residence
B = Building
OT = Other

Colorado Department of Public Health and Environment

Lead and Copper Sample Site Change Form

WQCD – Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Section I (Completed by Public Water Systems Only)

Public Water System Information

PWSID: CO 0121175

System Name: Donala Water and Sanitation District

Contact Person: Mark D. Parker | Phone #: 719-488-3603

Comments:

System Authorized Signature	Printed Name	Title	Date
Mark D Parker	Mark D Parker	Chief Water Operator	August 15,2013

Section II (Completed by Public Water Systems Only)

Change Reason	Site	Tier Level (see below)	Sample Point ID / Address – Location	Date Built	Lead Service Line?	Plumbing Type (see below)	Site Type (see below)
Possible replacement for old non-contact	Old						
	New	1	440 Torry Pines	1986	No	CP	SFR
Possible replacement for old non-contact	Old						
	New	1	250 Palm Springs	1984	No	CP	SFR
Possible replacement for old non-contact	Old						
	New	1	14555 River Oaks	1984	No	CP	SFR
Unable to collect sample for 2013	Old	1	14475 River Oaks	1986	No	CP	SFR
	New						
	Old						
	New						

Tier Level
1 = Tier 1
2 = Tier 2
3 = Tier 3
R = Represents System

Plumbing Type
CPLS = Copper Pipes with Lead Solder
CP = Copper Pipes without Lead Solder
NonCP = Non-Copper Pipes
LP = Lead Pipes
OT = Other

Site Type
SFR = Single Family Residence
SFB = Single Family Structure Used for Business
MFR = Multi-Family Residence
B = Building
OT = Other

Colorado Department of Public Health and Environment

Sample Results, Collection Certification, and 90th Percentile Form

WQCD – Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Section I (Completed by Public Water Systems Only)

Public Water System Information

PWSID #: CO 0121175

System Name: Donala Water & Sanitation District

Contact Person: Mark D. Parker | Phone #: 719-488-3603

Comments:

System Authorized Signature	Printed Name	Title	Date
	Mark D Parker	Chief Water Operator	August 15, 2013

Section II (Completed by Public Water Systems Only)

Sample Results and 90th Percentile

Number of Samples Required:	20	Lead 90th Percentile (mg/L):	0.00353
Number of Samples Submitted:	25	Copper 90th Percentile (mg/L):	0.207

Certification of Sample Collection

By Signing I Certify:

Each first draw tap water sample for lead and copper is one liter in volume and, to the best of my knowledge, has stood motionless in the plumbing for at least six hours.

Each first draw sample collected from a single family residence has been collected from the cold water kitchen tap or bathroom sink tap.

Each first draw sample collected from a non-residential building has been collected at an interior cold-water tap from which water is typically drawn for consumption.

If a resident volunteered to collect a tap water sample from his or her home, I certify that they have been properly instructed in the proper methods for collecting lead and copper samples. I do not challenge the accuracy of those sampling results. Enclosed is a copy of the material distributed to the residents explaining the proper collection methods.

I do not challenge the accuracy of these sampling results.

No changes to the sampling sites were made. If changes were made to sampling sites a Change of Sampling Site form is attached hereto.

2010	2007 Copper mg/l	2010 Copper mg/l	2007 Lead mg/l	2010 Lead mg/l
14475 RIVER OAKS	0.12	0.071	0.004	BDL
14521 RIVER OAKS	0.12	0.086	0.004	BDL
14527 RIVER OAKS	0.26	0.096	0.0017	BDL
14545 RIVER OAKS	0.28	0.099	0.003	0.001
14555 RIVER OAKS				
205 PALM SPRINGS	0.18	0.1	0.0014	0.0011
225 PALM SPRINGS	0.11	0.11	0.0016	0.0011
250 PALM SPRINGS				
458 PALM SPRINGS	0.11	0.11	BDL	0.0014
490 PALM SPRINGS	0.11	0.11	BDL	0.0015
485 PALM SPRINGS	0.14	0.12	0.0015	0.0015
14580 WESTCHESTER	0.096	0.12	0.0021	0.0016
14350 WESTCHESTER	0.1	0.14	BDL	0.0017
210 MISSION HILLS	0.14	0.14	0.0026	0.0017
416 TORREY PINES	0.2	0.16	0.0025	0.0018
440 TORRY PINES				
255 DORAL	0.19	0.17	0.001	0.0021
465 CHERRY HILLS	0.19	0.17	0.0017	0.0025
14070 GLENEAGLE DR	0.099	0.18	0.0018	0.0026
14080 GLENEAGLE DR	0.17	0.19	0.0031	0.0029
14090 GLENEAGLE DR	0.071	0.19	0.0011	0.003
14525 LATROBE DR	0.28	0.2	0.0015	0.0031
14620 LATROBE DR	0.17	0.26	0.0036	0.0036
14680 LATROBE DR	0.086	0.28	0.0011	0.004
14640 LATROBE DR	0.16	0.28	0.0029	0.004
90 th PERCINTILE	0.254	0.254	0.00368	0.00368

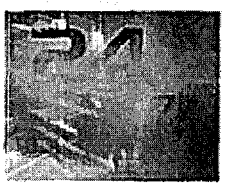
	2013	2010 Copper mg/l	2013 Copper mg/l	2010 Lead mg/l	2013 Lead mg/l
1	14475 RIVER OAKS	0.071	N/A	BDL	N/A
2	14521 RIVER OAKS	0.086	0.14	BDL	0.0014
3	14527 RIVER OAKS	0.096	0.18	BDL	0.0023
4	14545 RIVER OAKS	0.099	0.2	0.001	0.0015
5	14555 RIVER OAKS	N/A	0.076	N/A	BDL
6	205 PALM SPRINGS	0.1	0.087	0.0011	BDL
7	225 PALM SPRINGS	0.11	0.099	0.0011	BDL
8	250 PALM SPRINGS	N/A	0.11	N/A	0.0012
9	458 PALM SPRINGS	0.11	0.11	0.0014	BDL
10	490 PALM SPRINGS	0.11	0.2	0.0015	0.0036
11	485 PALM SPRINGS	0.12	0.097	0.0015	BDL
12	14580 WESTCHESTER	0.12	0.12	0.0016	BDL
13	14350 WESTCHESTER	0.14	0.22	0.0017	0.0042
14	210 MISSION HILLS	0.14	0.12	0.0017	BDL
15	416 TORREY PINES	0.16	0.25	0.0018	BDL
16	440 TORRY PINES	N/A	0.19	N/A	0.002
17	255 DORAL	0.17	0.16	0.0021	0.0029
18	465 CHERRY HILLS	0.17	0.18	0.0025	0.0012
19	14070 GLENEAGLE DR	0.18	0.057	0.0026	BDL
20	14080 GLENEAGLE DR	0.19	0.14	0.0029	0.0026
21	14090 GLENEAGLE DR	0.19	0.078	0.003	BDL
22	14525 LATROBE DR	0.2	0.074	0.0031	BDL
23	14620 LATROBE DR	0.26	0.21	0.0036	0.0015
24	14680 LATROBE DR	0.28	0.059	0.004	0.0012
25	14640 LATROBE DR	0.28	0.081	0.004	BDL
26	14510 BURMUDA DUNES	N/A	0.04	N/A	BDL
	90 th PERCINTILE	0.254	0.207	0.00368	0.00353

PO ROC 63831

e-Hardcopy 2.0
Automated Report

Mountain States
ACCUTEST
LABORATORIES

08/14/13



Technical Report for

Donala Water & Sanitation District

PWSID CO0121175 Donala W&S District

Accutest Job Number: D49016

Sampling Date: 08/07/13

Report to:

Donala Water & Sanitation District
15850 Holbein Drive
Colorado Springs, CO 80921
mark@donalawater.com

ATTN: Mark Parker

Total number of pages in report: 17

Per the COC, results were NOT sent to CDPHE.

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Scott Heideman
Laboratory Director

Client Service contact: Renea Jackson 303-425-6021

Certifications: CO (CO00049), ID, NE (CO00049), ND (R-027), NJ (CO 0007), OK (D9942), UT (NELAP CO00049), TX (T104704511)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories. Test results relate only to samples analyzed.

Lead and Copper Certified Laboratory Report form

Revision: 6/14/13

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398 cdphe.drinkingwater@state.co.us

LCR

Section I (Completed by the Public Water Systems only)				Section II (Completed by Certified Laboratories only)			
Public Water System Information				Certified Laboratory Information			
PWSID#: CO 0121175	Facility ID: 14090 GLENEAGLE DR			Laboratory ID: CO00049			
System Name: Donala Water & Sanitation District				Laboratory Name: Accutest Mountain States			
Contact Person: Mark Parker	Phone: 7194883603			Contact Person: Client Services	Phone: (303)425-6021		
Comments:				Comments:			
				Scott Heideman	Lab Director	8/14/2013	
System Authorized Signature	Printed Name	Title	Date	Laboratory Authorized Signature	Printed Name	Title	Date

Section III (Completed by Public Water Systems Only)					Section IV (Completed by Certified Laboratories Only)					
Sample Date	Collector	Sample PT.ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14090 GLENEAGLE DR	8/7/2013	8/13/2013	D49016-1	Copper	E200.8	1.3	0.004	0.078
8/7/2013	MP	14090 GLENEAGLE DR	8/7/2013	8/13/2013	D49016-1	Lead	E200.8	0.015	0.001	BDL
Sample Date	Collector	Sample PT.ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14525 LATROBE DR	8/7/2013	8/13/2013	D49016-2	Copper	E200.8	1.3	0.004	0.074
8/7/2013	MP	14525 LATROBE DR	8/7/2013	8/13/2013	D49016-2	Lead	E200.8	0.015	0.001	BDL
Sample Date	Collector	Sample PT.ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14620 LATROBE DR	8/7/2013	8/13/2013	D49016-3	Copper	E200.8	1.3	0.004	0.21
8/7/2013	MP	14620 LATROBE DR	8/7/2013	8/13/2013	D49016-3	Lead	E200.8	0.015	0.001	0.0015
Sample Date	Collector	Sample PT.ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14680 LATROBE DR	8/7/2013	8/13/2013	D49016-4	Copper	E200.8	1.3	0.004	0.059
8/7/2013	MP	14680 LATROBE DR	8/7/2013	8/13/2013	D49016-4	Lead	E200.8	0.015	0.001	0.0012
Sample Date	Collector	Sample PT.ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14640 LATROBED DR	8/7/2013	8/13/2013	D49016-5	Copper	E200.8	1.3	0.004	0.081
8/7/2013	MP	14640 LATROBED DR	8/7/2013	8/13/2013	D49016-5	Lead	E200.8	0.015	0.001	BDL
Sample Date	Collector	Sample PT.ID / Address - Location	Lab Receipt Date	Lab Analysis Date	Lab Sample ID #	Analyte	Analytical Method	AL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/7/2013	MP	14510 BURMUDA DUNES WAY	8/7/2013	8/13/2013	D49016-6	Copper	E200.8	1.3	0.004	0.04
8/7/2013	MP	14510 BURMUDA DUNES WAY	8/7/2013	8/13/2013	D49016-6	Lead	E200.8	0.015	0.001	BDL

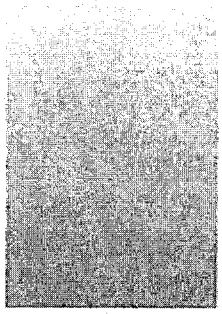
AL = Action Level

MONITORING OF NITRATE & NITRITE NITROGEN 2013 & 2014

e-Hardcopy 2.0
Automated Report

Mountain States
ACCUTEST
LABORATORIES

08/29/14



Technical Report for

Donala Water & Sanitation District

PWSID CO0121175 Donala W&S District

Accutest Job Number: D61080

COPY

Sampling Date: 08/18/14

Report to:

Donala Water & Sanitation District
15850 Holbein Drive
Colorado Springs, CO 80921
markp@donalawater.com

ATTN: Mark Parker

Per the COC, results were NOT sent to the CDPHE.

Total number of pages in report: **30**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Scott Heideman
Laboratory Director

Client Service contact: Renea Jackson 303-425-6021

Certifications: CO (CO00049), ID, NE (CO00049), ND (R-027), NJ (CO 0007), OK (D9942), UT (NELAP CO00049), TX (T104704511)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories. Test results relate only to samples analyzed.

Nitrate and Nitrite as Nitrogen Certified Laboratory Report Form

Revision: 6/4/13

NOX

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Section I (Completed by Public Water Systems only)		Section II (Completed by Certified Laboratories only)	
Public Water System Information		**Certified Laboratory Information**	
PWSID#: CO 0121175		Laboratory ID: CO00049	
System Name: Donala Water & Sanitation District		Laboratory Name: Accutest Mountain States	
Contact Person: Dana C. Duthie	Phone: 7194883603	Contact Person: Client Services	Phone: (303)425-6021
Comments:		Comments:	
		Scott Heideman Lab Director 8/29/2014	
System Authorized Signature Printed Name Title Date		Laboratory Authorized Signature Printed Name Title Date	

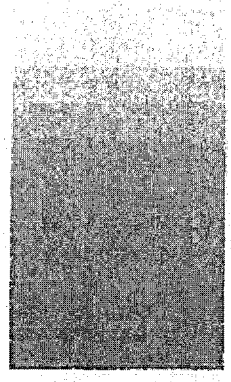
Section III (Completed by Public Water Systems Only)					Section IV (Completed by Certified Laboratories Only)							
Sample Date	Collector	Sample Pt ID OnSchedule	Facility ID OnSchedule	Confirmation	Date Lab Received	Date Lab Analyzed	Laboratory Sample ID	Analyte	Analytical Method	MCL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/18/2014	MP	EP 001	EP 001	☐	8/18/2014	8/19/2014	D61080-3	NITRATE-N	E300	10.0	0.01	0.074
8/18/2014	MP	EP 001	EP 001	☐			D61080-3	NITRITE-N	-	1.0	-	NT
Sample Date	Collector	Sample Pt ID OnSchedule	Facility ID OnSchedule	Confirmation	Date Lab Received	Date Lab Analyzed	Laboratory Sample ID	Analyte	Analytical Method	MCL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/18/2014	MP	EP 002	EP 002	☐	8/18/2014	8/19/2014	D61080-4	NITRATE-N	E300	10.0	0.01	BDL
8/18/2014	MP	EP 002	EP 002	☐			D61080-4	NITRITE-N	-	1.0	-	NT
Sample Date	Collector	Sample Pt ID OnSchedule	Facility ID OnSchedule	Confirmation	Date Lab Received	Date Lab Analyzed	Laboratory Sample ID	Analyte	Analytical Method	MCL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/18/2014	MP	EP 013T	EP 013T	☐	8/18/2014	8/19/2014	D61080-5	NITRATE-N	E300	10.0	0.01	BDL
8/18/2014	MP	EP 013T	EP 013T	☐			D61080-5	NITRITE-N	-	1.0	-	NT

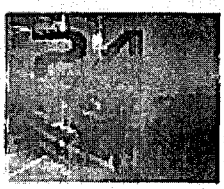
e-Hardcopy 2.0
Automated Report

Mountain States
ACCUTEST
LABORATORIES

08/30/13

COPY





Technical Report for

Donala Water & Sanitation District

PWSID CO0121175 Donala W&S District

Accutest Job Number: D49656

Sampling Date: 08/21/13

Report to:

Donala Water & Sanitation District
15850 Holbein Drive
Colorado Springs, CO 80921
markp@donalawater.com

ATTN: Mark Parker

Total number of pages in report: 42

Per the COC, results were NOT sent to CDPHE.

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Scott Heideman
Laboratory Director

Client Service contact: Renea Jackson 303-425-6021

Certifications: CO (CO00049), ID, NE (CO00049), ND (R-027), NJ (CO 0007), OK (D9942), UT (NELAP CO00049), TX (T104704511)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories. Test results relate only to samples analyzed.

Accutest Laboratories is the sole authority for authorizing edits or modifications to this document. Unauthorized modification of this report is strictly prohibited

Nitrate and Nitrite as Nitrogen Certified Laboratory Report Form

Revision: 6/4/13

NOX

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South, Denver, CO 80246-1530
Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

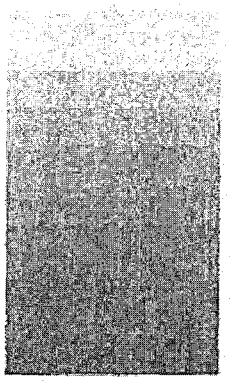
Section I (Completed by Public Water Systems only)				Section II (Completed by Certified Laboratories only)			
Public Water System Information				Certified Laboratory Information			
PWSID#: CO 0121175				Laboratory ID: CO00049			
System Name: Donala Water & Sanitation District				Laboratory Name: Accutest Mountain States			
Contact Person: Dana C. Duthie		Phone: 7194883603		Contact Person: Client Services		Phone: (303)425-6021	
Comments:				Comments:			
				Scott Heideman	Lab Director	8/30/2013	
System Authorized Signature	Printed Name	Title	Date	Laboratory Authorized Signature	Printed Name	Title	Date

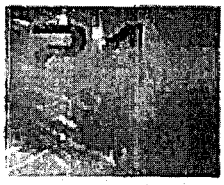
Section III (Completed by Public Water Systems Only)					Section IV (Completed by Certified Laboratories Only)							
Sample Date	Collector	Sample Pt ID OnSchedule	Facility ID OnSchedule	Confirmation	Date Lab Received	Date Lab Analyzed	Laboratory Sample ID	Analyte	Analytical Method	MCL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/21/2013	MP	EP 001		☐	8/21/2013	8/21/2013	D49656-3	NITRATE-N	E300	10.0	0.01	0.07
8/21/2013	MP	EP 001		☐			D49656-3	NITRITE-N	-	1.0	-	NT
Sample Date	Collector	Sample Pt ID OnSchedule	Facility ID OnSchedule	Confirmation	Date Lab Received	Date Lab Analyzed	Laboratory Sample ID	Analyte	Analytical Method	MCL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/21/2013	MP	EP 002		☐	8/21/2013	8/21/2013	D49656-4	NITRATE-N	E300	10.0	0.01	0.016
8/21/2013	MP	EP 002		☐			D49656-4	NITRITE-N	-	1.0	-	NT
Sample Date	Collector	Sample Pt ID OnSchedule	Facility ID OnSchedule	Confirmation	Date Lab Received	Date Lab Analyzed	Laboratory Sample ID	Analyte	Analytical Method	MCL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/21/2013	MP	EP 013T		☐	8/21/2013	8/21/2013	D49656-5	NITRATE-N	E300	10.0	0.01	BDL
8/21/2013	MP	EP 013T		☐			D49656-5	NITRITE-N	-	1.0	-	NT
Sample Date	Collector	Sample Pt ID OnSchedule	Facility ID OnSchedule	Confirmation	Date Lab Received	Date Lab Analyzed	Laboratory Sample ID	Analyte	Analytical Method	MCL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
8/21/2013	MP	EP 024		☐	8/21/2013	8/21/2013	D49656-6	NITRATE-N	E300	10.0	0.01	0.015
8/21/2013	MP	EP 024		☐			D49656-6	NITRITE-N	-	1.0	-	NT

e-Hardcopy 2.0
Automated Report

Mountain States ACCUTEST LABORATORIES

12/05/13





Technical Report for

Donala Water & Sanitation District

PWSID CO0121175 Donala W&S District

Accutest Job Number: D52763

Sampling Date: 11/20/13

Report to:

Donala Water & Sanitation District
15850 Holbein Drive
Colorado Springs, CO 80921
markp@donalawater.com

ATTN: Mark Parker

Total number of pages in report: 30

Per the COC, results were NOT sent to CDPHE.

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Scott Heideman
Laboratory Director

Client Service contact: Renea Jackson 303-425-6021

Certifications: CO (CO00049), ID, NE (CO00049), ND (R-027), NJ (CO 0007), OK (D9942), UT (NELAP CO00049), TX (T104704511)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories. Test results relate only to samples analyzed.

Nitrate and Nitrite as Nitrogen Certified Laboratory Report Form

Revision: 6/4/13

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

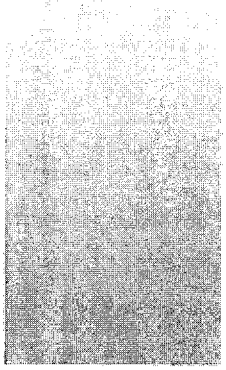
NOX

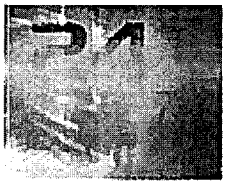
Section I (Completed by Public Water Systems only)		Section II (Completed by Certified Laboratories only)	
Public Water System Information		Certified Laboratory Information	
PWSID#: CO 0121175		Laboratory ID: CO00049	
System Name: Donala Water & Sanitation District		Laboratory Name: Accutest Mountain States	
Contact Person: Dana C. Duthie	Phone: 7194883603	Contact Person: Client Services	Phone: (303)425-6021
Comments:		Comments:	
		Scott Heideman Lab Director 12/5/2013	
System Authorized Signature Printed Name Title Date		Laboratory Authorized Signature Printed Name Title Date	

Section III (Completed by Public Water Systems Only)					Section IV (Completed by Certified Laboratories Only)							
Sample Date	Collector	Sample Pt ID OnSchedule	Facility ID OnSchedule	Confirmation	Date Lab Received	Date Lab Analyzed	Laboratory Sample ID	Analyte	Analytical Method	MCL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
11/20/2013	MP	CSU TIE IN		☐	11/20/2013	11/20/2013	D52763-1	NITRATE-N	E300	10.0	0.01	0.033
11/20/2013	MP	CSU TIE IN		☐	11/20/2013	11/20/2013	D52763-1	NITRITE-N	E300	1.0	0.004	BDL

Mountain States ACCUTEST LABORATORIES

12/07/13





Technical Report for

Donala Water & Sanitation District

PWSID CO0121175 Donala W&S District

Accutest Job Number: D52763

Sampling Date: 11/20/13

Report to:

Donala Water & Sanitation District
15850 Holbein Drive
Colorado Springs, CO 80921
markp@donalawater.com

ATTN: Mark Parker

Total number of pages in report: 31

Per the COC, results were NOT sent to the CDPHE.

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Scott Heideman
Laboratory Director

Client Service contact: Renea Jackson 303-425-6021

Certifications: CO (CO00049), ID, NE (CO00049), ND (R-027), NJ (CO 0007), OK (D9942), UT (NELAP CO00049), TX (T104704511)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories. Test results relate only to samples analyzed.

Nitrate and Nitrite as Nitrogen Certified Laboratory Report Form

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Revision: 6/4/13

NOX

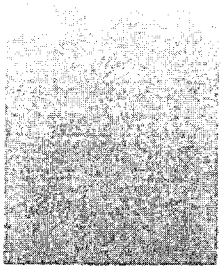
Section I (Completed by Public Water Systems only)		Section II (Completed by Certified Laboratories only)	
Public Water System Information		Certified Laboratory Information	
PWSID#: CO 0121175		Laboratory ID: CO00049	
System Name: Donala Water & Sanitation District		Laboratory Name: Accutest Mountain States	
Contact Person: Dana C. Duthie	Phone: 7194883603	Contact Person: Client Services	Phone: (303)425-6021
Comments:		Comments:	
		Scott Heideman	Lab Director	12/5/2013
System Authorized Signature Printed Name Title Date		Laboratory Authorized Signature Printed Name Title Date	

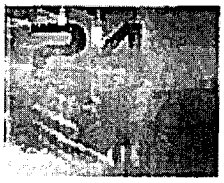
Section III (Completed by Public Water Systems Only)					Section IV (Completed by Certified Laboratories Only)							
Sample Date	Collector	Sample Pt ID OnSchedule	Facility ID OnSchedule	Confirmation	Date Lab Received	Date Lab Analyzed	Laboratory Sample ID	Analyte	Analytical Method	MCL (mg/L)	Lab MDL (mg/L)	Result (mg/L)
11/20/2013	MP	CSU TIE IN		☐	11/20/2013	11/20/2013	D52763-1	NITRATE-N	E300	10.0	0.01	0.033
11/20/2013	MP	CSU TIE IN		☐	11/20/2013	11/20/2013	D52763-1	NITRITE-N	E300	1.0	0.004	BDL

MONITORING OF VOLATILE ORGANIC CHEMICALS (VOCs), SYNTHETIC ORGANIC CHEMICALS (SOCs); REPORTED AS VOLATILE ORGANIC ANALYSES (VOAs) 2013 & 2014

Mountain States ACCUTEST LABORATORIES

03/11/14





Technical Report for

COPY

Donala Water & Sanitation District

PWSID CO0121175 Donala W&S District

Accutest Job Number: D55438

Sampling Date: 02/27/14

Report to:

Donala Water & Sanitation District
15850 Holbein Drive
Colorado Springs, CO 80921
markp@donalawater.com

ATTN: Mark Parker

Total number of pages in report: 20

Per the COC, results were NOT sent to CDPHE.

NELAP ACCREDITED LABORATORY TNI

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Scott Heideman
Laboratory Director

Client Service contact: Renea Jackson 303-425-6021

Certifications: CO (CO00049), ID, NE (CO00049), ND (R-027), NJ (CO 0007), OK (D9942), UT (NELAP CO00049), TX (T104704511)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories. Test results relate only to samples analyzed.

Accutest Laboratories

Report of Analysis

Client Sample ID:	WELL 013T 1 QTR		
Lab Sample ID:	D55438-1	Date Sampled:	02/27/14
Matrix:	DW - Drinking Water	Date Received:	02/27/14
Method:	EPA 524.2	Percent Solids:	n/a
Project:	PWSID CO0121175 Donala W&S District		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8V05468.D	1	02/28/14	EV	n/a	n/a	V8V251
Run #2							

	Purge Volume
Run #1	25.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	0.50	0.50	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.50	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.50	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.50	ug/l	
75-25-2	Bromoform	ND		0.50	0.50	ug/l	
74-83-9	Bromomethane	ND		0.50	0.50	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.50	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.50	ug/l	
75-00-3	Chloroethane	ND		0.50	0.50	ug/l	
67-66-3	Chloroform	ND		0.50	0.50	ug/l	
74-87-3	Chloromethane	ND		0.50	0.50	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.50	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.50	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.50	ug/l	
541-73-1	m-Dichlorobenzene	ND		0.50	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND		0.50	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	WELL 013T 1 QTR		
Lab Sample ID:	D55438-1	Date Sampled:	02/27/14
Matrix:	DW - Drinking Water	Date Received:	02/27/14
Method:	EPA 524.2	Percent Solids:	n/a
Project:	PWSID CO0121175 Donala W&S District		

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
542-75-6	1,3-Dichloropropene	ND		0.50	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.50	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.50	ug/l	
87-68-3	Hexachlorobutadiene	ND		0.50	0.50	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.50	ug/l	
91-20-3	Naphthalene	ND		0.50	0.50	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.50	ug/l	
100-42-5	Styrene	ND	100	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.50	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND		0.50	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.50	ug/l	
	m,p-Xylene	ND		0.50	0.50	ug/l	
95-47-6	o-Xylene	ND		0.50	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.50	ug/l	
	Total Trihalomethane	ND	80	0.50	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		70-130%
2199-69-1	1,2-Dichlorobenzene-d4	99%		70-130%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Organic Chemicals Certified Laboratory Report Form

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South, Denver, CO 80246-1530
Fax: (303) 758-1398 dphe.drinkingwaterlab@state.co.us

Revision 6/14/13

VOC / SOC

Section I (Completed by the Public Water Systems only)		Section II (Completed by Certified Laboratories only)	
Public Water System Information		Certified Laboratory Information	
PWSID#: CO 0121175		Laboratory ID: CO00049	
System Name: Donala Water & Sanitation District		Laboratory Name: Accutest Mountain States	
Contact Person: Dana C. Duthie	Phone: (719) 488-3603	Contact Person:	Phone: (303)425-6021
Comments:	Do Samples need to be composited BY THE LAB? ☐	Comments:	
		Scott Heideman	Lab Director 3/11/2014
		Laboratory Authorized Signature	Printed Name Title Date

Section III (Completed by Public Water Systems Only)			Section IV (Completed by Certified Laboratories Only)
Sample Date: 2/27/2014	Collector: MP	Facility ID: WELL 013T 1 QTR	Sample Pt ID:

Section IV Volatile Organic Chemicals (Completed by Certified Laboratory)

Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No	Analytical Method	MCL (ug/L)	Lab MDL (ug/L)	Result (ug/L)
2/27/2014	2/28/2014	D55438-1	1,1,1-Trichloroethane (2981)	71-55-6	E524.2	200	0.5	BDL
2/27/2014	2/28/2014	D55438-1	1,1,2-Trichloroethane (2985)	79-00-5	E524.2	5	0.5	BDL
2/27/2014	2/28/2014	D55438-1	1,1-Dichloroethylene (2977)	75-35-4	E524.2	7	0.5	BDL
2/27/2014	2/28/2014	D55438-1	1,2,4-Trichlorobenzene (2378)	120-82-1	E524.2	70	0.5	BDL
2/27/2014	2/28/2014	D55438-1	1,2-Dichloroethane (2980)	107-06-2	E524.2	5	0.5	BDL
2/27/2014	2/28/2014	D55438-1	1,2-Dichloropropane (2983)	78-87-5	E524.2	5	0.5	BDL
2/27/2014	2/28/2014	D55438-1	Benzene (2990)	71-43-2	E524.2	5	0.5	BDL
2/27/2014	2/28/2014	D55438-1	Carbon Tetrachloride (2982)	56-23-5	E524.2	5	0.5	BDL
2/27/2014	2/28/2014	D55438-1	Chlorobenzene (2989)	108-90-7	E524.2	100	0.5	BDL
2/27/2014	2/28/2014	D55438-1	cis-1,2-Dichloroethylene (2380)	156-59-2	E524.2	70	0.5	BDL
2/27/2014	2/28/2014	D55438-1	Dichloromethane (2964)	75-09-2	E524.2	5	0.5	BDL
2/27/2014	2/28/2014	D55438-1	Ethylbenzene (2992)	100-41-4	E524.2	700	0.5	BDL
2/27/2014	2/28/2014	D55438-1	o-Dichlorobenzene (2968)	95-50-1	E524.2	600	0.5	BDL
2/27/2014	2/28/2014	D55438-1	para-Dichlorobenzene (2969)	106-46-7	E524.2	75	0.5	BDL
2/27/2014	2/28/2014	D55438-1	Styrene (2996)	100-42-5	E524.2	100	0.5	BDL
2/27/2014	2/28/2014	D55438-1	Tetrachloroethylene (2987)	127-18-4	E524.2	5	0.5	BDL
2/27/2014	2/28/2014	D55438-1	Toluene (2991)	108-88-3	E524.2	1,000	0.5	BDL
2/27/2014	2/28/2014	D55438-1	trans-1,2-Dichloroethylene (2979)	156-60-5	E524.2	100	0.5	BDL
2/27/2014	2/28/2014	D55438-1	Trichloroethylene (2984)	79-01-6	E524.2	5	0.5	BDL
2/27/2014	2/28/2014	D55438-1	Vinyl chloride (2976)	75-01-4	E524.2	2	0.5	BDL
2/27/2014	2/28/2014	D55438-1	Xylenes - Total (2955)	1330-20-7	E524.2	10,000	0.5	BDL

Section V (Completed by Public Water System)		
PWSID#: CO 0121175	Facility ID: WELL 013T 1 QTR	Sample Pt ID (On Schedule):
Sample Date: 2/27/2014	Collector: MP	

ection VI Synthetic Organic Chemicals (Completed by Certified Laboratory)

Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No.	Analytical Method	MCL (ug/L)	Lab MDL (ug/L)	Result (ug/L)
2/27/2014		D55438-1	1,2-Dibromo-3-chloropropane	96-12-8	-	0.2	-	NT
2/27/2014		D55438-1	2,4-D (2105)	94-75-7	-	70	-	NT
2/27/2014		D55438-1	2,4,5-TP (2110)	93-72-1	-	50	-	NT
2/27/2014		D55438-1	Alachlor (2051)	15972-60-8	-	2	-	NT
2/27/2014		D55438-1	Aldicarb (2047)	116-06-3	-	N/A	-	NT
2/27/2014		D55438-1	Aldicarb sulfone (2044)	1646-88-4	-	N/A	-	NT
2/27/2014		D55438-1	Aldicarb sulfoxide (2043)	1646-87-3	-	N/A	-	NT
2/27/2014		D55438-1	Atrazine (2050)	1912-24-9	-	3	-	NT
2/27/2014		D55438-1	Benzo(a)pyrene (2306)	50-32-8	-	0.2	-	NT
2/27/2014		D55438-1	Carbofuran (2046)	1563-66-2	-	40	-	NT
2/27/2014		D55438-1	Chlordane (2959)	12789-03-6	-	2	-	NT
2/27/2014		D55438-1	Dalapon (2031)	75-99-0	-	200	-	NT
2/27/2014		D55438-1	Di(2-ethylhexyl)adipate (2035)	103-23-1	-	400	-	NT
2/27/2014		D55438-1	Di(2-ethylhexyl)phthalate (2039)	117-81-7	-	6	-	NT
2/27/2014		D55438-1	Dinoseb (2041)	88-85-7	-	7	-	NT
2/27/2014		D55438-1	Diquat (2032)	85-00-7	-	20	-	NT
2/27/2014		D55438-1	Endothall (2033)	145-73-3	-	100	-	NT
2/27/2014		D55438-1	Endrin (2005)	72-20-8	-	2	-	NT
2/27/2014		D55438-1	Ethylene Dibromide (2946)	106-93-4	-	0.05	-	NT
2/27/2014		D55438-1	Heptachlor (2065)	76-44-8	-	0.4	-	NT
2/27/2014		D55438-1	Heptachlor Epoxide (2067)	1024-57-3	-	0.2	-	NT
2/27/2014		D55438-1	Hexachlorobenzene (2274)	118-74-1	-	1	-	NT
2/27/2014		D55438-1	Hexachlorocyclopentadiene (2042)	77-47-4	-	50	-	NT
2/27/2014		D55438-1	Lindane/BHC-Gamma (2010)	58-89-9	-	0.2	-	NT
2/27/2014		D55438-1	Methoxychlor (2015)	72-43-5	-	40	-	NT
2/27/2014		D55438-1	Oxamyl (2036)	23135-22-0	-	200	-	NT
2/27/2014		D55438-1	Pentachlorophenol (2326)	87-86-5	-	1	-	NT
2/27/2014		D55438-1	Picloram (2040)	1918-02-1	-	500	-	NT
2/27/2014		D55438-1	Polychlorinated Biphenyls (2383)	1336-36-3	-	0.5	-	NT
2/27/2014		D55438-1	Simazine (2037)	122-34-9	-	4	-	NT
2/27/2014		D55438-1	Toxaphene (2020)	8001-35-2	-	3	-	NT

Colorado Department of Public Health and Environment - Water Quality Control Division
Safe Drinking Water Program - Compliance Assurance Monitoring and Enforcement
4300 Cherry Creek Drive South, Denver, CO 80246-1530

DBP FORM1 - Total Trihalomethane Analysis Laboratory Report Form

Section I (to be completed by the Public Water Systems only)	Section II (to be completed by Laboratories only)
Public Water System Information	**Laboratory Information**
PWSID#: CO 0121175	Laboratory Name: Accutest Mountain states
System Name: Donala Water & Sanitation District	Contact Person: Client Services — Phone: (303)425-6021
Address: 15850 Holbein Dr. Colorado Springs, CO 80921	Comments:
Contact Person: Dana C. Duthie — Phone: (719) 488-3603	Lab Director — 3/11/2014
	Laboratory Authorized Signature — Title — Date

Sample Date	Collector	State Sample Point ID	Sample Site Name or Address	Date Lab Received	Date Lab Analyzed	Laboratory ID	Analyte	Analytical Method	Lab MDL ug/L	ug/l Result
2/27/2014	MP	DBP001		2/27/2014	2/27/2014	D55438-2	Chloroform	524.2	0.5	1.9
2/27/2014	MP	DBP001		2/27/2014	2/27/2014	D55438-2	Bromoform	524.2	0.5	0.97
2/27/2014	MP	DBP001		2/27/2014	2/27/2014	D55438-2	Bromodichloromethane	524.2	0.5	2.5
2/27/2014	MP	DBP001		2/27/2014	2/27/2014	D55438-2	Dibromochloromethane	524.2	0.5	2.7
							TTHMs			8.1

Sample Date	Collector	State Sample Point ID	Sample Site Name or Address	Date Lab Received	Date Lab Analyzed	Laboratory ID	Analyte	Analytical Method	Lab MDL ug/L	ug/l Result
2/27/2014	MP	DBP002		2/27/2014	2/28/2014	D55438-3	Chloroform	524.2	0.5	18.6
2/27/2014	MP	DBP002		2/27/2014	2/28/2014	D55438-3	Bromoform	524.2	0.5	BDL
2/27/2014	MP	DBP002		2/27/2014	2/28/2014	D55438-3	Bromodichloromethane	524.2	0.5	5.4
2/27/2014	MP	DBP002		2/27/2014	2/28/2014	D55438-3	Dibromochloromethane	524.2	0.5	2.4
							TTHMs			26.4

Organic Chemicals Certified Laboratory Report Form

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Revision: 6/14/13

VOC / SOC

Section I (Completed by the Public Water Systems only)		Section II (Completed by Certified Laboratories only)	
Public Water System Information		**Certified Laboratory Information**	
PWSID#: CO 0121175		Laboratory ID: CO00049	
System Name: Donala Water & Sanitation District		Laboratory Name: Accutest Mountain States	
Contact Person: Dana C. Duthie	Phone: (719) 488-3603	Contact Person:	Phone: (303)425-6021
Comments:	Do Samples need to be composited BY THE LAB? ☐	Comments:	
		Scott Heideman	Lab Director	8/29/2014
		Laboratory Authorized Signature	Printed Name	Title	Date
Section III (Completed by Public Water Systems Only)		**Section IV (Completed by Certified Laboratories Only)**	

Sample Date: 8/18/2014 | Collector: MP | Facility ID: EP 001 | Sample Pt ID: EP 001

Section IV Volatile Organic Chemicals (Completed by Certified Laboratory)

Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No.	Analytical Method	MCL (ug/L)	Lab MDL (ug/L)	Result (ug/L)
8/18/2014	8/25/2014	D61080-3	1,1,1-Trichloroethane (2981)	71-55-6	E524.2	200	0.5	BDL
8/18/2014	8/25/2014	D61080-3	1,1,2-Trichloroethane (2985)	79-00-5	E524.2	5	0.5	BDL
8/18/2014	8/25/2014	D61080-3	1,1-Dichloroethylene (2977)	75-35-4	E524.2	7	0.5	BDL
8/18/2014	8/25/2014	D61080-3	1,2,4-Trichlorobenzene (2378)	120-82-1	E524.2	70	0.5	BDL
8/18/2014	8/25/2014	D61080-3	1,2-Dichloroethane (2980)	107-06-2	E524.2	5	0.5	BDL
8/18/2014	8/25/2014	D61080-3	1,2-Dichloropropane (2983)	78-87-5	E524.2	5	0.5	BDL
8/18/2014	8/25/2014	D61080-3	Benzene (2990)	71-43-2	E524.2	5	0.5	BDL
8/18/2014	8/25/2014	D61080-3	Carbon Tetrachloride (2982)	56-23-5	E524.2	5	0.5	BDL
8/18/2014	8/25/2014	D61080-3	Chlorobenzene (2989)	108-90-7	E524.2	100	0.5	BDL
8/18/2014	8/25/2014	D61080-3	cis-1,2-Dichloroethylene (2380)	156-59-2	E524.2	70	0.5	BDL
8/18/2014	8/25/2014	D61080-3	Dichloromethane (2964)	75-09-2	E524.2	5	0.5	BDL
8/18/2014	8/25/2014	D61080-3	Ethylbenzene (2992)	100-41-4	E524.2	700	0.5	BDL
8/18/2014	8/25/2014	D61080-3	o-Dichlorobenzene (2968)	95-50-1	E524.2	600	0.5	BDL
8/18/2014	8/25/2014	D61080-3	para-Dichlorobenzene (2969)	106-46-7	E524.2	75	0.5	BDL
8/18/2014	8/25/2014	D61080-3	Styrene (2996)	100-42-5	E524.2	100	0.5	BDL
8/18/2014	8/25/2014	D61080-3	Tetrachloroethylene (2987)	127-18-4	E524.2	5	0.5	BDL
8/18/2014	8/25/2014	D61080-3	Toluene (2991)	108-88-3	E524.2	1,000	0.5	BDL
8/18/2014	8/25/2014	D61080-3	trans-1,2-Dichloroethylene (2979)	156-60-5	E524.2	100	0.5	BDL
8/18/2014	8/25/2014	D61080-3	Trichloroethylene (2984)	79-01-6	E524.2	5	0.5	BDL
8/18/2014	8/25/2014	D61080-3	Vinyl chloride (2976)	75-01-4	E524.2	2	0.5	BDL
8/18/2014	8/25/2014	D61080-3	Xylenes - Total (2955)	1330-20-7	E524.2	10,000	0.5	BDL

Section V (Completed by Public Water System)		
PWSID#: CO 0121175	Facility ID: EP 001	Sample Pt ID (On Schedule): EP 001
Sample Date: 8/18/2014	Collector: MP	

Section VI Synthetic Organic Chemicals (Completed by Certified Laboratory)

Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No.	Analytical Method	MCL (ug/L)	Lab MDL (ug/L)	Result (ug/L)
8/18/2014		D61080-3	1,2-Dibromo-3-chloropropane	96-12-8	-	0.2	-	NT
8/18/2014		D61080-3	2,4-D (2105)	94-75-7	-	70	-	NT
8/18/2014		D61080-3	2,4,5-TP (2110)	93-72-1	-	50	-	NT
8/18/2014		D61080-3	Alachlor (2051)	15972-60-8	-	2	-	NT
8/18/2014		D61080-3	Aldicarb (2047)	116-06-3	-	N/A	-	NT
8/18/2014		D61080-3	Aldicarb sulfone (2044)	1646-88-4	-	N/A	-	NT
8/18/2014		D61080-3	Aldicarb sulfoxide (2043)	1646-87-3	-	N/A	-	NT
8/18/2014		D61080-3	Atrazine (2050)	1912-24-9	-	3	-	NT
8/18/2014		D61080-3	Benzo(a)pyrene (2306)	50-32-8	-	0.2	-	NT
8/18/2014		D61080-3	Carbofuran (2046)	1563-66-2	-	40	-	NT
8/18/2014		D61080-3	Chlordane (2959)	12789-03-6	-	2	-	NT
8/18/2014		D61080-3	Dalapon (2031)	75-99-0	-	200	-	NT
8/18/2014		D61080-3	Di(2-ethylhexyl)adipate (2035)	103-23-1	-	400	-	NT
8/18/2014		D61080-3	Di(2-ethylhexyl)phthalate (2039)	117-81-7	-	6	-	NT
8/18/2014		D61080-3	Dinoseb (2041)	88-85-7	-	7	-	NT
8/18/2014		D61080-3	Diquat (2032)	85-00-7	-	20	-	NT
8/18/2014		D61080-3	Endothall (2033)	145-73-3	-	100	-	NT
8/18/2014		D61080-3	Endrin (2005)	72-20-8	-	2	-	NT
8/18/2014		D61080-3	Ethylene Dibromide (2946)	106-93-4	-	0.05	-	NT
8/18/2014		D61080-3	Heptachlor (2065)	76-44-8	-	0.4	-	NT
8/18/2014		D61080-3	Heptachlor Epoxide (2067)	1024-57-3	-	0.2	-	NT
8/18/2014		D61080-3	Hexachlorobenzene (2274)	118-74-1	-	1	-	NT
8/18/2014		D61080-3	Hexachlorocyclopentadiene (2042)	77-47-4	-	50	-	NT
8/18/2014		D61080-3	Lindane/BHC-Gamma (2010)	58-89-9	-	0.2	-	NT
8/18/2014		D61080-3	Methoxychlor (2015)	72-43-5	-	40	-	NT
8/18/2014		D61080-3	Oxamyl (2036)	23135-22-0	-	200	-	NT
8/18/2014		D61080-3	Pentachlorophenol (2326)	87-86-5	-	1	-	NT
8/18/2014		D61080-3	Picloram (2040)	1918-02-1	-	500	-	NT
8/18/2014		D61080-3	Polychlorinated Biphenyls (2383)	1336-36-3	-	0.5	-	NT
8/18/2014		D61080-3	Simazine (2037)	122-34-9	-	4	-	NT
8/18/2014		D61080-3	Toxaphene (2020)	8001-35-2	-	3	-	NT

Organic Chemicals Certified Laboratory Report Form

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Revision: 6/14/13

VOC / SOC

Section I (Completed by the Public Water Systems only)		Section II (Completed by Certified Laboratories only)	
Public Water System Information		**Certified Laboratory Information**	
PWSID#: CO 0121175		Laboratory ID: CO00049	
System Name: Donala Water & Sanitation District		Laboratory Name: Accutest Mountain States	
Contact Person: Dana C. Duthie	Phone: (719) 488-3603	Contact Person:	Phone: (303)425-6021
Comments:	Do Samples need to be composited BY THE LAB? ☐	Comments:	
		Laboratory Authorized Signature	Scott Heideman / Lab Director / 8/29/2014 (Printed Name / Title / Date)
Section III (Completed by Public Water Systems Only)		**Section IV (Completed by Certified Laboratories Only)**	

Sample Date: 8/18/2014 | Collector: MP | Facility ID:EP 002 | Sample Pt ID: EP 002

Section IV Volatile Organic Chemicals (Completed by Certified Laboratory)

Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No.	Analytical Method	MCL (ug/L)	Lab MDL (ug/L)	Result (ug/L)
8/18/2014	8/25/2014	D61080-4	1,1,1-Trichloroethane (2981)	71-55-6	E524.2	200	0.5	BDL
8/18/2014	8/25/2014	D61080-4	1,1,2-Trichloroethane (2985)	79-00-5	E524.2	5	0.5	BDL
8/18/2014	8/25/2014	D61080-4	1,1-Dichloroethylene (2977)	75-35-4	E524.2	7	0.5	BDL
8/18/2014	8/25/2014	D61080-4	1,2,4-Trichlorobenzene (2378)	120-82-1	E524.2	70	0.5	BDL
8/18/2014	8/25/2014	D61080-4	1,2-Dichloroethane (2980)	107-06-2	E524.2	5	0.5	BDL
8/18/2014	8/25/2014	D61080-4	1,2-Dichloropropane (2983)	78-87-5	E524.2	5	0.5	BDL
8/18/2014	8/25/2014	D61080-4	Benzene (2990)	71-43-2	E524.2	5	0.5	BDL
8/18/2014	8/25/2014	D61080-4	Carbon Tetrachloride (2982)	56-23-5	E524.2	5	0.5	BDL
8/18/2014	8/25/2014	D61080-4	Chlorobenzene (2989)	108-90-7	E524.2	100	0.5	BDL
8/18/2014	8/25/2014	D61080-4	cis-1,2-Dichloroethylene (2380)	156-59-2	E524.2	70	0.5	BDL
8/18/2014	8/25/2014	D61080-4	Dichloromethane (2964)	75-09-2	E524.2	5	0.5	BDL
8/18/2014	8/25/2014	D61080-4	Ethylbenzene (2992)	100-41-4	E524.2	700	0.5	BDL
8/18/2014	8/25/2014	D61080-4	o-Dichlorobenzene (2968)	95-50-1	E524.2	600	0.5	BDL
8/18/2014	8/25/2014	D61080-4	para-Dichlorobenzene (2969)	106-46-7	E524.2	75	0.5	BDL
8/18/2014	8/25/2014	D61080-4	Styrene (2996)	100-42-5	E524.2	100	0.5	BDL
8/18/2014	8/25/2014	D61080-4	Tetrachloroethylene (2987)	127-18-4	E524.2	5	0.5	BDL
8/18/2014	8/25/2014	D61080-4	Toluene (2991)	108-88-3	E524.2	1,000	0.5	BDL
8/18/2014	8/25/2014	D61080-4	trans-1,2-Dichloroethylene (2979)	156-60-5	E524.2	100	0.5	BDL
8/18/2014	8/25/2014	D61080-4	Trichloroethylene (2984)	79-01-6	E524.2	5	0.5	BDL
8/18/2014	8/25/2014	D61080-4	Vinyl chloride (2976)	75-01-4	E524.2	2	0.5	BDL
8/18/2014	8/25/2014	D61080-4	Xylenes - Total (2955)	1330-20-7	E524.2	10,000	0.5	BDL

Section V (Completed by Public Water System)		
PWSID#: CO 0121175	Facility ID: EP 002	Sample Pt ID (On Schedule): EP 002
Sample Date: 8/18/2014	Collector: MP	

Section VI Synthetic Organic Chemicals (Completed by Certified Laboratory)

Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No.	Analytical Method	MCL (ug/L)	Lab MDL (ug/L)	Result (ug/L)
8/18/2014		D61080-4	1,2-Dibromo-3-chloropropane	96-12-8	-	0.2	-	NT
8/18/2014		D61080-4	2,4-D (2105)	94-75-7	-	70	-	NT
8/18/2014		D61080-4	2,4,5-TP (2110)	93-72-1	-	50	-	NT
8/18/2014		D61080-4	Alachlor (2051)	15972-60-8	-	2	-	NT
8/18/2014		D61080-4	Aldicarb (2047)	116-06-3	-	N/A	-	NT
8/18/2014		D61080-4	Aldicarb sulfone (2044)	1646-88-4	-	N/A	-	NT
8/18/2014		D61080-4	Aldicarb sulfoxide (2043)	1646-87-3	-	N/A	-	NT
8/18/2014		D61080-4	Atrazine (2050)	1912-24-9	-	3	-	NT
8/18/2014		D61080-4	Benzo(a)pyrene (2306)	50-32-8	-	0.2	-	NT
8/18/2014		D61080-4	Carbofuran (2046)	1563-66-2	-	40	-	NT
8/18/2014		D61080-4	Chlordane (2959)	12789-03-6	-	2	-	NT
8/18/2014		D61080-4	Dalapon (2031)	75-99-0	-	200	-	NT
8/18/2014		D61080-4	Di(2-ethylhexyl)adipate (2035)	103-23-1	-	400	-	NT
8/18/2014		D61080-4	Di(2-ethylhexyl)phthalate (2039)	117-81-7	-	6	-	NT
8/18/2014		D61080-4	Dinoseb (2041)	88-85-7	-	7	-	NT
8/18/2014		D61080-4	Diquat (2032)	85-00-7	-	20	-	NT
8/18/2014		D61080-4	Endothall (2033)	145-73-3	-	100	-	NT
8/18/2014		D61080-4	Endrin (2005)	72-20-8	-	2	-	NT
8/18/2014		D61080-4	Ethylene Dibromide (2946)	106-93-4	-	0.05	-	NT
8/18/2014		D61080-4	Heptachlor (2065)	76-44-8	-	0.4	-	NT
8/18/2014		D61080-4	Heptachlor Epoxide (2067)	1024-57-3	-	0.2	-	NT
8/18/2014		D61080-4	Hexachlorobenzene (2274)	118-74-1	-	1	-	NT
8/18/2014		D61080-4	Hexachlorocyclopentadiene (2042)	77-47-4	-	50	-	NT
8/18/2014		D61080-4	Lindane/BHC-Gamma (2010)	58-89-9	-	0.2	-	NT
8/18/2014		D61080-4	Methoxychlor (2015)	72-43-5	-	40	-	NT
8/18/2014		D61080-4	Oxamyl (2036)	23135-22-0	-	200	-	NT
8/18/2014		D61080-4	Pentachlorophenol (2326)	87-86-5	-	1	-	NT
8/18/2014		D61080-4	Picloram (2040)	1918-02-1	-	500	-	NT
8/18/2014		D61080-4	Polychlorinated Biphenyls (2383)	1336-36-3	-	0.5	-	NT
8/18/2014		D61080-4	Simazine (2037)	122-34-9	-	4	-	NT
8/18/2014		D61080-4	Toxaphene (2020)	8001-35-2	-	3	-	NT

ACCUTEST LABORATORIES
D61080

Accutest Laboratories

Report of Analysis

Client Sample ID:	EP 001		
Lab Sample ID:	D61080-3	Date Sampled:	08/18/14
Matrix:	DW - Drinking Water	Date Received:	08/18/14
Method:	EPA 524.2	Percent Solids:	n/a
Project:	PWSID CO0121175 Donala W&S District		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8V07768.D	1	08/25/14	BR	n/a	n/a	V8V366
Run #2							

	Purge Volume
Run #1	25.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	0.50	0.50	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.50	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.50	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	0.50	ug/l	
75-25-2	Bromoform	ND		0.50	0.50	ug/l	
74-83-9	Bromomethane	ND		0.50	0.50	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.50	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.50	ug/l	
75-00-3	Chloroethane	ND		0.50	0.50	ug/l	
67-66-3	Chloroform	ND		0.50	0.50	ug/l	
74-87-3	Chloromethane	ND		0.50	0.50	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.50	ug/l	
124-48-1	Dibromochloromethane	ND		0.50	0.50	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.50	ug/l	
541-73-1	m-Dichlorobenzene	ND		0.50	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND		0.50	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.50	ug/l	

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	EP 001		
Lab Sample ID:	D61080-3	Date Sampled:	08/18/14
Matrix:	DW - Drinking Water	Date Received:	08/18/14
Method:	EPA 524.2	Percent Solids:	n/a
Project:	PWSID CO0121175 Donala W&S District		

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
542-75-6	1,3-Dichloropropene	ND		0.50	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.50	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.50	ug/l	
87-68-3	Hexachlorobutadiene	ND		0.50	0.50	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.50	ug/l	
91-20-3	Naphthalene	ND		0.50	0.50	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.50	ug/l	
100-42-5	Styrene	ND	100	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.50	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND		0.50	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.50	ug/l	
	m,p-Xylene	ND		0.50	0.50	ug/l	
95-47-6	o-Xylene	ND		0.50	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.50	ug/l	
	Total Trihalomethane	ND	80	0.50	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		70-130%
2199-69-1	1,2-Dichlorobenzene-d4	95%		70-130%

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	EP 002		
Lab Sample ID:	D61080-4	Date Sampled:	08/18/14
Matrix:	DW - Drinking Water	Date Received:	08/18/14
Method:	EPA 524.2	Percent Solids:	n/a
Project:	PWSID CO0121175 Donala W&S District		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8V07769.D	1	08/25/14	BR	n/a	n/a	V8V366
Run #2 [a]	8V07714.D	1	08/22/14	BR	n/a	n/a	V8V364

	Purge Volume
Run #1	25.0 ml
Run #2	25.0 ml

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	0.50	0.50	ug/l	
108-86-1	Bromobenzene	ND		0.50	0.50	ug/l	
74-97-5	Bromochloromethane	ND		0.50	0.50	ug/l	
75-27-4	Bromodichloromethane	0.59		0.50	0.50	ug/l	
75-25-2	Bromoform	ND		0.50	0.50	ug/l	
74-83-9	Bromomethane	ND		0.50	0.50	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	0.50	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	0.50	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.50	ug/l	
108-90-7	Chlorobenzene	ND	100	0.50	0.50	ug/l	
75-00-3	Chloroethane	ND		0.50	0.50	ug/l	
67-66-3	Chloroform	ND		0.50	0.50	ug/l	
74-87-3	Chloromethane	ND		0.50	0.50	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	0.50	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	0.50	ug/l	
124-48-1	Dibromochloromethane	0.62		0.50	0.50	ug/l	
74-95-3	Dibromomethane	ND		0.50	0.50	ug/l	
541-73-1	m-Dichlorobenzene	ND		0.50	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND		0.50	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND		0.50	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.50	ug/l	

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.4

Client Sample ID:	EP 002		
Lab Sample ID:	D61080-4	Date Sampled:	08/18/14
Matrix:	DW - Drinking Water	Date Received:	08/18/14
Method:	EPA 524.2	Percent Solids:	n/a
Project:	PWSID CO0121175 Donala W&S District		

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
542-75-6	1,3-Dichloropropene	ND		0.50	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.50	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.50	ug/l	
87-68-3	Hexachlorobutadiene	ND		0.50	0.50	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.50	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.50	ug/l	
91-20-3	Naphthalene	ND		0.50	0.50	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.50	ug/l	
100-42-5	Styrene	ND	100	0.50	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.50	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND		0.50	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.50	ug/l	
	m,p-Xylene	ND		0.50	0.50	ug/l	
95-47-6	o-Xylene	ND		0.50	0.50	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.50	ug/l	
	Total Trihalomethane	1.2	80	0.50	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%	84%	70-130%
2199-69-1	1,2-Dichlorobenzene-d4	94%	86%	70-130%

(a) Sample reanalyzed to confirm positive target analyte result. The associated trip blank was not analyzed due to it being expired.

ND = Not detected MDL = Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 141)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Colorado Department of Public Health and Environment

Colorado Department of Public Health and Environment
Compliance Assurance & Data Management Unit

REPORTING FORM FOR ORGANIC CONTAMINANT ANALYSES

SAMPLER: FILL OUT ONE FORM FOR EACH SAMPLE

Are these results to be used to fulfill compliance montioring requirements? YES [X] or NO [ ]

Is this a check or confirmation sample? YES [ ] or NO [X]

PWSID: CO 0121175 **COUNTY** El Paso **DATE COLLECTED** 2/20/2013

SYSTEM NAME Donala Water & Sanitation District

SYSTEM MAILING ADDRES 15850 Holbein Dr. | Colorado Springs | CO | 80921

Street Address / PO Box | City: | State: | Zip:

Contact Person: Dana C. Duthie **Phone:** 7194883603

Sample Collected By: MP **Time Collected:** 9:15:00 AM

Entry Point (Finished Water) Sample [ ] **Source water Sample** [X]

For Entry Point Sample Please Indicat Chlorinate [ ] **Other Treatment** [ ]

'inished - Not Treated (No chlorine or other treatment) [ ]

State Entry Point Code: EP 013T **Source(s) Represented:** Well 13D

DO SAMPLES NEED TO BE COMPOSITED BY THE LABORATORY? Yes [ ] No [X]

NOTE: CHECK OR CONFIRMATION SAMPLES CANNOT BE COMPOSITED

For Laboratory Use Only Below this line

Laboratory Sample #: D43627-3 **Client Name or ID:** EP 013T (VOC)

Laboratory Name: Accutest Mountain States **Laboratory Phone:** (303)425-6021

Date Received in Lab: 2/20/2013 **Date Analyzed:** 2/21/2013 thru 2/21/2013

Comments:

LABORATORY NUMBER: D43627-3 PWSID CO 0121175

REGULATED PHASE I, II, V ORGANIC CHEMICALS - VOCs

UNITS MUST BE REPORTED IN ug/L

CONTAMINANT	CAS#	RESULT ug/L	MCL ug/L	STANDARD METHOD	Lab Report Limit µg/L	Lab MDL µg/L	BLANK RESULT
1,1-Dichloroethylene	75-35-4	BDL	7	E524.2	0.5	0.5	BDL
1,1,1-Trichloroethane	71-55-6	BDL	200	E524.2	0.5	0.5	BDL
1,1,2-Trichloroethane	79-00-5	BDL	5	E524.2	0.5	0.5	BDL
1,2-Dichloroethane	107-06-2	BDL	5	E524.2	0.5	0.5	BDL
1,2-Dichloropropane	78-87-5	BDL	5	E524.2	0.5	0.5	BDL
1,2,4-Trichlorobenzene	120-82-1	BDL	70	E524.2	0.5	0.5	BDL
Benzene	71-43-2	BDL	5	E524.2	0.5	0.5	BDL
Carbon Tetrachloride	56-23-5	BDL	5	E524.2	0.5	0.5	BDL
cis-1,2-Dichloroethylene	156-59-2	BDL	70	E524.2	0.5	0.5	BDL
Dichloromethane	75-09-2	BDL	5	E524.2	0.5	0.5	BDL
Ethylbenzene	100-41-4	BDL	700	E524.2	0.5	0.5	BDL
Monochlorobenzene	108-90-7	BDL	100	E524.2	0.5	0.5	BDL
o-Dichlorobenzene	95-50-1	BDL	600	E524.2	0.5	0.5	BDL
para-Dichlorobenzene	106-46-7	BDL	75	E524.2	0.5	0.5	BDL
Styrene	100-42-5	BDL	100	E524.2	0.5	0.5	BDL
Tetrachloroethylene	127-18-4	BDL	5	E524.2	0.5	0.5	BDL
Toluene	108-88-3	BDL	1,000	E524.2	0.5	0.5	BDL
trans-1,2-Dichloroethylene	156-60-5	BDL	100	E524.2	0.5	0.5	BDL
Trichloroethylene	79-01-6	BDL	5	E524.2	0.5	0.5	BDL
Vinyl chloride	75-01-4	BDL	2	E524.2	0.5	0.5	BDL
Xylenes (total)	1330-20-7	BDL	10,000	E524.2	0.5	0.5	BDL

BDL = Indicates that the compound was analyzed for, but was below the Lab MDL.
NT = Not Tested for Compound.
µg/L = Micrograms per Liter.
J = Indicates the presence of a compound that meets the identification criteria, but the result is less than the sample quantitation limit and greater than the Lab MDL. (Above the Lab MDL but below the PQL).

B = The analyte is found in the associated blank as well as in the sample.
MCL = Maximum Contaminant Level.
Lab MDL = Laboratory Method Detection Limit.

4.3

LABORATORY NUMBER: D43627-3 PWSID CO 0121175

UNREGULATED ORGANIC CHEMICALS - VOCs
UNITS MUST BE REPORTED IN ug/L

CONTAMINANT	CAS#	RESULT ug/L	MCL ug/L	STANDARD METHOD	Lab Report Limit µg/L	Lab MDL µg/L	BLANK RESULT
1,1-Dichloroethane	75-34-3	BDL	-	E524.2	0.5	0.5	BDL
1,1-Dichloropropene	563-58-6	BDL	-	E524.2	0.5	0.5	BDL
1,1,1,2-Tetrachloroethane	630-20-6	BDL	-	E524.2	0.5	0.5	BDL
1,1,2,2-Tetrachloroethane	79-34-5	BDL	-	E524.2	0.5	0.5	BDL
1,2,3-Trichlorobenzene	87-61-6	BDL	-	E524.2	0.5	0.5	BDL
1,2,3-Trichloropropane	96-18-4	BDL	-	E524.2	0.5	0.5	BDL
1,2,4-Trimethylbenzene	95-63-6	BDL	-	E524.2	0.5	0.5	BDL
1,3,5-Trimethylbenzene	108-67-8	BDL	-	E524.2	0.5	0.5	BDL
1,3-Dichloropropane	142-28-9	BDL	-	E524.2	0.5	0.5	BDL
2,2-Dichloropropane	594-20-7	BDL	-	E524.2	0.5	0.5	BDL
1,3-Dichloropropene	542-75-6	BDL	-	E524.2	0.5	0.5	BDL
Bromobenzene	108-86-1	BDL	-	E524.2	0.5	0.5	BDL
Bromochloromethane	74-97-5	BDL	-	E524.2	0.5	0.5	BDL
Bromomethane	74-83-9	BDL	-	E524.2	0.5	0.5	BDL
Chloroethane	75-00-3	BDL	-	E524.2	0.5	0.5	BDL
Chloromethane	74-87-3	BDL	-	E524.2	0.5	0.5	BDL
Dibromomethane	74-95-3	BDL	-	E524.2	0.5	0.5	BDL
Dichlorodifluoromethane	75-71-8	BDL	-	E524.2	0.5	0.5	BDL
Fluorotrichloromethane	75-69-4	BDL	-	E524.2	0.5	0.5	BDL
Hexachlorobutadiene	87-68-3	BDL	-	E524.2	0.5	0.5	BDL
Isopropylbenzene	98-82-8	BDL	-	E524.2	0.5	0.5	BDL
m-Dichlorobenzene	541-73-1	BDL	-	E524.2	0.5	0.5	BDL
Naphthalene	91-20-3	BDL	-	E524.2	0.5	0.5	BDL
n-Butylbenzene	104-51-8	BDL	-	E524.2	0.5	0.5	BDL
n-Propylbenzene	103-65-1	BDL	-	E524.2	0.5	0.5	BDL
o-Chlorotoluene	95-49-8	BDL	-	E524.2	0.5	0.5	BDL
p-Chlorotoluene	106-43-4	BDL	-	E524.2	0.5	0.5	BDL
p-Isopropyltoluene	99-87-6	BDL	-	E524.2	0.5	0.5	BDL
sec-Butylbenzene	135-98-8	BDL	-	E524.2	0.5	0.5	BDL
tert-Butylbenzene	98-06-6	BDL	-	E524.2	0.5	0.5	BDL
THMs						-	
Bromodichloromethane	75-27-4	BDL	-	E524.2	0.5	0.5	BDL
Bromoform	75-25-2	BDL	-	E524.2	0.5	0.5	BDL
Chlorodibromomethane	124-48-1	BDL	-	E524.2	0.5	0.5	BDL
Chloroform	67-66-3	1	-	E524.2	0.5	0.5	BDL

BDL = Indicates that the compound was analyzed for, but was below the Lab MDL.
NT = Not Tested for Compound.
µg/L = Micrograms per Liter.
J = Indicates the presence of a compound that meets the identification criteria, but the result is less than the sample quantitation limit and greater than the Lab MDL. (Above the Lab MDL, but below the PQL).

B = The analyte is found in the associated blank as well as in the sample.
MCL = Maximum Contaminant Level.
Lab MDL = Laboratory Method Detection Limit

LABORATORY NUMBER: D43627-3 PWSID CO 0121175

REGULATED PHASE I, II, V ORGANIC CHEMICALS - SOCs

UNITS MUST BE REPORTED IN ug/L

CONTAMINANT	CAS#	RESULT ug/L	MCL ug/L	STANDARD METHOD	Lab Report Limit µg/L	Lab MDL µg/L	BLANK RESULT
Dioxin	1746-01-6	NT	0.00003	-		-	NT
2,4-D	94-75-7	NT	70	-		-	NT
2,4,5-TP	93-72-1	NT	50	-		-	NT
Alachlor	15972-60-8	NT	2	-		-	NT
Atrazine	1912-24-9	NT	3	-		-	NT
Benzo(a)pyrene	50-32-8	NT	0.2	-		-	NT
Carbofuran	1563-66-2	NT	40	-		-	NT
Chlordane	12789-03-6	NT	2	-		-	NT
Dalapon	75-99-0	NT	200	-		-	NT
Dibromochloropropane	96-12-8	NT	0.2	-		-	NT
Dinoseb	88-85-7	NT	7	-		-	NT
Diquat	85-00-7	NT	20	-		-	NT
Di(2-ethylhexyl)adipate	103-23-1	NT	400	-		-	NT
Di(2-ethylhexyl)phthalate	117-81-7	NT	6	-		-	NT
Endothall	145-73-3	NT	100	-		-	NT
Endrin	72-20-8	NT	2	-		-	NT
Ethylene Dibromide	106-93-4	NT	0.05	-		-	NT
Glyphosate	1071-83-6	NT	700	-		-	NT
Heptachlor	76-44-8	NT	0.4	-		-	NT
Heptachlor Epoxide	1024-57-3	NT	0.2	-		-	NT
Hexachlorobenzene	118-74-1	NT	1	-		-	NT
Hexachlorocyclopentadiene	77-47-4	NT	50	-		-	NT
Lindane	58-89-9	NT	0.2	-		-	NT
Methoxychlor	72-43-5	NT	40	-		-	NT
Oxamyl	23135-22-0	NT	200	-		-	NT
Pentachlorophenol	87-86-5	NT	1	-		-	NT
Picloram	1918-02-1	NT	500	-		-	NT
Polychlorinated Biphenyls	1336-36-3	NT	0.5	-		-	NT
Simazine	122-34-9	NT	4	-		-	NT
Toxaphene	8001-35-2	NT	3	-		-	NT

BDL = Indicates that the compound was analyzed for, but was below the Lab MDL.
NT = Not Tested for Compound.
µg/L = Micrograms per Liter.
J = Indicates the presence of a compound that meets the identification criteria, but the result is less than the sample quantitation limit and greater than the Lab MDL. (Above the Lab MDL, but below the PQL).
B = The analyte is found in the associated blank as well as in the sample.
MCL = Maximum Contaminant Level.
Lab MDL = Laboratory Method Detection Limit

LABORATORY NUMBER: D43627-3 PWSID CO 0121175

UNREGULATED ORGANIC CHEMICALS - SOCs

UNITS MUST BE REPORTED IN ug/L

CONTAMINANT	CAS#	RESULT ug/L	MCL ug/L	STANDARD METHOD	Lab Report Limit µg/L	Lab MDL µg/L	BLANK RESULT
Aldrin	309-00-2	NT	-	-		-	NT
Propachlor	1918-16-7	NT	-	-		-	NT
Metribuzin	21087-64-9	NT	-	-		-	NT
Metolachlor	51218-45-2	NT	-	-		-	NT
3-Hydroxycarbofuran	16655-82-6	NT	-	-		-	NT
Aldicarb	116-06-3	NT	-	-		-	NT
Aldicarb sulfoxide	1646-87-3	NT	-	-		-	NT
Methomyl	16752-77-5	NT	-	-		-	NT
Butachlor	23184-66-9	NT	-	-		-	NT
Carbaryl	63-25-2	NT	-	-		-	NT
Dicamba	1918-00-9	NT	-	-		-	NT
Dieldrin	60-57-1	NT	-	-		-	NT
Aldicarb sulfone	1646-88-4	NT	-	-		-	NT

BDL = Indicates that the compound was analyzed for, but was below the Lab MDL.
NT = Not Tested for Compound.
µg/L = Micrograms per Liter.
J = Indicates the presence of a compound that meets the identification criteria, but the result is less than the sample quantitation limit and greater than the Lab MDL. (Above the Lab MDL, but below the PQL).
B = The analyte is found in the associated blank as well as in the sample.
MCL = Maximum Contaminant Level.
Lab MDL = Laboratory Method Detection Limit.

Lab director 3/1/2013

Laboratory Results Reviewed & Approved by | Title | Date

MAIL RESULTS TO: CDPHE, WQCD-CADM
4300 Cherry Creek Drive South
Denver, CO 80246-1530

FAX: 303-758-1398

4.3 4

Colorado Department of Public Health and Environment

Colorado Department of Public Health and Environment
Compliance Assurance & Data Management Unit
REPORTING FORM FOR ORGANIC CONTAMINANT ANALYSES

SAMPLER: FILL OUT ONE FORM FOR EACH SAMPLE

Are these results to be used to fulfill compliance montioring requirements? YES [ ] or NO [X]

Is this a check or confirmation sample? YES [ ] or NO [X]

PWSID: CO 0121175 COUNTY El Paso DATE COLLECTED 5/15/2013

SYSTEM NAME Donala Water & Sanitation District

SYSTEM MAILING ADDRES 15850 Holbein Dr. | Colorado Springs | CO | 80921

Street Address / PO Box | City: | State: | Zip:

Contact Person: Dana C. Duthie Phone: 7194883603

Sample Collected By: MP Time Collected: 10:30:00 AM

Entry Point (Finished Water) Sample [ ] Source water Sample [ ]

For Entry Point Sample Please Indicat Chlorinate [ ] Other Treatment [ ]

'inished - Not Treated (No chlorine or other treatment) [ ]

State Entry Point Code: EP 013T Source(s) Represented: Well 13D

DO SAMPLES NEED TO BE COMPOSITED BY THE LABORATORY? Yes [ ] No [X]

NOTE: CHECK OR CONFIRMATION SAMPLES CANNOT BE COMPOSITED

For Laboratory Use Only Below this line

Laboratory Sample #: D46266-3 Client Name or ID: EP 013T

Laboratory Name: Accutest Mountain States Laboratory Phone: (303)425-6021

Date Received in Lab: 5/15/2013 Date Analyzed: 5/17/2013 thru 5/17/2013

Comments:

ACCUTEST LABORATORIES D46266

LABORATORY NUMBER: D46266-3 PWSID CO 0121175

REGULATED PHASE I, II, V ORGANIC CHEMICALS - VOCs

UNITS MUST BE REPORTED IN ug/L

CONTAMINANT	CAS#	RESULT ug/L	MCL ug/L	STANDARD METHOD	Lab Report Limit µg/L	Lab MDL µg/L	BLANK RESULT
1,1-Dichloroethylene	75-35-4	BDL	7	E524.2	0.5	0.5	BDL
1,1,1-Trichloroethane	71-55-6	BDL	200	E524.2	0.5	0.5	BDL
1,1,2-Trichloroethane	79-00-5	BDL	5	E524.2	0.5	0.5	BDL
1,2-Dichloroethane	107-06-2	BDL	5	E524.2	0.5	0.5	BDL
1,2-Dichloropropane	78-87-5	BDL	5	E524.2	0.5	0.5	BDL
1,2,4-Trichlorobenzene	120-82-1	BDL	70	E524.2	0.5	0.5	BDL
Benzene	71-43-2	BDL	5	E524.2	0.5	0.5	BDL
Carbon Tetrachloride	56-23-5	BDL	5	E524.2	0.5	0.5	BDL
cis-1,2-Dichloroethylene	156-59-2	BDL	70	E524.2	0.5	0.5	BDL
Dichloromethane	75-09-2	BDL	5	E524.2	0.5	0.5	BDL
Ethylbenzene	100-41-4	BDL	700	E524.2	0.5	0.5	BDL
Monochlorobenzene	108-90-7	BDL	100	E524.2	0.5	0.5	BDL
o-Dichlorobenzene	95-50-1	BDL	600	E524.2	0.5	0.5	BDL
para-Dichlorobenzene	106-46-7	BDL	75	E524.2	0.5	0.5	BDL
Styrene	100-42-5	BDL	100	E524.2	0.5	0.5	BDL
Tetrachloroethylene	127-18-4	BDL	5	E524.2	0.5	0.5	BDL
Toluene	108-88-3	BDL	1,000	E524.2	0.5	0.5	BDL
trans-1,2-Dichloroethylene	156-60-5	BDL	100	E524.2	0.5	0.5	BDL
Trichloroethylene	79-01-6	BDL	5	E524.2	0.5	0.5	BDL
Vinyl chloride	75-01-4	BDL	2	E524.2	0.5	0.5	BDL
Xylenes (total)	1330-20-7	BDL	10,000	E524.2	0.5	0.5	BDL

BDL = Indicates that the compound was analyzed for, but was below the Lab MDL.
NT = Not Tested for Compound.
µg/L = Micrograms per Liter.
J = Indicates the presence of a compound that meets the identification criteria, but the result is less than the sample quantitation limit and greater than the Lab MDL. (Above the Lab MDL, but below the PQL).

B = The analyte is found in the associated blank as well as in the sample.
MCL = Maximum Contaminant Level.
Lab MDL = Laboratory Method Detection Limit.

4.3 4

LABORATORY NUMBER: D46266-3 PWSID CO 0121175

UNREGULATED ORGANIC CHEMICALS - VOCs

UNITS MUST BE REPORTED IN ug/L

CONTAMINANT	CAS#	RESULT ug/L	MCL ug/L	STANDARD METHOD	Lab Report Limit µg/L	Lab MDL µg/L	BLANK RESULT
1,1-Dichloroethane	75-34-3	BDL	-	E524.2	0.5	0.5	BDL
1,1-Dichloropropene	563-58-6	BDL	-	E524.2	0.5	0.5	BDL
1,1,1,2-Tetrachloroethane	630-20-6	BDL	-	E524.2	0.5	0.5	BDL
1,1,2,2-Tetrachloroethane	79-34-5	BDL	-	E524.2	0.5	0.5	BDL
1,2,3-Trichlorobenzene	87-61-6	BDL	-	E524.2	0.5	0.5	BDL
1,2,3-Trichloropropane	96-18-4	BDL	-	E524.2	0.5	0.5	BDL
1,2,4-Trimethylbenzene	95-63-6	BDL	-	E524.2	0.5	0.5	BDL
1,3,5-Trimethylbenzene	108-67-8	BDL	-	E524.2	0.5	0.5	BDL
1,3-Dichloropropane	142-28-9	BDL	-	E524.2	0.5	0.5	BDL
2,2-Dichloropropane	594-20-7	BDL	-	E524.2	0.5	0.5	BDL
1,3-Dichloropropene	542-75-6	BDL	-	E524.2	0.5	0.5	BDL
Bromobenzene	108-86-1	BDL	-	E524.2	0.5	0.5	BDL
Bromochloromethane	74-97-5	BDL	-	E524.2	0.5	0.5	BDL
Bromomethane	74-83-9	BDL	-	E524.2	0.5	0.5	BDL
Chloroethane	75-00-3	BDL	-	E524.2	0.5	0.5	BDL
Chloromethane	74-87-3	BDL	-	E524.2	0.5	0.5	BDL
Dibromomethane	74-95-3	BDL	-	E524.2	0.5	0.5	BDL
Dichlorodifluoromethane	75-71-8	BDL	-	E524.2	0.5	0.5	BDL
Fluorotrichloromethane	75-69-4	BDL	-	E524.2	0.5	0.5	BDL
Hexachlorobutadiene	87-68-3	BDL	-	E524.2	0.5	0.5	BDL
Isopropylbenzene	98-82-8	BDL	-	E524.2	0.5	0.5	BDL
m-Dichlorobenzene	541-73-1	BDL	-	E524.2	0.5	0.5	BDL
Naphthalene	91-20-3	BDL	-	E524.2	0.5	0.5	BDL
n-Butylbenzene	104-51-8	BDL	-	E524.2	0.5	0.5	BDL
n-Propylbenzene	103-65-1	BDL	-	E524.2	0.5	0.5	BDL
o-Chlorotoluene	95-49-8	BDL	-	E524.2	0.5	0.5	BDL
p-Chlorotoluene	106-43-4	BDL	-	E524.2	0.5	0.5	BDL
p-Isopropyltoluene	99-87-6	BDL	-	E524.2	0.5	0.5	BDL
sec-Butylbenzene	135-98-8	BDL	-	E524.2	0.5	0.5	BDL
tert-Butylbenzene	98-06-6	BDL	-	E524.2	0.5	0.5	BDL
THMs						-	
Bromodichloromethane	75-27-4	BDL	-	E524.2	0.5	0.5	BDL
Bromoform	75-25-2	BDL	-	E524.2	0.5	0.5	BDL
Chlorodibromomethane	124-48-1	BDL	-	E524.2	0.5	0.5	BDL
Chloroform	67-66-3	BDL	-	E524.2	0.5	0.5	BDL

BDL = Indicates that the compound was analyzed for, but was below the Lab MDL.
NT = Not Tested for Compound.
µg/L = Micrograms per Liter
J = Indicates the presence of a compound that meets the identification criteria, but the result is less than the sample quantitation limit and greater than the Lab MDL. (Above the Lab MDL, but below the PQL).
B = The analyte is found in the associated blank as well as in the sample.
MCL = Maximum Contaminant Level.
Lab MDL = Laboratory Method Detection Limit.

LABORATORY NUMBER: D46266-3 PWSID CO 0121175

REGULATED PHASE I, II, V ORGANIC CHEMICALS - SOCs

UNITS MUST BE REPORTED IN ug/L

CONTAMINANT	CAS#	RESULT ug/L	MCL ug/L	STANDARD METHOD	Lab Report Limit µg/L	Lab MDL µg/L	BLANK RESULT
Dioxin	1746-01-6	NT	0.00003	-		-	NT
2,4-D	94-75-7	NT	70	-		-	NT
2,4,5-TP	93-72-1	NT	50	-		-	NT
Alachlor	15972-60-8	NT	2	-		-	NT
Atrazine	1912-24-9	NT	3	-		-	NT
Benzo(a)pyrene	50-32-8	NT	0.2	-		-	NT
Carbofuran	1563-66-2	NT	40	-		-	NT
Chlordane	12789-03-6	NT	2	-		-	NT
Dalapon	75-99-0	NT	200	-		-	NT
Dibromochloropropane	96-12-8	NT	0.2	-		-	NT
Dinoseb	88-85-7	NT	7	-		-	NT
Diquat	85-00-7	NT	20	-		-	NT
Di(2-ethylhexyl)adipate	103-23-1	NT	400	-		-	NT
Di(2-ethylhexyl)phthalate	117-81-7	NT	6	-		-	NT
Endothall	145-73-3	NT	100	-		-	NT
Endrin	72-20-8	NT	2	-		-	NT
Ethylene Dibromide	106-93-4	NT	0.05	-		-	NT
Glyphosate	1071-83-6	NT	700	-		-	NT
Heptachlor	76-44-8	NT	0.4	-		-	NT
Heptachlor Epoxide	1024-57-3	NT	0.2	-		-	NT
Hexachlorobenzene	118-74-1	NT	1	-		-	NT
Hexachlorocyclopentadiene	77-47-4	NT	50	-		-	NT
Lindane	58-89-9	NT	0.2	-		-	NT
Methoxychlor	72-43-5	NT	40	-		-	NT
Oxamyl	23135-22-0	NT	200	-		-	NT
Pentachlorophenol	87-86-5	NT	1	-		-	NT
Picloram	1918-02-1	NT	500	-		-	NT
Polychlorinated Biphenyls	1336-36-3	NT	0.5	-		-	NT
Simazine	122-34-9	NT	4	-		-	NT
Toxaphene	8001-35-2	NT	3	-		-	NT

BDL = Indicates that the compound was analyzed for, but was below the Lab MDL.
NT = Not Tested for Compound
µg/L = Micrograms per Liter
J = Indicates the presence of a compound that meets the identification criteria, but the result is less than the sample quantitation limit and greater than the Lab MDL. (Above the Lab MDL, but below the PQL).
B = The analyte is found in the associated blank as well as in the sample.
MCL = Maximum Contaminant Level.
Lab MDL = Laboratory Method Detection Limit

4.3 4

LABORATORY NUMBER: D46266-3 PWSID CO 0121175

UNREGULATED ORGANIC CHEMICALS - SOCs
UNITS MUST BE REPORTED IN ug/L

CONTAMINANT	CAS#	RESULT ug/L	MCL ug/L	STANDARD METHOD	Lab Report Limit µ g/L	Lab MDL µ g/L	BLANK RESULT
Aldrin	309-00-2	NT	-	-		-	NT
Propachlor	1918-16-7	NT	-	-		-	NT
Metribuzin	21087-64-9	NT	-	-		-	NT
Metolachlor	51218-45-2	NT	-	-		-	NT
3-Hydroxycarbofuran	16655-82-6	NT	-	-		-	NT
Aldicarb	116-06-3	NT	-	-		-	NT
Aldicarb sulfoxide	1646-87-3	NT	-	-		-	NT
Methomyl	16752-77-5	NT	-	-		-	NT
Butachlor	23184-66-9	NT	-	-		-	NT
Carbaryl	63-25-2	NT	-	-		-	NT
Dicamba	1918-00-9	NT	-	-		-	NT
Dieldrin	60-57-1	NT	-	-		-	NT
Aldicarb sulfone	1646-88-4	NT	-	-		-	NT

HDL = Indicates that the compound was analyzed for, but was below the Lab MDL.
NT = Not Tested for Compound.
µg/L = Microgram per Liter
J = Indicates the presence of a compound that meets the identification criteria, but the result is less than the sample quantitation limit and greater than the Lab MDL. (Above the Lab MDL, but below the PQL).

B = The analyte is found in the associated blank as well as in the sample.
MCL = Maximum Contaminant Level.
Lab MDL = Laboratory Method Detection Limit.

Lab director 5/24/2013

Laboratory Results Reviewed & Approved by — Title — Date

MAIL RESULTS TO: CDPHE, WQCD-CADM
4300 Cherry Creek Drive South
Denver, CO 80246-1530

FAX: 303-758-1398

4.3
4

Organic Chemicals Certified Laboratory Report Form

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South, Denver, CO 80246-1530
Fax: (303) 758-1398 cdphe.drinkingwater@state.co.us

Revision: 6/14/13

VOC / SOC

Section I (Completed by the Public Water Systems only)		Section II (Completed by Certified Laboratories only)	
Public Water System Information		**Certified Laboratory Information**	
PWSID#: CO 0121175		Laboratory ID: CO00049	
System Name: Donala Water & Sanitation District		Laboratory Name: Accutest Mountain States	
Contact Person: Dana C Duthie	Phone: (719) 488-3603	Contact Person:	Phone: (303)425-6021
Comments:	Do Samples need to be composited BY THE LAB? ☐	Comments:	
		Scott Heideman	Lab Director	8/30/2013
		Laboratory Authorized Signature	Printed Name	Title	Date

Section III (Completed by Public Water Systems Only)			Section IV (Completed by Certified Laboratories Only)
Sample Date: 8/21/2013	Collector: MP	Facility ID:	Sample Pt ID: EP 001

Section IV Volatile Organic Chemicals (Completed by Certified Laboratory)

Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No.	Analytical Method	MCL (ug/L)	Lab MDL (ug/L)	Result (ug/L)
8/21/2013	8/21/2013	D49656-3	1,1,1-Trichloroethane (2981)	71-55-6	E524.2	200	0.5	BDL
8/21/2013	8/21/2013	D49656-3	1,1,2-Trichloroethane (2985)	79-00-5	E524.2	5	0.5	BDL
8/21/2013	8/21/2013	D49656-3	1,1-Dichloroethylene (2977)	75-35-4	E524.2	7	0.5	BDL
8/21/2013	8/21/2013	D49656-3	1,2,4-Trichlorobenzene (2378)	120-82-1	E524.2	70	0.5	BDL
8/21/2013	8/21/2013	D49656-3	1,2-Dichloroethane (2980)	107-06-2	E524.2	5	0.5	BDL
8/21/2013	8/21/2013	D49656-3	1,2-Dichloropropane (2983)	78-87-5	E524.2	5	0.5	BDL
8/21/2013	8/21/2013	D49656-3	Benzene (2990)	71-43-2	E524.2	5	0.5	BDL
8/21/2013	8/21/2013	D49656-3	Carbon Tetrachloride (2982)	56-23-5	E524.2	5	0.5	BDL
8/21/2013	8/21/2013	D49656-3	Chlorobenzene (2989)	108-90-7	E524.2	100	0.5	BDL
8/21/2013	8/21/2013	D49656-3	cis-1,2-Dichloroethylene (2380)	156-59-2	E524.2	70	0.5	BDL
8/21/2013	8/21/2013	D49656-3	Dichloromethane (2964)	75-09-2	E524.2	5	0.5	BDL
8/21/2013	8/21/2013	D49656-3	Ethylbenzene (2992)	100-41-4	E524.2	700	0.5	BDL
8/21/2013	8/21/2013	D49656-3	o-Dichlorobenzene (2968)	95-50-1	E524.2	600	0.5	BDL
8/21/2013	8/21/2013	D49656-3	para-Dichlorobenzene (2969)	106-46-7	E524.2	75	0.5	BDL
8/21/2013	8/21/2013	D49656-3	Styrene (2996)	100-42-5	E524.2	100	0.5	BDL
8/21/2013	8/21/2013	D49656-3	Tetrachloroethylene (2987)	127-18-4	E524.2	5	0.5	BDL
8/21/2013	8/21/2013	D49656-3	Toluene (2991)	108-88-3	E524.2	1,000	0.5	BDL
8/21/2013	8/21/2013	D49656-3	trans-1,2-Dichloroethylene (2979)	156-60-5	E524.2	100	0.5	BDL
8/21/2013	8/21/2013	D49656-3	Trichloroethylene (2984)	79-01-6	E524.2	5	0.5	BDL
8/21/2013	8/21/2013	D49656-3	Vinyl chloride (2976)	75-01-4	E524.2	2	0.5	BDL
8/21/2013	8/21/2013	D49656-3	Xylenes - Total (2955)	1330-20-7	E524.2	10,000	0.5	BDL

Section V (Completed by Public Water System)			
PWSID#: CO 0121175	Facility ID:	Sample Pt ID (On Schedule): EP 001	
Sample Date: 8/21/2013	Collector: MP		

ection VI Synthetic Organic Chemicals (Completed by Certified Laboratory

Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No.	Analytical Method	MCL (ug/L)	Lab MDL (ug/L)	Result (ug/L)
8/21/2013		D49656-3	1,2-Dibromo-3-chloropropane	96-12-8	-	0.2	-	NT
8/21/2013		D49656-3	2,4-D (2105)	94-75-7	-	70	-	NT
8/21/2013		D49656-3	2,4,5-TP (2110)	93-72-1	-	50	-	NT
8/21/2013		D49656-3	Alachlor (2051)	15972-60-8	-	2	-	NT
8/21/2013		D49656-3	Aldicarb (2047)	116-06-3	-	N/A	-	NT
8/21/2013		D49656-3	Aldicarb sulfone (2044)	1646-88-4	-	N/A	-	NT
8/21/2013		D49656-3	Aldicarb sulfoxide (2043)	1646-87-3	-	N/A	-	NT
8/21/2013		D49656-3	Atrazine (2050)	1912-24-9	-	3	-	NT
8/21/2013		D49656-3	Benzo(a)pyrene (2306)	50-32-8	-	0.2	-	NT
8/21/2013		D49656-3	Carbofuran (2046)	1563-66-2	-	40	-	NT
8/21/2013		D49656-3	Chlordane (2959)	12789-03-6	-	2	-	NT
8/21/2013		D49656-3	Dalapon (2031)	75-99-0	-	200	-	NT
8/21/2013		D49656-3	Di(2-ethylhexyl)adipate (2035)	103-23-1	-	400	-	NT
8/21/2013		D49656-3	Di(2-ethylhexyl)phthalate (2039)	117-81-7	-	6	-	NT
8/21/2013		D49656-3	Dinoseb (2041)	88-85-7	-	7	-	NT
8/21/2013		D49656-3	Diquat (2032)	85-00-7	-	20	-	NT
8/21/2013		D49656-3	Endothall (2033)	145-73-3	-	100	-	NT
8/21/2013		D49656-3	Endrin (2005)	72-20-8	-	2	-	NT
8/21/2013		D49656-3	Ethylene Dibromide (2946)	106-93-4	-	0.05	-	NT
8/21/2013		D49656-3	Heptachlor (2065)	76-44-8	-	0.4	-	NT
8/21/2013		D49656-3	Heptachlor Epoxide (2067)	1024-57-3	-	0.2	-	NT
8/21/2013		D49656-3	Hexachlorobenzene (2274)	118-74-1	-	1	-	NT
8/21/2013		D49656-3	Hexachlorocyclopentadiene (2042)	77-47-4	-	50	-	NT
8/21/2013		D49656-3	Lindane/BHC-Gamma (2010)	58-89-9	-	0.2	-	NT
8/21/2013		D49656-3	Methoxychlor (2015)	72-43-5	-	40	-	NT
8/21/2013		D49656-3	Oxamyl (2036)	23135-22-0	-	200	-	NT
8/21/2013		D49656-3	Pentachlorophenol (2326)	87-86-5	-	1	-	NT
8/21/2013		D49656-3	Picloram (2040)	1918-02-1	-	500	-	NT
8/21/2013		D49656-3	Polychlorinated Biphenyls (2383)	1336-36-3	-	0.5	-	NT
8/21/2013		D49656-3	Simazine (2037)	122-34-9	-	4	-	NT
8/21/2013		D49656-3	Toxaphene (2020)	8001-35-2	-	3	-	NT

Organic Chemicals Certified Laboratory Report Form

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South, Denver, CO 80246-1530
Fax (303) 758-1398&dphe.drinkingwater@state.co.us

Revision 6/14/13

VOC / SOC

Section I (Completed by the Public Water Systems only)		Section II (Completed by Certified Laboratories only)	
Public Water System Information		Certified Laboratory Information	
PWSID#: CO 0121175		Laboratory ID: CO00049	
System Name: Donala Water & Sanitation District		Laboratory Name: Accutest Mountain States	
Contact Person: Dana C. Duthie	Phone: (719) 488-3603	Contact Person:	Phone: (303)425-6021
Comments:	Do Samples need to be composited BY THE LAB? ☐	Comments:	
		Scott Heideman	Lab Director 8/30/2013
		Laboratory Authorized Signature	Printed Name / Title / Date

Section III (Completed by Public Water Systems Only)	Section IV (Completed by Certified Laboratories Only)

Sample Date: 8/21/2013 | Collector: MP | Facility ID: | Sample Pt ID: EP 002

Section IV Volatile Organic Chemicals (Completed by Certified Laboratory)

Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No.	Analytical Method	MCL (ug/L)	Lab MDL (ug/L)	Result (ug/L)
8/21/2013	8/21/2013	D49656-4	1,1,1-Trichloroethane (2981)	71-55-6	E524.2	200	0.5	BDL
8/21/2013	8/21/2013	D49656-4	1,1,2-Trichloroethane (2985)	79-00-5	E524.2	5	0.5	BDL
8/21/2013	8/21/2013	D49656-4	1,1-Dichloroethylene (2977)	75-35-4	E524.2	7	0.5	BDL
8/21/2013	8/21/2013	D49656-4	1,2,4-Trichlorobenzene (2378)	120-82-1	E524.2	70	0.5	BDL
8/21/2013	8/21/2013	D49656-4	1,2-Dichloroethane (2980)	107-06-2	E524.2	5	0.5	BDL
8/21/2013	8/21/2013	D49656-4	1,2-Dichloropropane (2983)	78-87-5	E524.2	5	0.5	BDL
8/21/2013	8/21/2013	D49656-4	Benzene (2990)	71-43-2	E524.2	5	0.5	BDL
8/21/2013	8/21/2013	D49656-4	Carbon Tetrachloride (2982)	56-23-5	E524.2	5	0.5	BDL
8/21/2013	8/21/2013	D49656-4	Chlorobenzene (2989)	108-90-7	E524.2	100	0.5	BDL
8/21/2013	8/21/2013	D49656-4	cis-1,2-Dichloroethylene (2380)	156-59-2	E524.2	70	0.5	BDL
8/21/2013	8/21/2013	D49656-4	Dichloromethane (2964)	75-09-2	E524.2	5	0.5	BDL
8/21/2013	8/21/2013	D49656-4	Ethylbenzene (2992)	100-41-4	E524.2	700	0.5	BDL
8/21/2013	8/21/2013	D49656-4	o-Dichlorobenzene (2968)	95-50-1	E524.2	600	0.5	BDL
8/21/2013	8/21/2013	D49656-4	para-Dichlorobenzene (2969)	106-46-7	E524.2	75	0.5	BDL
8/21/2013	8/21/2013	D49656-4	Styrene (2996)	100-42-5	E524.2	100	0.5	BDL
8/21/2013	8/21/2013	D49656-4	Tetrachloroethylene (2987)	127-18-4	E524.2	5	0.5	BDL
8/21/2013	8/21/2013	D49656-4	Toluene (2991)	108-88-3	E524.2	1,000	0.5	BDL
8/21/2013	8/21/2013	D49656-4	trans-1,2-Dichloroethylene (2979)	156-60-5	E524.2	100	0.5	BDL
8/21/2013	8/21/2013	D49656-4	Trichloroethylene (2984)	79-01-6	E524.2	5	0.5	BDL
8/21/2013	8/21/2013	D49656-4	Vinyl chloride (2976)	75-01-4	E524.2	2	0.5	BDL
8/21/2013	8/21/2013	D49656-4	Xylenes - Total (2955)	1330-20-7	E524.2	10,000	0.5	BDL

Section V (Completed by Public Water System)								
PWSID#: CO 0121175		Facility ID:			Sample Pt ID (On Schedule): EP 002			
Sample Date: 8/21/2013		Collector: MP						
ection VI Synthetic Organic Chemicals (Completed by Certified Laborator)								
Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No.	Analytical Method	MCL (ug/L)	Lab MDL (ug/L)	Result (ug/L)
8/21/2013		D49656-4	1,2-Dibromo-3-chloropropane	96-12-8	-	0.2	-	NT
8/21/2013		D49656-4	2,4-D (2105)	94-75-7	-	70	-	NT
8/21/2013		D49656-4	2,4,5-TP (2110)	93-72-1	-	50	-	NT
8/21/2013		D49656-4	Alachlor (2051)	15972-60-8	-	2	-	NT
8/21/2013		D49656-4	Aldicarb (2047)	116-06-3	-	N/A	-	NT
8/21/2013		D49656-4	Aldicarb sulfone (2044)	1646-88-4	-	N/A	-	NT
8/21/2013		D49656-4	Aldicarb sulfoxide (2043)	1646-87-3	-	N/A	-	NT
8/21/2013		D49656-4	Atrazine (2050)	1912-24-9	-	3	-	NT
8/21/2013		D49656-4	Benzo(a)pyrene (2306)	50-32-8	-	0.2	-	NT
8/21/2013		D49656-4	Carbofuran (2046)	1563-66-2	-	40	-	NT
8/21/2013		D49656-4	Chlordane (2959)	12789-03-6	-	2	-	NT
8/21/2013		D49656-4	Dalapon (2031)	75-99-0	-	200	-	NT
8/21/2013		D49656-4	Di(2-ethylhexyl)adipate (2035)	103-23-1	-	400	-	NT
8/21/2013		D49656-4	Di(2-ethylhexyl)phthalate (2039)	117-81-7	-	6	-	NT
8/21/2013		D49656-4	Dinoseb (2041)	88-85-7	-	7	-	NT
8/21/2013		D49656-4	Diquat (2032)	85-00-7	-	20	-	NT
8/21/2013		D49656-4	Endothall (2033)	145-73-3	-	100	-	NT
8/21/2013		D49656-4	Endrin (2005)	72-20-8	-	2	-	NT
8/21/2013		D49656-4	Ethylene Dibromide (2946)	106-93-4	-	0.05	-	NT
8/21/2013		D49656-4	Heptachlor (2065)	76-44-8	-	0.4	-	NT
8/21/2013		D49656-4	Heptachlor Epoxide (2067)	1024-57-3	-	0.2	-	NT
8/21/2013		D49656-4	Hexachlorobenzene (2274)	118-74-1	-	1	-	NT
8/21/2013		D49656-4	Hexachlorocyclopentadiene (2042)	77-47-4	-	50	-	NT
8/21/2013		D49656-4	Lindane/BHC-Gamma (2010)	58-89-9	-	0.2	-	NT
8/21/2013		D49656-4	Methoxychlor (2015)	72-43-5	-	40	-	NT
8/21/2013		D49656-4	Oxamyl (2036)	23135-22-0	-	200	-	NT
8/21/2013		D49656-4	Pentachlorophenol (2326)	87-86-5	-	1	-	NT
8/21/2013		D49656-4	Picloram (2040)	1918-02-1	-	500	-	NT
8/21/2013		D49656-4	Polychlorinated Biphenyls (2383)	1336-36-3	-	0.5	-	NT
8/21/2013		D49656-4	Simazine (2037)	122-34-9	-	4	-	NT
8/21/2013		D49656-4	Toxaphene (2020)	8001-35-2	-	3	-	NT

ACCUTEST LABORATORIES D49656

Organic Chemicals Certified Laboratory Report Form

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South, Denver, CO 80246-1530
Fax: (303) 758-1398 cdphe.drinkingwater@state.co.us

Revision: 6/14/13

VOC / SOC

Section I (Completed by the Public Water Systems only)		Section II (Completed by Certified Laboratories only)	
Public Water System Information		**Certified Laboratory Information**	
PWSID# CO 0121175		Laboratory ID: CO00049	
System Name: Donala Water & Sanitation District		Laboratory Name: Accutest Mountain States	
Contact Person: Dana C. Duthie	Phone: (719) 488-3603	Contact Person	Phone: (303)425-6021
Comments:	Do Samples need to be composited BY THE LAB? ☐	Comments:	
		Scott Heideman	Lab Director 8/30/2013
		Laboratory Authorized Signature	Printed Name / Title / Date

Section III (Completed by Public Water Systems Only)		Section IV (Completed by Certified Laboratories Only)	
Sample Date: 8/21/2013	Collector: MP	Facility ID:	Sample Pt ID: EP 013T

Section IV Volatile Organic Chemicals (Completed by Certified Laboratory)

Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No.	Analytical Method	MCL (ug/L)	Lab MDL (ug/L)	Result (ug/L)
8/21/2013	8/21/2013	D49656-5	1,1,1-Trichloroethane (2981)	71-55-6	E524.2	200	0.5	BDL
8/21/2013	8/21/2013	D49656-5	1,1,2-Trichloroethane (2985)	79-00-5	E524.2	5	0.5	BDL
8/21/2013	8/21/2013	D49656-5	1,1-Dichloroethylene (2977)	75-35-4	E524.2	7	0.5	BDL
8/21/2013	8/21/2013	D49656-5	1,2,4-Trichlorobenzene (2378)	120-82-1	E524.2	70	0.5	BDL
8/21/2013	8/21/2013	D49656-5	1,2-Dichloroethane (2980)	107-06-2	E524.2	5	0.5	BDL
8/21/2013	8/21/2013	D49656-5	1,2-Dichloropropane (2983)	78-87-5	E524.2	5	0.5	BDL
8/21/2013	8/21/2013	D49656-5	Benzene (2990)	71-43-2	E524.2	5	0.5	BDL
8/21/2013	8/21/2013	D49656-5	Carbon Tetrachloride (2982)	56-23-5	E524.2	5	0.5	BDL
8/21/2013	8/21/2013	D49656-5	Chlorobenzene (2989)	108-90-7	E524.2	100	0.5	BDL
8/21/2013	8/21/2013	D49656-5	cis-1,2-Dichloroethylene (2380)	156-59-2	E524.2	70	0.5	BDL
8/21/2013	8/21/2013	D49656-5	Dichloromethane (2964)	75-09-2	E524.2	5	0.5	BDL
8/21/2013	8/21/2013	D49656-5	Ethylbenzene (2992)	100-41-4	E524.2	700	0.5	BDL
8/21/2013	8/21/2013	D49656-5	o-Dichlorobenzene (2968)	95-50-1	E524.2	600	0.5	BDL
8/21/2013	8/21/2013	D49656-5	para-Dichlorobenzene (2969)	106-46-7	E524.2	75	0.5	BDL
8/21/2013	8/21/2013	D49656-5	Styrene (2996)	100-42-5	E524.2	100	0.5	BDL
8/21/2013	8/21/2013	D49656-5	Tetrachloroethylene (2987)	127-18-4	E524.2	5	0.5	BDL
8/21/2013	8/21/2013	D49656-5	Toluene (2991)	108-88-3	E524.2	1,000	0.5	BDL
8/21/2013	8/21/2013	D49656-5	trans-1,2-Dichloroethylene (2979)	156-60-5	E524.2	100	0.5	BDL
8/21/2013	8/21/2013	D49656-5	Trichloroethylene (2984)	79-01-6	E524.2	5	0.5	BDL
8/21/2013	8/21/2013	D49656-5	Vinyl chloride (2976)	75-01-4	E524.2	2	0.5	BDL
8/21/2013	8/21/2013	D49656-5	Xylenes - Total (2955)	1330-20-7	E524.2	10,000	0.5	BDL

Section V (Completed by Public Water System)		
PWSID#: CO 0121175	Facility ID:	Sample Pt ID (On Schedule): EP 013T
Sample Date: 8/21/2013	Collector: MP	

action VI Synthetic Organic Chemicals (Completed by Certified Laboratory)

Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No.	Analytical Method	MCL (ug/L)	Lab MDL (ug/L)	Result (ug/L)
8/21/2013		D49656-5	1,2-Dibromo-3-chloropropane	96-12-8	-	0.2	-	NT
8/21/2013		D49656-5	2,4-D (2105)	94-75-7	-	70	-	NT
8/21/2013		D49656-5	2,4,5-TP (2110)	93-72-1	-	50	-	NT
8/21/2013		D49656-5	Alachlor (2051)	15972-60-8	-	2	-	NT
8/21/2013		D49656-5	Aldicarb (2047)	116-06-3	-	N/A	-	NT
8/21/2013		D49656-5	Aldicarb sulfone (2044)	1646-88-4	-	N/A	-	NT
8/21/2013		D49656-5	Aldicarb sulfoxide (2043)	1646-87-3	-	N/A	-	NT
8/21/2013		D49656-5	Atrazine (2050)	1912-24-9	-	3	-	NT
8/21/2013		D49656-5	Benzo(a)pyrene (2306)	50-32-8	-	0.2	-	NT
8/21/2013		D49656-5	Carbofuran (2046)	1563-66-2	-	40	-	NT
8/21/2013		D49656-5	Chlordane (2959)	12789-03-6	-	2	-	NT
8/21/2013		D49656-5	Dalapon (2031)	75-99-0	-	200	-	NT
8/21/2013		D49656-5	Di(2-ethylhexyl)adipate (2035)	103-23-1	-	400	-	NT
8/21/2013		D49656-5	Di(2-ethylhexyl)phthalate (2039)	117-81-7	-	6	-	NT
8/21/2013		D49656-5	Dinoseb (2041)	88-85-7	-	7	-	NT
8/21/2013		D49656-5	Diquat (2032)	85-00-7	-	20	-	NT
8/21/2013		D49656-5	Endothall (2033)	145-73-3	-	100	-	NT
8/21/2013		D49656-5	Endrin (2005)	72-20-8	-	2	-	NT
8/21/2013		D49656-5	Ethylene Dibromide (2946)	106-93-4	-	0.05	-	NT
8/21/2013		D49656-5	Heptachlor (2065)	76-44-8	-	0.4	-	NT
8/21/2013		D49656-5	Heptachlor Epoxide (2067)	1024-57-3	-	0.2	-	NT
8/21/2013		D49656-5	Hexachlorobenzene (2274)	118-74-1	-	1	-	NT
8/21/2013		D49656-5	Hexachlorocyclopentadiene (2042)	77-47-4	-	50	-	NT
8/21/2013		D49656-5	Lindane/BHC-Gamma (2010)	58-89-9	-	0.2	-	NT
8/21/2013		D49656-5	Methoxychlor (2015)	72-43-5	-	40	-	NT
8/21/2013		D49656-5	Oxamyl (2036)	23135-22-0	-	200	-	NT
8/21/2013		D49656-5	Pentachlorophenol (2326)	87-86-5	-	1	-	NT
8/21/2013		D49656-5	Picloram (2040)	1918-02-1	-	500	-	NT
8/21/2013		D49656-5	Polychlorinated Biphenyls (2383)	1336-36-3	-	0.5	-	NT
8/21/2013		D49656-5	Simazine (2037)	122-34-9	-	4	-	NT
8/21/2013		D49656-5	Toxaphene (2020)	8001-35-2	-	3	-	NT

ACCUTEST LABORATORIES D49656

Organic Chemicals Certified Laboratory Report Form

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South, Denver, CO 80246-1530
Fax: (303) 758-1398&dphe.drinkingwater@state.co.us

Revision: 6/14/13

VOC / SOC

Section I (Completed by the Public Water Systems only)		Section II (Completed by Certified Laboratories only)	
Public Water System Information		**Certified Laboratory Information**	
PWSID# CO 0121175		Laboratory ID: CO00049	
System Name: Donala Water & Sanitation District		Laboratory Name: Accutest Mountain States	
Contact Person Dana C Duthie	Phone: (719) 488-3603	Contact Person	Phone: (303)425-6021
Comments:	Do Samples need to be composited BY THE LAB? ☐	Comments:	
		Scott Heideman	Lab Director 8/30/2013
		Laboratory Authorized Signature Printed Name	Title Date

Section III (Completed by Public Water Systems Only)			Section IV (Completed by Certified Laboratories Only)
Sample Date: 8/21/2013	Collector: MP	Facility ID:	Sample Pt ID: EP 024

Section IV Volatile Organic Chemicals (Completed by Certified Laboratory)

Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No.	Analytical Method	MCL (ug/L)	Lab MDL (ug/L)	Result (ug/L)
8/21/2013	8/21/2013	D49656-6	1,1,1-Trichloroethane (2981)	71-55-6	E524.2	200	0.5	BDL
8/21/2013	8/21/2013	D49656-6	1,1,2-Trichloroethane (2985)	79-00-5	E524.2	5	0.5	BDL
8/21/2013	8/21/2013	D49656-6	1,1-Dichloroethylene (2977)	75-35-4	E524.2	7	0.5	BDL
8/21/2013	8/21/2013	D49656-6	1,2,4-Trichlorobenzene (2378)	120-82-1	E524.2	70	0.5	BDL
8/21/2013	8/21/2013	D49656-6	1,2-Dichloroethane (2980)	107-06-2	E524.2	5	0.5	BDL
8/21/2013	8/21/2013	D49656-6	1,2-Dichloropropane (2983)	78-87-5	E524.2	5	0.5	BDL
8/21/2013	8/21/2013	D49656-6	Benzene (2990)	71-43-2	E524.2	5	0.5	BDL
8/21/2013	8/21/2013	D49656-6	Carbon Tetrachloride (2982)	56-23-5	E524.2	5	0.5	BDL
8/21/2013	8/21/2013	D49656-6	Chlorobenzene (2989)	108-90-7	E524.2	100	0.5	BDL
8/21/2013	8/21/2013	D49656-6	cis-1,2-Dichloroethylene (2380)	156-59-2	E524.2	70	0.5	BDL
8/21/2013	8/21/2013	D49656-6	Dichloromethane (2964)	75-09-2	E524.2	5	0.5	BDL
8/21/2013	8/21/2013	D49656-6	Ethylbenzene (2992)	100-41-4	E524.2	700	0.5	BDL
8/21/2013	8/21/2013	D49656-6	o-Dichlorobenzene (2968)	95-50-1	E524.2	600	0.5	BDL
8/21/2013	8/21/2013	D49656-6	para-Dichlorobenzene (2969)	106-46-7	E524.2	75	0.5	BDL
8/21/2013	8/21/2013	D49656-6	Styrene (2996)	100-42-5	E524.2	100	0.5	BDL
8/21/2013	8/21/2013	D49656-6	Tetrachloroethylene (2987)	127-18-4	E524.2	5	0.5	BDL
8/21/2013	8/21/2013	D49656-6	Toluene (2991)	108-88-3	E524.2	1,000	0.5	BDL
8/21/2013	8/21/2013	D49656-6	trans-1,2-Dichloroethylene (2979)	156-60-5	E524.2	100	0.5	BDL
8/21/2013	8/21/2013	D49656-6	Trichloroethylene (2984)	79-01-6	E524.2	5	0.5	BDL
8/21/2013	8/21/2013	D49656-6	Vinyl chloride (2976)	75-01-4	E524.2	2	0.5	BDL
8/21/2013	8/21/2013	D49656-6	Xylenes - Total (2955)	1330-20-7	E524.2	10,000	0.5	BDL

Section V (Completed by Public Water System)		
PWSID#: CO 0121175	Facility ID:	Sample Pt ID (On Schedule): EP 024
Sample Date: 8/21/2013	Collector: MP	

ection VI Synthetic Organic Chemicals (Completed by Certified Laboratory)

Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No.	Analytical Method	MCL (ug/L)	Lab MDL (ug/L)	Result (ug/L)
8/21/2013		D49656-6	1,2-Dibromo-3-chloropropane	96-12-8	-	0.2	-	NT
8/21/2013		D49656-6	2,4-D (2105)	94-75-7	-	70	-	NT
8/21/2013		D49656-6	2,4,5-TP (2110)	93-72-1	-	50	-	NT
8/21/2013		D49656-6	Alachlor (2051)	15972-60-8	-	2	-	NT
8/21/2013		D49656-6	Aldicarb (2047)	116-06-3	-	N/A	-	NT
8/21/2013		D49656-6	Aldicarb sulfone (2044)	1646-88-4	-	N/A	-	NT
8/21/2013		D49656-6	Aldicarb sulfoxide (2043)	1646-87-3	-	N/A	-	NT
8/21/2013		D49656-6	Atrazine (2050)	1912-24-9	-	3	-	NT
8/21/2013		D49656-6	Benzo(a)pyrene (2306)	50-32-8	-	0.2	-	NT
8/21/2013		D49656-6	Carbofuran (2046)	1563-66-2	-	40	-	NT
8/21/2013		D49656-6	Chlordane (2959)	12789-03-6	-	2	-	NT
8/21/2013		D49656-6	Dalapon (2031)	75-99-0	-	200	-	NT
8/21/2013		D49656-6	Di(2-ethylhexyl)adipate (2035)	103-23-1	-	400	-	NT
8/21/2013		D49656-6	Di(2-ethylhexyl)phthalate (2039)	117-81-7	-	6	-	NT
8/21/2013		D49656-6	Dinoseb (2041)	88-85-7	-	7	-	NT
8/21/2013		D49656-6	Diquat (2032)	85-00-7	-	20	-	NT
8/21/2013		D49656-6	Endothall (2033)	145-73-3	-	100	-	NT
8/21/2013		D49656-6	Endrin (2005)	72-20-8	-	2	-	NT
8/21/2013		D49656-6	Ethylene Dibromide (2946)	106-93-4	-	0.05	-	NT
8/21/2013		D49656-6	Heptachlor (2065)	76-44-8	-	0.4	-	NT
8/21/2013		D49656-6	Heptachlor Epoxide (2067)	1024-57-3	-	0.2	-	NT
8/21/2013		D49656-6	Hexachlorobenzene (2274)	118-74-1	-	1	-	NT
8/21/2013		D49656-6	Hexachlorocyclopentadiene (2042)	77-47-4	-	50	-	NT
8/21/2013		D49656-6	Lindane/BHC-Gamma (2010)	58-89-9	-	0.2	-	NT
8/21/2013		D49656-6	Methoxychlor (2015)	72-43-5	-	40	-	NT
8/21/2013		D49656-6	Oxamyl (2036)	23135-22-0	-	200	-	NT
8/21/2013		D49656-6	Pentachlorophenol (2326)	87-86-5	-	1	-	NT
8/21/2013		D49656-6	Picloram (2040)	1918-02-1	-	500	-	NT
8/21/2013		D49656-6	Polychlorinated Biphenyls (2383)	1336-36-3	-	0.5	-	NT
8/21/2013		D49656-6	Simazine (2037)	122-34-9	-	4	-	NT
8/21/2013		D49656-6	Toxaphene (2020)	8001-35-2	-	3	-	NT

Organic Chemicals Certified Laboratory Report Form

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Revision: 6/14/13

VOC / SOC

Section I (Completed by the Public Water Systems only)		Section II (Completed by Certified Laboratories only)	
Public Water System Information		Certified Laboratory Information	
PWSID#: CO 0121175		Laboratory ID: CO00049	
System Name: Donala Water & Sanitation District		Laboratory Name: Accutest Mountain States	
Contact Person: Dana C Duthie	Phone: (719) 488-3603	Contact Person:	Phone: (303)425-6021
Comments:	Do Samples need to be composited BY THE LAB? ☐	Comments:	
		Scott Heideman (Laboratory Authorized Signature)	Lab Director (Title) 12/5/2013 (Date)
Section III (Completed by Public Water Systems Only)		Section IV (Completed by Certified Laboratories Only)	

Sample Date: 11/20/2013 | Collector: MP | Facility ID: EP013T | Sample Pt ID: EP013T

Section IV Volatile Organic Chemicals (Completed by Certified Laboratory)

Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No.	Analytical Method	MCL (ug/L)	Lab MDL (ug/L)	Result (ug/L)
11/20/2013	11/25/2013	D52768-3	1,1,1-Trichloroethane (2981)	71-55-6	E524.2	200	0.5	BDL
11/20/2013	11/25/2013	D52768-3	1,1,2-Trichloroethane (2985)	79-00-5	E524.2	5	0.5	BDL
11/20/2013	11/25/2013	D52768-3	1,1-Dichloroethylene (2977)	75-35-4	E524.2	7	0.5	BDL
11/20/2013	11/25/2013	D52768-3	1,2,4-Trichlorobenzene (2378)	120-82-1	E524.2	70	0.5	BDL
11/20/2013	11/25/2013	D52768-3	1,2-Dichloroethane (2980)	107-06-2	E524.2	5	0.5	BDL
11/20/2013	11/25/2013	D52768-3	1,2-Dichloropropane (2983)	78-87-5	E524.2	5	0.5	BDL
11/20/2013	11/25/2013	D52768-3	Benzene (2990)	71-43-2	E524.2	5	0.5	BDL
11/20/2013	11/25/2013	D52768-3	Carbon Tetrachloride (2982)	56-23-5	E524.2	5	0.5	BDL
11/20/2013	11/25/2013	D52768-3	Chlorobenzene (2989)	108-90-7	E524.2	100	0.5	BDL
11/20/2013	11/25/2013	D52768-3	cis-1,2-Dichloroethylene (2380)	156-59-2	E524.2	70	0.5	BDL
11/20/2013	11/25/2013	D52768-3	Dichloromethane (2964)	75-09-2	E524.2	5	0.5	BDL
11/20/2013	11/25/2013	D52768-3	Ethylbenzene (2992)	100-41-4	E524.2	700	0.5	BDL
11/20/2013	11/25/2013	D52768-3	o-Dichlorobenzene (2968)	95-50-1	E524.2	600	0.5	BDL
11/20/2013	11/25/2013	D52768-3	para-Dichlorobenzene (2969)	106-46-7	E524.2	75	0.5	BDL
11/20/2013	11/25/2013	D52768-3	Styrene (2996)	100-42-5	E524.2	100	0.5	BDL
11/20/2013	11/25/2013	D52768-3	Tetrachloroethylene (2987)	127-18-4	E524.2	5	0.5	BDL
11/20/2013	11/25/2013	D52768-3	Toluene (2991)	108-88-3	E524.2	1,000	0.5	BDL
11/20/2013	11/25/2013	D52768-3	trans-1,2-Dichloroethylene (2979)	156-60-5	E524.2	100	0.5	BDL
11/20/2013	11/25/2013	D52768-3	Trichloroethylene (2984)	79-01-6	E524.2	5	0.5	BDL
11/20/2013	11/25/2013	D52768-3	Vinyl chloride (2976)	75-01-4	E524.2	2	0.5	BDL
11/20/2013	11/25/2013	D52768-3	Xylenes - Total (2955)	1330-20-7	E524.2	10,000	0.5	BDL

Section V (Completed by Public Water System)		
PWSID#: CO 0121175	Facility ID: EP013T	Sample Pt ID (On Schedule): EP013T
Sample Date: 11/20/2013	Collector: MP	

ection VI Synthetic Organic Chemicals (Completed by Certified Laborator)

Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No	Analytical Method	MCL (ug/L)	Lab MDL (ug/L)	Result (ug/L)
11/20/2013		D52768-3	1,2-Dibromo-3-chloropropane	96-12-8	-	0.2	-	NT
11/20/2013		D52768-3	2,4-D (2105)	94-75-7	-	70	-	NT
11/20/2013		D52768-3	2,4,5-TP (2110)	93-72-1	-	50	-	NT
11/20/2013		D52768-3	Alachlor (2051)	15972-60-8	-	2	-	NT
11/20/2013		D52768-3	Aldicarb (2047)	116-06-3	-	N/A	-	NT
11/20/2013		D52768-3	Aldicarb sulfone (2044)	1646-88-4	-	N/A	-	NT
11/20/2013		D52768-3	Aldicarb sulfoxide (2043)	1646-87-3	-	N/A	-	NT
11/20/2013		D52768-3	Atrazine (2050)	1912-24-9	-	3	-	NT
11/20/2013		D52768-3	Benzo(a)pyrene (2306)	50-32-8	-	0.2	-	NT
11/20/2013		D52768-3	Carbofuran (2046)	1563-66-2	-	40	-	NT
11/20/2013		D52768-3	Chlordane (2959)	12789-03-6	-	2	-	NT
11/20/2013		D52768-3	Dalapon (2031)	75-99-0	-	200	-	NT
11/20/2013		D52768-3	Di(2-ethylhexyl)adipate (2035)	103-23-1	-	400	-	NT
11/20/2013		D52768-3	Di(2-ethylhexyl)phthalate (2039)	117-81-7	-	6	-	NT
11/20/2013		D52768-3	Dinoseb (2041)	88-85-7	-	7	-	NT
11/20/2013		D52768-3	Diquat (2032)	85-00-7	-	20	-	NT
11/20/2013		D52768-3	Endothall (2033)	145-73-3	-	100	-	NT
11/20/2013		D52768-3	Endrin (2005)	72-20-8	-	2	-	NT
11/20/2013		D52768-3	Ethylene Dibromide (2946)	106-93-4	-	0.05	-	NT
11/20/2013		D52768-3	Heptachlor (2065)	76-44-8	-	0.4	-	NT
11/20/2013		D52768-3	Heptachlor Epoxide (2067)	1024-57-3	-	0.2	-	NT
11/20/2013		D52768-3	Hexachlorobenzene (2274)	118-74-1	-	1	-	NT
11/20/2013		D52768-3	Hexachlorocyclopentadiene (2042)	77-47-4	-	50	-	NT
11/20/2013		D52768-3	Lindane/BHC-Gamma (2010)	58-89-9	-	0.2	-	NT
11/20/2013		D52768-3	Methoxychlor (2015)	72-43-5	-	40	-	NT
11/20/2013		D52768-3	Oxamyl (2036)	23135-22-0	-	200	-	NT
11/20/2013		D52768-3	Pentachlorophenol (2326)	87-86-5	-	1	-	NT
11/20/2013		D52768-3	Picloram (2040)	1918-02-1	-	500	-	NT
11/20/2013		D52768-3	Polychlorinated Biphenyls (2383)	1336-36-3	-	0.5	-	NT
11/20/2013		D52768-3	Simazine (2037)	122-34-9	-	4	-	NT
11/20/2013		D52768-3	Toxaphene (2020)	8001-35-2	-	3	-	NT

Organic Chemicals Certified Laboratory Report Form

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398 cdphe.drinkingwater@state.co.us

Revision: 6/14/13

VOC / SOC

Section I (Completed by the Public Water Systems only)		Section II (Completed by Certified Laboratories only)	
Public Water System Information		Certified Laboratory Information	
PWSID#: CO 0121175		Laboratory ID: CO00049	
System Name: Donala Water & Sanitation District		Laboratory Name: Accutest Mountain States	
Contact Person: Dana C. Duthie	Phone: (719) 488-3603	Contact Person	Phone: (303)425-6021
Comments:	Do Samples need to be composited BY THE LAB? ☐	Comments:	
		Scott Heideman	Lab Director 12/5/2013
		Laboratory Authorized Signature	Printed Name Title Date

Section III (Completed by Public Water Systems Only)	Section IV (Completed by Certified Laboratories Only)

Sample Date: 11/20/2013 | Collector: MP | Facility ID: | Sample Pt ID: CSU TIE IN

Section IV Volatile Organic Chemicals (Completed by Certified Laboratory)

Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No.	Analytical Method	MCL (ug/L)	Lab MDL (ug/L)	Result (ug/L)
11/20/2013	11/25/2013	D52763-1	1,1,1-Trichloroethane (2981)	71-55-6	E524.2	200	0.5	BDL
11/20/2013	11/25/2013	D52763-1	1,1,2-Trichloroethane (2985)	79-00-5	E524.2	5	0.5	BDL
11/20/2013	11/25/2013	D52763-1	1,1-Dichloroethylene (2977)	75-35-4	E524.2	7	0.5	BDL
11/20/2013	11/25/2013	D52763-1	1,2,4-Trichlorobenzene (2378)	120-82-1	E524.2	70	0.5	BDL
11/20/2013	11/25/2013	D52763-1	1,2-Dichloroethane (2980)	107-06-2	E524.2	5	0.5	BDL
11/20/2013	11/25/2013	D52763-1	1,2-Dichloropropane (2983)	78-87-5	E524.2	5	0.5	BDL
11/20/2013	11/25/2013	D52763-1	Benzene (2990)	71-43-2	E524.2	5	0.5	BDL
11/20/2013	11/25/2013	D52763-1	Carbon Tetrachloride (2982)	56-23-5	E524.2	5	0.5	BDL
11/20/2013	11/25/2013	D52763-1	Chlorobenzene (2989)	108-90-7	E524.2	100	0.5	BDL
11/20/2013	11/25/2013	D52763-1	cis-1,2-Dichloroethylene (2380)	156-59-2	E524.2	70	0.5	BDL
11/20/2013	11/25/2013	D52763-1	Dichloromethane (2964)	75-09-2	E524.2	5	0.5	BDL
11/20/2013	11/25/2013	D52763-1	Ethylbenzene (2992)	100-41-4	E524.2	700	0.5	BDL
11/20/2013	11/25/2013	D52763-1	o-Dichlorobenzene (2968)	95-50-1	E524.2	600	0.5	BDL
11/20/2013	11/25/2013	D52763-1	para-Dichlorobenzene (2969)	106-46-7	E524.2	75	0.5	BDL
11/20/2013	11/25/2013	D52763-1	Styrene (2996)	100-42-5	E524.2	100	0.5	BDL
11/20/2013	11/25/2013	D52763-1	Tetrachloroethylene (2987)	127-18-4	E524.2	5	0.5	BDL
11/20/2013	11/25/2013	D52763-1	Toluene (2991)	108-88-3	E524.2	1,000	0.5	BDL
11/20/2013	11/25/2013	D52763-1	trans-1,2-Dichloroethylene (2979)	156-60-5	E524.2	100	0.5	BDL
11/20/2013	11/25/2013	D52763-1	Trichloroethylene (2984)	79-01-6	E524.2	5	0.5	BDL
11/20/2013	11/25/2013	D52763-1	Vinyl chloride (2976)	75-01-4	E524.2	2	0.5	BDL
11/20/2013	11/25/2013	D52763-1	Xylenes - Total (2955)	1330-20-7	E524.2	10,000	0.5	BDL

Section V (Completed by Public Water System)		
PWSID#: CO 0121175	Facility ID:	Sample Pt ID (On Schedule): CSU TIE IN
Sample Date: 11/20/2013	Collector: MP	

action VI Synthetic Organic Chemicals (Completed by Certified Laborator)

Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No.	Analytical Method	MCL (ug/L)	Lab MDL (ug/L)	Result (ug/L)
11/20/2013	11/21/2013	D52763-1	1,2-Dibromo-3-chloropropane	96-12-8	E504.1	0.2	0.0088	BDL
11/20/2013	11/24/2013	D52763-1	2,4-D (2105)	94-75-7	E515.4	70	0.1	BDL
11/20/2013	11/24/2013	D52763-1	2,4,5-TP (2110)	93-72-1	E515.4	50	0.2	BDL
11/20/2013	11/26/2013	D52763-1	Alachlor (2051)	15972-60-8	E525.2	2	0.19	BDL
11/20/2013	11/22/2013	D52763-1	Aldicarb (2047)	116-06-3	E531.1	N/A	0.26	BDL
11/20/2013	11/22/2013	D52763-1	Aldicarb sulfone (2044)	1646-88-4	E531.1	N/A	0.25	BDL
11/20/2013	11/22/2013	D52763-1	Aldicarb sulfoxide (2043)	1646-87-3	E531.1	N/A	0.25	BDL
11/20/2013	11/26/2013	D52763-1	Atrazine (2050)	1912-24-9	E525.2	3	0.096	BDL
11/20/2013	11/26/2013	D52763-1	Benzo(a)pyrene (2306)	50-32-8	E525.2	0.2	0.019	BDL
11/20/2013	11/22/2013	D52763-1	Carbofuran (2046)	1563-66-2	E531.1	40	0.25	BDL
11/20/2013	11/27/2013	D52763-1	Chlordane (2959)	12789-03-6	E508	2	0.19	BDL
11/20/2013	11/24/2013	D52763-1	Dalapon (2031)	75-99-0	E515.4	200	1	BDL
11/20/2013	11/26/2013	D52763-1	Di(2-ethylhexyl)adipate (2035)	103-23-1	E525.2	400	0.57	BDL
11/20/2013	11/26/2013	D52763-1	Di(2-ethylhexyl)phthalate (2039)	117-81-7	E525.2	6	0.57	BDL
11/20/2013	11/24/2013	D52763-1	Dinoseb (2041)	88-85-7	E515.4	7	0.2	BDL
11/20/2013	12/2/2013	D52763-1	Diquat (2032)	85-00-7	E549.2	20	0.25	BDL
11/20/2013	11/27/2013	D52763-1	Endothall (2033)	145-73-3	E548.1	100	3.2	BDL
11/20/2013	11/27/2013	D52763-1	Endrin (2005)	72-20-8	E508	2	0.0055	BDL
11/20/2013	11/21/2013	D52763-1	Ethylene Dibromide (2946)	106-93-4	E504.1	0.05	0.0078	BDL
11/20/2013	11/27/2013	D52763-1	Heptachlor (2065)	76-44-8	E508	0.4	0.0095	BDL
11/20/2013	11/27/2013	D52763-1	Heptachlor Epoxide (2067)	1024-57-3	E508	0.2	0.0065	BDL
11/20/2013	11/27/2013	D52763-1	Hexachlorobenzene (2274)	118-74-1	E508	1	0.0055	BDL
11/20/2013	11/27/2013	D52763-1	Hexachlorocyclopentadiene (2042)	77-47-4	E508	50	0.08	BDL
11/20/2013	11/27/2013	D52763-1	Lindane/BHC-Gamma (2010)	58-89-9	E508	0.2	0.0065	BDL
11/20/2013	11/27/2013	D52763-1	Methoxychlor (2015)	72-43-5	E508	40	0.0095	BDL
11/20/2013	11/22/2013	D52763-1	Oxamyl (2036)	23135-22-0	E531.1	200	0.25	BDL
11/20/2013	11/24/2013	D52763-1	Pentachlorophenol (2326)	87-86-5	E515.4	1	0.04	BDL
11/20/2013	11/24/2013	D52763-1	Picloram (2040)	1918-02-1	E515.4	500	0.1	BDL
11/20/2013	11/27/2013	D52763-1	Polychlorinated Biphenyls (2383)	1336-36-3	E508	0.5	0.1	BDL
11/20/2013	11/26/2013	D52763-1	Simazine (2037)	122-34-9	E525.2	4	0.067	BDL
11/20/2013	11/27/2013	D52763-1	Toxaphene (2020)	8001-35-2	E508	3	0.54	BDL

D52763 ACCUTEST LABORATORIES 30 of 30

Organic Chemicals Certified Laboratory Report Form

WQCD - Drinking Water CAS
4300 Cherry Creek Drive South; Denver, CO 80246-1530
Fax: (303) 758-1398cdphe.drinkingwater@state.co.us

Revision: 6/14/13

VOC / SOC

Section I (Completed by the Public Water Systems only)		Section II (Completed by Certified Laboratories only)	
Public Water System Information		Certified Laboratory Information	
PWSID#: CO 0121175		Laboratory ID: CO00049	
System Name: Donala Water & Sanitation District		Laboratory Name: Accutest Mountain States	
Contact Person: Dana C. Duthie	Phone: (719) 488-3603	Contact Person:	Phone: (303)425-6021
Comments:	Do Samples need to be composited BY THE LAB? ☐	Comments:	
		Scott Heideman	Lab Director 12/5/2013
		Laboratory Authorized Signature Printed Name	Title Date

Section III (Completed by Public Water Systems Only)			Section IV (Completed by Certified Laboratories Only)
Sample Date: 11/20/2013	Collector: MP	Facility ID:	Sample Pt ID: CSU TIE IN

Section IV Volatile Organic Chemicals (Completed by Certified Laboratory)

Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No.	Analytical Method	MCL (ug/L)	Lab MDL (ug/L)	Result (ug/L)
11/20/2013	11/25/2013	D52763-1	1,1,1-Trichloroethane (2981)	71-55-6	E524.2	200	0.5	BDL
11/20/2013	11/25/2013	D52763-1	1,1,2-Trichloroethane (2985)	79-00-5	E524.2	5	0.5	BDL
11/20/2013	11/25/2013	D52763-1	1,1-Dichloroethylene (2977)	75-35-4	E524.2	7	0.5	BDL
11/20/2013	11/25/2013	D52763-1	1,2,4-Trichlorobenzene (2378)	120-82-1	E524.2	70	0.5	BDL
11/20/2013	11/25/2013	D52763-1	1,2-Dichloroethane (2980)	107-06-2	E524.2	5	0.5	BDL
11/20/2013	11/25/2013	D52763-1	1,2-Dichloropropane (2983)	78-87-5	E524.2	5	0.5	BDL
11/20/2013	11/25/2013	D52763-1	Benzene (2990)	71-43-2	E524.2	5	0.5	BDL
11/20/2013	11/25/2013	D52763-1	Carbon Tetrachloride (2982)	56-23-5	E524.2	5	0.5	BDL
11/20/2013	11/25/2013	D52763-1	Chlorobenzene (2989)	108-90-7	E524.2	100	0.5	BDL
11/20/2013	11/25/2013	D52763-1	cis-1,2-Dichloroethylene (2380)	156-59-2	E524.2	70	0.5	BDL
11/20/2013	11/25/2013	D52763-1	Dichloromethane (2964)	75-09-2	E524.2	5	0.5	BDL
11/20/2013	11/25/2013	D52763-1	Ethylbenzene (2992)	100-41-4	E524.2	700	0.5	BDL
11/20/2013	11/25/2013	D52763-1	o-Dichlorobenzene (2968)	95-50-1	E524.2	600	0.5	BDL
11/20/2013	11/25/2013	D52763-1	para-Dichlorobenzene (2969)	106-46-7	E524.2	75	0.5	BDL
11/20/2013	11/25/2013	D52763-1	Styrene (2996)	100-42-5	E524.2	100	0.5	BDL
11/20/2013	11/25/2013	D52763-1	Tetrachloroethylene (2987)	127-18-4	E524.2	5	0.5	BDL
11/20/2013	11/25/2013	D52763-1	Toluene (2991)	108-88-3	E524.2	1,000	0.5	BDL
11/20/2013	11/25/2013	D52763-1	trans-1,2-Dichloroethylene (2979)	156-60-5	E524.2	100	0.5	BDL
11/20/2013	11/25/2013	D52763-1	Trichloroethylene (2984)	79-01-6	E524.2	5	0.5	BDL
11/20/2013	11/25/2013	D52763-1	Vinyl chloride (2976)	75-01-4	E524.2	2	0.5	BDL
11/20/2013	11/25/2013	D52763-1	Xylenes - Total (2955)	1330-20-7	E524.2	10,000	0.5	BDL

Section V (Completed by Public Water System)		
PWSID#: CO 0121175	Facility ID:	Sample Pt ID (On Schedule): CSU TIE IN
Sample Date: 11/20/2013	Collector: MP	

ection VI Synthetic Organic Chemicals (Completed by Certified Laborator)

Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No.	Analytical Method	MCL (ug/L)	Lab MDL (ug/L)	Result (ug/L)
11/20/2013	11/21/2013	D52763-1	1,2-Dibromo-3-chloropropane	96-12-8	E504.1	0.2	0.0088	BDL
11/20/2013	11/24/2013	D52763-1	2,4-D (2105)	94-75-7	E515.4	70	0.1	BDL
11/20/2013	11/24/2013	D52763-1	2,4,5-TP (2110)	93-72-1	E515.4	50	0.2	BDL
11/20/2013	11/26/2013	D52763-1	Alachlor (2051)	15972-60-8	E525.2	2	0.19	BDL
11/20/2013	11/22/2013	D52763-1	Aldicarb (2047)	116-06-3	E531.1	N/A	0.26	BDL
11/20/2013	11/22/2013	D52763-1	Aldicarb sulfone (2044)	1646-88-4	E531.1	N/A	0.25	BDL
11/20/2013	11/22/2013	D52763-1	Aldicarb sulfoxide (2043)	1646-87-3	E531.1	N/A	0.25	BDL
11/20/2013	11/26/2013	D52763-1	Atrazine (2050)	1912-24-9	E525.2	3	0.096	BDL
11/20/2013	11/26/2013	D52763-1	Benzo(a)pyrene (2306)	50-32-8	E525.2	0.2	0.019	BDL
11/20/2013	11/22/2013	D52763-1	Carbofuran (2046)	1563-66-2	E531.1	40	0.25	BDL
11/20/2013	11/27/2013	D52763-1	Chlordane (2959)	12789-03-6	E508	2	0.19	BDL
11/20/2013	11/24/2013	D52763-1	Dalapon (2031)	75-99-0	E515.4	200	1	BDL
11/20/2013	11/26/2013	D52763-1	Di(2-ethylhexyl)adipate (2035)	103-23-1	E525.2	400	0.57	BDL
11/20/2013	11/26/2013	D52763-1	Di(2-ethylhexyl)phthalate (2039)	117-81-7	E525.2	6	0.57	BDL
11/20/2013	11/24/2013	D52763-1	Dinoseb (2041)	88-85-7	E515.4	7	0.2	BDL
11/20/2013	12/2/2013	D52763-1	Diquat (2032)	85-00-7	E549.2	20	0.25	BDL
11/20/2013	11/27/2013	D52763-1	Endothall (2033)	145-73-3	E548.1	100	3.2	BDL
11/20/2013	11/27/2013	D52763-1	Endrin (2005)	72-20-8	E508	2	0.0055	BDL
11/20/2013	11/21/2013	D52763-1	Ethylene Dibromide (2946)	106-93-4	E504.1	0.05	0.0078	BDL
11/20/2013	11/27/2013	D52763-1	Heptachlor (2065)	76-44-8	E508	0.4	0.0095	BDL
11/20/2013	11/27/2013	D52763-1	Heptachlor Epoxide (2067)	1024-57-3	E508	0.2	0.0065	BDL
11/20/2013	11/27/2013	D52763-1	Hexachlorobenzene (2274)	118-74-1	E508	1	0.0055	BDL
11/20/2013	11/27/2013	D52763-1	Hexachlorocyclopentadiene (2042)	77-47-4	E508	50	0.08	BDL
11/20/2013	11/27/2013	D52763-1	Lindane/BHC-Gamma (2010)	58-89-9	E508	0.2	0.0065	BDL
11/20/2013	11/27/2013	D52763-1	Methoxychlor (2015)	72-43-5	E508	40	0.0095	BDL
11/20/2013	11/22/2013	D52763-1	Oxamyl (2036)	23135-22-0	E531.1	200	0.25	BDL
11/20/2013	11/24/2013	D52763-1	Pentachlorophenol (2326)	87-86-5	E515.4	1	0.04	BDL
11/20/2013	11/24/2013	D52763-1	Picloram (2040)	1918-02-1	E515.4	500	0.1	BDL
11/20/2013	11/27/2013	D52763-1	Polychlorinated Biphenyls (2383)	1336-36-3	E508	0.5	0.1	BDL
11/20/2013	11/26/2013	D52763-1	Simazine (2037)	122-34-9	E525.2	4	0.067	BDL
11/20/2013	11/27/2013	D52763-1	Toxaphene (2020)	8001-35-2	E508	3	0.54	BDL

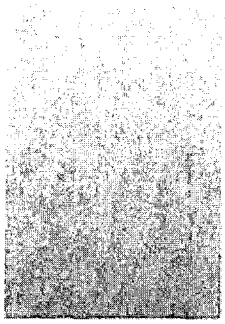
ACCUTEST LABORATORIES
D52763

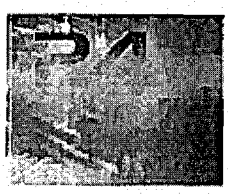
MONITORING OF RADIOLOGIC PARAMETERS 2012 & 2013

Mountain States ACCUTEST LABORATORIES

06/10/13

COPY





Technical Report for

Donala Water & Sanitation District

PWSID CO0121175 Donala W&S District

Accutest Job Number: D46267X

Sampling Date: 05/15/13

Report to:

Donala Water & Sanitation District
15850 Holbein Drive
Colorado Springs, CO 80921
mark@donalawater.com

ATTN: Mark Parker

Total number of pages in report: 14

Per the COC, results were NOT sent to CDPHE.

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Scott Heideman
Laboratory Director

Client Service contact: Renea Jackson 303-425-6021

Certifications: CO (CO00049), ID, NE (CO00049), ND (R-027), NJ (CO 0007), OK (D9942), UT (NELAP CO00049), TX (T104704511)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories. Test results relate only to samples analyzed.

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

DATE	June 5, 2013
HRI PROJECT	009-93
HRI SERIES NO	E314/13
DATE RECD	5/17/2013
CUST. P.O.#	D46267X

Accutest Mountain States
Ann Doerr
4036 Youngfield St
Wheat Ridge, CO 80033

REPORT OF ANALYSIS

SAMPLE NO: E314/13-1

SAMPLE IDENTIFICATION: D46267X-1 - Donala Water & Sanitation District
15850 Holbein Drive, Colorado Springs, CO 80921
PWSID# CO0121175 - Well #4A - Sampled on 05/15/2013 @ 1100 by Mark Parker

PARAMETER	RESULT	DETECTION LIMIT	METHOD	ANALYSIS DATE	ANALYST
Gross Alpha (+-Precision*), pCi/l (T)	5.7(+-2.6)	1.3	SM 7110 B	5/22/2013 @ 0837	AN
Gross Alpha (+-Precision*), pCi/l (T)***	5.7(+-2.6)	1.3	SM 7110 B	5/22/2013 @ 0837	AN
Radium-226 (+-Precision*), pCi/l (T)	2.9(+-0.6)	0.1	SM 7500-Ra B	5/28/2013 @ 1142	AN/EH
Radium-228 (+-Precision*), pCi/l (T)	3.8(+-0.8)	0.5	EPA Ra-05	5/21/2013 @ 1036	EH
Total Solids, mg/l	206	10	EPA 160.3	5/31/2013	DP
Uranium, pCi/l (T)**	<0.5	0.5	ASTM D2907-97	5/20/2013 @ 1738	DP
Uranium, ug/l (T)	<0.7	0.7	ASTM D2907-97	5/20/2013 @ 1738	DP

*Variability of the radioactive decay process (counting error) at the 95% confidence level, 1.96 sigma.
Certification ID's: CO/EPA CO00008; CT PH-0152; KS E-10265; NYELAP 11417;
PADEP 68-00551; RI LAD00284; TX T104704256-11-2; WI 998376810

**Uranium results reported assuming the activity of natural U = 6.77 x 10-7 Ci/gm.
***Less Radon and Uranium.

Results reported herein relate only to discrete samples submitted by the client. Hazen Research, Inc. does not warrant that the results are representative of anything other than the samples that were received in the laboratory.

CODES: (T) = Total (D) = Dissolved (S) = Suspended (R) = Total Recoverable
(PD) = Potentially Dissolved < = Less Than

By: _____
Robert Rostad
Director, Analytical Services

An Employee-Owned Company

D46267X: Chain of Custody
Page 3 of 10

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

DATE	June 5, 2013
HRI PROJECT	009-93
HRI SERIES NO	E314/13
DATE RECD	5/17/2013
CUST. P.O.#	D46267X

Accutest Mountain States
Ann Doerr
4036 Youngfield St
Wheat Ridge, CO 80033

REPORT OF ANALYSIS

SAMPLE NO. E314/13-2

SAMPLE IDENTIFICATION: D46267X-2 - Donala Water & Sanitation District
15850 Holbein Drive, Colorado Springs, CO 80921
PWSID# CO0121175 - Well 7D - Sampled on 05/15/2013 @ 1045 by Mark Parker

PARAMETER	RESULT	DETECTION LIMIT	METHOD	ANALYSIS DATE	ANALYST
Gross Alpha (+-Precision*), pCi/l (T)	8.0(+-3.3)	1.7	SM 7110 B	5/22/2013 @ 0839	AN
Gross Alpha (+-Precision*), pCi/l (T)***	8.0(+-3.3)	1.7	SM 7110 B	5/22/2013 @ 0839	AN
Radium-226 (+-Precision*), pCi/l (T)	2.4(+-0.5)	0.1	SM 7500-Ra B	5/28/2013 @ 1144	AN/EH
Radium-228 (+-Precision*), pCi/l (T)	3.6(+-0.8)	0.5	EPA Ra-05	5/21/2013 @ 1037	EH
Total Solids, mg/l	236	10	EPA 160.3	5/31/2013	DP
Uranium, pCi/l (T)**	<0.5	0.5	ASTM D2907-97	5/20/2013 @ 1739	DP
Uranium, ug/l (T)	<0.7	0.7	ASTM D2907-97	5/20/2013 @ 1739	DP

*Variability of the radioactive decay process (counting error) at the 95% confidence level, 1.96 sigma.
Certification ID's: CO/EPA CO00008; CT PH-0152; KS E-10285; NYELAP 11417;
PADEP 68-00551; RI LA000284; TX T104704256-11-2; WI 998378610

**Uranium results reported assuming the activity of natural U = 6.77 x 10-7 Ci/gm.
***Less Radon and Uranium.

By: _____
Robert Rostad
Director, Analytical Services

Results reported herein relate only to discrete samples submitted by the client. Hazen Research, Inc. does not warrant that the results are representative of anything other than the samples that were received in the laboratory.

CODES: (T) = Total (D) = Dissolved (S) = Suspended (R) = Total Recoverable
(PD) = Potentially Dissolved < = Less Than

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

DATE	June 5, 2013
HRI PROJECT	009-93
HRI SERIES NO	E314/13
DATE RECD.	5/17/2013
CUST. P.O.#	D46267X

Accutest Mountain States
Ann Doerr
4036 Youngfield St
Wheat Ridge, CO 80033

REPORT OF ANALYSIS

SAMPLE NO. E314/13-3

SAMPLE IDENTIFICATION: D46267X-3 - Donala Water & Sanitation District
15850 Holbein Drive, Colorado Springs, CO 80921
PWSID# CO0121175 - Well 8A - Sampled on 05/15/2013 @ 1000 by Mark Parker

PARAMETER	RESULT	DETECTION LIMIT	METHOD	ANALYSIS DATE	ANALYST
Gross Alpha (+-Precision*), pCi/l (T)	3.8(+-2.3)	1.4	SM 7110 B	5/22/2013 @ 0841	AN
Gross Alpha (+-Precision*), pCi/l (T)***	3.8(+-2.3)	1.4	SM 7110 B	5/22/2013 @ 0841	AN
Radium-226 (+-Precision*), pCi/l (T)	1.8(+-0.5)	0.1	SM 7500-Ra B	5/28/2013 @ 1147	AN/EH
Radium-228 (+-Precision*), pCi/l (T)	3.5(+-0.7)	0.5	EPA Ra-05	5/21/2013 @ 1038	EH
Total Solids, mg/l	178	10	EPA 160.3	5/31/2013	DP
Uranium, pCi/l (T)**	<0.5	0.5	ASTM D2907-97	5/20/2013 @ 1740	DP
Uranium, ug/l (T)	<0.7	0.7	ASTM D2907-97	5/20/2013 @ 1740	DP

*Variability of the radioactive decay process (counting error) at the 95% confidence level, 1.96 sigma.
Certification ID's: CO/EPA CO00008; CT PH-0152; KS E-10285; NYELAP 11417;
PADEP 68-00551; RI LA000284; TX T104704256-11-2; WI 998376810

**Uranium results reported assuming the activity of natural U = 6.77 x 10-7 Ci/gm.
***Less Radon and Uranium.

By: _____
Robert Roslad
Director, Analytical Services

Results reported herein relate only to discrete samples submitted by the client. Hazen Research, Inc. does not warrant that the results are representative of anything other than the samples that were received in the laboratory.

CODES: (T) = Total (D) = Dissolved (S) = Suspended (R) = Total Recoverable
(PD) = Potentially Dissolved < = Less Than

An Employee-Owned Company

2.1

D46267X: Chain of Custody
Page 5 of 10

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

DATE	June 5, 2013
HRI PROJECT	009-93
HRI SERIES NO	E314/13
DATE REC'D.	5/17/2013
CUST. P.O.#	D46267X

Accutest Mountain States
Ann Doerr
4036 Youngfield St
Wheat Ridge, CO 80033

REPORT OF ANALYSIS

SAMPLE NO. E314/13-4

SAMPLE IDENTIFICATION: D46267X-4 - Donala Water & Sanitation District
15850 Holbein Drive, Colorado Springs, CO 80921
PWSID# CO0121175 - Well 12A - Sampled on 05/15/2013 @ 1015 by Mark Parker

PARAMETER	RESULT	DETECTION LIMIT	METHOD	ANALYSIS DATE	ANALYST
Gross Alpha (+-Precision*), pCi/l (T)	8.5(+-2.9)	1.0	SM 7110 B	5/22/2013 @ 0843	AN
Gross Alpha (+-Precision*), pCi/l (T)***	8.5(+-2.9)	1.0	SM 7110 B	5/22/2013 @ 0843	AN
Radium-226 (+-Precision*), pCi/l (T)	3.3(+-0.8)	0.1	SM 7500-Ra B	5/28/2013 @ 1154	AN/EH
Radium-228 (+-Precision*), pCi/l (T)	3.1(+-0.8)	0.6	EPA Ra-05	5/21/2013 @ 1039	EH
Total Solids, mg/l	188	10	EPA 160.3	5/31/2013	DP
Uranium, pCi/l (T)**	<0.5	0.5	ASTM D2907-97	5/20/2013 @ 1741	DP
Uranium, ug/l (T)	<0.7	0.7	ASTM D2907-97	5/20/2013 @ 1741	DP

*Variability of the radioactive decay process (counting error) at the 95% confidence level, 1.96 sigma.
Certification ID's: CO/EPA CO00008; CT PH-0152; KS E-10265; NYELAP 11417;
PADEP 68-00551; RI LA000284; TX T104704256-11-2; WI 998376610

**Uranium results reported assuming the activity of natural U = 6.77 x 10-7 Ci/gm.
***Less Radon and Uranium.

Results reported herein relate only to discrete samples submitted by the client. Hazen Research, Inc. does not warrant that the results are representative of anything other than the samples that were received in the laboratory.

CODES: (T) = Total (D) = Dissolved (S) = Suspended (R) = Total Recoverable
(PD) = Potentially Dissolved < = Less Than

By: _____
Robert Roslad
Director, Analytical Services

An Employee-Owned Company

D46267X: Chain of Custody
Page 6 of 10

Colorado Department of Public Health and Environment
Compliance Assurance & Data Management Unit

REPORTING FORM FOR RADIONUCLIDE ANALYSIS

Sampler: Please Complete a Separate Form for Each Sample

Are these results to be used to fulfill compliance monitoring requirements? YES ☐ or NO ☒
Is this a check or confirmation sample? ☒ YES ☐ NO

PWSID: CO 0121175 COUNTY: El Paso DATE COLLECTED: 05 / 15 / 2013

SYSTEM NAME: Donala Water & Sanitation District

SYSTEM MAILING ADDRESS: 15850 Holbein Dr. (Street address/PO Box) Colorado Springs (CITY) CO (STATE) 80921 (ZIP)

CONTACT PERSON: Dana C. Duthie PHONE: (719) 488 3603

SAMPLE COLLECTED BY: Mark Parker TIME COLLECTED: 1100 am/pm

ENTRY POINT (Finished Water) SAMPLE ☐ SOURCE WATER (Raw Water) SAMPLE ☒

FOR ENTRY POINT SAMPLE PLEASE INDICATE: Chlorinated ☐ Other Treatment ☐
Finished – Not Treated (No chlorine or other treatment) ☐

STATE ENTRY POINT CODE: EP SOURCE(S) REPRESENTED: Well #4A

DO SAMPLES NEED TO BE COMPOSITED BY THE LABORATORY? YES ☐ NO ☒

For Laboratory Use Only Below This Line

LABORATORY SAMPLE # 13141/13-1 CLIENT NAME or ID# Accutest Mountain States

LABORATORY NAME: Hazen Research, Inc.

LAB PHONE # (303) 279 4501 DATE RECEIVED IN LABORATORY: 05 / 17 / 2013

COMMENTS:

PARAMETER	RESULT	UNITS	MCL	STANDARD METHOD	LAB MDL	REGULATORY MDL	DATE ANALYZED
Gross Alpha (4002)	5.7±2.6	pCi/L	15 pCi/L	SM 7110 B	1.3 pCi/L	3 pCi/L	05 / 22 / 2013
Radium 226 (4020)	2.9±0.6	pCi/L	Ra-226+228= 5 pCi/L	SM 7500-Ra B	0.1 pCi/L	1 pCi/L	05 / 28 / 2013
Radium 228 (4030)	3.8±0.8	pCi/L	Ra-226+228= 5 pCi/L	EPA Ra-05	0.5 pCi/L	1 pCi/L	05 / 21 / 2013
Uranium (4006)	<0.7	µg/L	30 µg/L	ASTM D2907-97	0.7 µg/L	1 µg/L	05 / 20 / 2013
Screening Gross Beta (4100)		pCi/L	Trigger level = 50 pCi/L		pCi/L	4 pCi/L	
Total Solids (1930)	206	mg/L	SMCL* = 500 mg/L	EPA 160.3	10 mg/L	N/A	05 / 31 / 2013

Secondary Maximum Contaminant Level – Non-enforceable Standard

Robert Rostad Laboratory Manager 06 / 05 / 2013
Laboratory Results Reviewed & Approved by Title Date

MAIL RESULTS TO: CDPHE, WQCD-CADM
4300 Cherry Creek Drive South
Denver, CO 80246-1530

FAX: 303-782-0390

For State Use ONLY

4000 Compliance Alpha
4010 Combined Radium-226+228
4006 Uranium

2.1 2

D46267X: Chain of Custody
Page 7 of 10

11 of 14
ACCUTEST LABORATORIES
D46267X

Colorado Department of Public Health and Environment
Compliance Assurance & Data Management Unit

REPORTING FORM FOR RADIONUCLIDE ANALYSIS

Sampler: Please Complete a Separate Form for Each Sample

Are these results to be used to fulfill compliance monitoring requirements? YES ☐ or NO ☒
Is this a check or confirmation sample? ☒ YES ☐ NO

PWSID: CO 0121175 COUNTY: El Paso DATE COLLECTED: 05 / 15 / 2013

SYSTEM NAME: Donala Water & Sanitation District

SYSTEM MAILING ADDRESS: 15850 Holbein Dr. (Street address/PO Box) Colorado Springs (CITY) CO (STATE) 80921 (ZIP)

CONTACT PERSON: Dana C. Duthie PHONE: (719) 488 3603

SAMPLE COLLECTED BY: Mark Parker TIME COLLECTED: 1045 am/pm

ENTRY POINT (Finished Water) SAMPLE ☐ SOURCE WATER (Raw Water) SAMPLE ☒

FOR ENTRY POINT SAMPLE PLEASE INDICATE: Chlorinated ☐ Other Treatment ☐
Finished – Not Treated (No chlorine or other treatment) ☐

STATE ENTRY POINT CODE: EP SOURCE(S) REPRESENTED: Well 7D

DO SAMPLES NEED TO BE COMPOSITED BY THE LABORATORY? YES ☐ NO ☒

For Laboratory Use Only Below This Line

LABORATORY SAMPLE # E314/13-2 CLIENT NAME or ID# Accutest Mountain States

LABORATORY NAME: Hazen Research, Inc.

LAB PHONE # (303) 279 4501 DATE RECEIVED IN LABORATORY: 05 / 17 / 2013

COMMENTS:

PARAMETER	RESULT	UNITS	MCL	STANDARD METHOD	LAB MDL	REGULATORY MDL	DATE ANALYZED
Gross Alpha (4002)	8.0±3.3	pCi/L	15 pCi/L	SM 7110 B	1.7 pCi/L	3 pCi/L	05 / 22 / 2013
Radium 226 (4020)	2.4±0.5	pCi/L	Ra-226+228= 5 pCi/L	SM 7500-Ra B	0.1 pCi/L	1 pCi/L	05 / 28 / 2013
Radium 228 (4030)	3.6±0.8	pCi/L	Ra-226+228= 5 pCi/L	EPA Ra-05	0.5 pCi/L	1 pCi/L	05 / 21 / 2013
Uranium (4006)	<0.7	µg/L	30 µg/L	ASTM D2907-97	0.7 µg/L	1 µg/L	05 / 20 / 2013
Screening Gross Beta (4100)		pCi/L	Trigger level = 50 pCi/L		pCi/L	4 pCi/L	
Total Solids (1930)	236	mg/L	SMCL* = 500 mg/L	EPA 160.3	10 mg/L	N/A	05 / 31 / 2013

Secondary Maximum Contaminant Level – Non-enforceable Standard

Robert Rostad Laboratory Manager 06 / 05 / 2013
Laboratory Results Reviewed & Approved by Title Date

MAIL RESULTS TO: CDPHE, WQCD-CADM
4300 Cherry Creek Drive South
Denver, CO 80246-1530

FAX: 303-782-0390

For State Use ONLY

4000 Compliance Alpha

4010 Combined Radium-226+228

4006 Uranium

D46267X: Chain of Custody
Page 8 of 10

12 of 14
ACCUTEST LABORATORIES
D46267X

2.1 2

Colorado Department of Public Health and Environment
Compliance Assurance & Data Management Unit

REPORTING FORM FOR RADIONUCLIDE ANALYSIS

Sampler: Please Complete a Separate Form for Each Sample

Are these results to be used to fulfill compliance monitoring requirements? YES ☐ or NO ☒
Is this a check or confirmation sample? ☒ YES ☐ NO

PWSID: CO 0121175 COUNTY: El Paso DATE COLLECTED: 05 / 15 / 2013

SYSTEM NAME: Donala Water & Sanitation District

SYSTEM MAILING ADDRESS: 15850 Holbein Dr. (street address/PO Box) Colorado Springs (CITY) CO (STATE) 80921 (ZIP)

CONTACT PERSON: Dana C. Duthie PHONE: (719) 488 3603

SAMPLE COLLECTED BY: Mark Parker TIME COLLECTED: 1000 am/pm

ENTRY POINT (Finished Water) SAMPLE ☐ SOURCE WATER (Raw Water) SAMPLE ☒

FOR ENTRY POINT SAMPLE PLEASE INDICATE: Chlorinated ☐ Other Treatment ☐
Finished – Not Treated (No chlorine or other treatment) ☐

STATE ENTRY POINT CODE: EP_____ SOURCE(S) REPRESENTED: Well 8A

DO SAMPLES NEED TO BE COMPOSITED BY THE LABORATORY? YES ☐ NO ☒

For Laboratory Use Only Below This Line

LABORATORY SAMPLE # E314713-3 CLIENT NAME or ID# Accutest Mountain States

LABORATORY NAME: Hazen Research, Inc.

LAB PHONE # (303) 279 4501 DATE RECEIVED IN LABORATORY: 05 / 17 / 2013

COMMENTS: _____

PARAMETER	RESULT	UNITS	MCL	STANDARD METHOD	LAB MDL	REGULATORY MDL	DATE ANALYZED
Gross Alpha (4002)	3.8±2.3	pCi/L	15 pCi/L	SM 7110 B	1.4 pCi/L	3 pCi/L	05 / 22 / 2013
Radium 226 (4020)	1.8±0.5	pCi/L	Ra-226+228= 5 pCi/L	SM 7500-Ra B	0.1 pCi/L	1 pCi/L	05 / 28 / 2013
Radium 228 (4030)	3.5±0.7	pCi/L	Ra-226+228= 5 pCi/L	EPA Ra-05	0.5 pCi/L	1 pCi/L	05 / 21 / 2013
Uranium (4006)	<0.7	µg/L	30 µg/L	ASTM D2907-97	0.7 µg/L	1 µg/L	05 / 20 / 2013
Screening Gross Beta (4100)		pCi/L	Trigger level = 50 pCi/L		pCi/L	4 pCi/L	
Total Solids (9030)	178	mg/L	SMCL* = 500 mg/L	EPA 160.3	10 mg/L	N/A	05 / 31 / 2013

Secondary Maximum Contaminant Level – Non-enforceable Standard

Laboratory Results Reviewed & Approved by Robert Rostad Title: Laboratory Manager Date: 06 / 05 / 2013

MAIL RESULTS TO: CDPHE, WQCD-CADM
4300 Cherry Creek Drive South
Denver, CO 80246-1530

FAX: 303-782-0390

For State Use ONLY

4000 Compliance Alpha_____ 4010 Combined Radium-226+228_____ 4006 Uranium_____

D46267X: Chain of Custody
Page 9 of 10

Colorado Department of Public Health and Environment
Compliance Assurance & Data Management Unit

REPORTING FORM FOR RADIONUCLIDE ANALYSIS

Sampler: Please Complete a Separate Form for Each Sample

Are these results to be used to fulfill compliance monitoring requirements? YES ☐ or NO ☒
Is this a check or confirmation sample? ☒ YES ☐ NO

PWSID: CO 0121175 COUNTY: El Paso DATE COLLECTED: 05 / 15 / 2013

SYSTEM NAME: Donala Water & Sanitation District

SYSTEM MAILING ADDRESS: 15850 Holbein Dr. (Street Address or PO Box) Colorado Springs (CITY) CO (STATE) 80926 (ZIP)

CONTACT PERSON: Dana C. Duthie PHONE: (719) 488 3603

SAMPLE COLLECTED BY: Mark Parker TIME COLLECTED: 1015 am/pm

ENTRY POINT (Finished Water) SAMPLE ☐ SOURCE WATER (Raw Water) SAMPLE ☒

FOR ENTRY POINT SAMPLE PLEASE INDICATE: Chlorinated ☐ Other Treatment ☐
Finished – Not Treated (No chlorine or other treatment) ☐

STATE ENTRY POINT CODE: EP SOURCE(S) REPRESENTED: Well 12A

DO SAMPLES NEED TO BE COMPOSITED BY THE LABORATORY? YES ☐ NO ☒

For Laboratory Use Only Below This Line

LABORATORY SAMPLE # E314/13-4 CLIENT NAME or ID# Accutest Mountain States

LABORATORY NAME: Hazen Research, Inc.

LAB PHONE # (303) 279 4501 DATE RECEIVED IN LABORATORY: 05 / 17 / 2013

COMMENTS:

PARAMETER	RESULT	UNITS	MCL	STANDARD METHOD	LAB MDL	REGULATORY MDL	DATE ANALYZED
Gross Alpha (4002)	8.5±2.9	pCi/L	15 pCi/L	SM 7110 B	1.0 pCi/L	3 pCi/L	05 / 22 / 2013
Radium 226 (4020)	3.3±0.8	pCi/L	Ra-226+228= 5 pCi/L	SM 7500-Ra B	0.1 pCi/L	1 pCi/L	05 / 28 / 2013
Radium 228 (4030)	3.1±0.8	pCi/L	Ra-226+228= 5 pCi/L	EPA Ra-05	0.6 pCi/L	1 pCi/L	05 / 21 / 2013
Uranium (4006)	<0.7	µg/L	30 µg/L	ASTM D2907-97	0.7 µg/L	1 µg/L	05 / 20 / 2013
Screening Gross Beta (4100)		pCi/L	Trigger level = 50 pCi/L		pCi/L	4 pCi/L	
Total Solids (1930)	188	mg/L	SMCL* = 500 mg/L	EPA 160.3	10 mg/L	N/A	05 / 31 / 2013

Secondary Maximum Contaminant Level – Non-enforceable Standard

Robert Rosnad Laboratory Manager 06 / 05 / 2013
Laboratory Results Reviewed & Approved by Title Date

MAIL RESULTS TO: CDPHE, WQCD-CADM
4300 Cherry Creek Drive South
Denver, CO 80246-1530

FAX: 303-782-0390

For State Use ONLY

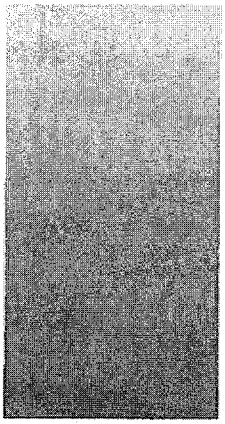
4000 Compliance Alpha 4010 Combined Radium-226+228 4006 Uranium

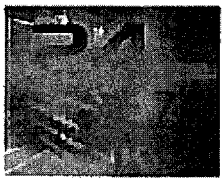
D46267X: Chain of Custody
Page 10 of 10

e-Hardcopy 2.0
Automated Report

Mountain States ACCUTEST LABORATORIES

09/16/13





Technical Report for

Donala Water & Sanitation District

PWSID CO0121175 Donala W&S District

Accutest Job Number: D49675X

Sampling Date: 08/21/13

Report to:

Donala Water & Sanitation District
15850 Holbein Drive
Colorado Springs, CO 80921
markp@donalawater.com

ATTN: Mark Parker

Total number of pages in report: **22**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Scott Heideman
Laboratory Director

Client Service contact: Renea Jackson 303-425-6021

Certifications: CO (CO00049), ID, NE (CO00049), ND (R-027), NJ (CO 0007), OK (D9942), UT (NELAP CO00049), TX (T104704511)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories. Test results relate only to samples analyzed.

Colorado Department of Public Health and Environment
Compliance Assurance & Data Management Section

REPORTING FORM FOR RADIONUCLIDE ANALYSIS

PWSID CO0 121175

SYSTEMS NAME: Donala Water & Sanitation District

SYSTEM MAILING ADDRESS: 15850 Holbein Drive (Street address/PO Box) Colorado Springs (CITY) CO (STATE) 80921 (ZIP)

CONTACT PERSON: Mark D. Parker PHONE: (719) 488 3603

LABORATORY SAMPLE #: H318/13-1

Is this a Composite sample? YES ☐ NO ☒ (Only samples composited BY THE LABORATORY may be used for compliance.)

DATE COLLECTED: 08 / 21 / 2013 TIME COLLECTED: 0945 am/pm

DATE COLLECTED: / / TIME COLLECTED: am/pm

STATE SAMPLING POINT CODE : Well D

LABORATORY NAME: Hazen Research, Inc.

LAB PHONE # (303) 279 4501 DATE RECEIVED IN LABORATORY: 08 / 23 / 2013

CLIENT NAME or ID# Accutest Mountain States

SAMPLE COLLECTED BY: Mark Parker

COMMENTS:

[Highlighted rows are for state use only]

PARAMETER	RESULT	UNITS	MCL	STANDARD METHOD	LAB MDL	REGULATORY MDL	DATE ANALYZED
(4000)		pCi/L	15 pCi/L				
Gross Alpha (4002)	6.0±2.8	pCi/L		SM 7110 B	1.1 pCi/L	3 pCi/L	09 / 09 / 2013
Uranium (4006)	<0.7	µg/L	30 µg/L	ASTM D2907-97	0.7 µg/L	1 µg/L	09 / 04 / 2013
Radium 226 (4020)	1.9±0.6	pCi/L		SM 7500-Ra B	0.2 pCi/L	1 pCi/L	08 / 27 / 2013
Radium 228 (4030)	5.6±0.9	pCi/L		EPA Ra-05	0.6 pCi/L	1 pCi/L	09 / 03 / 2013
(4100)		pCi/L	50 pCi/L				
Gross Beta (4100)		pCi/L	4 mrem/yr		2.1 pCi/L	4 pCi/L	
Total Dissolved Solids (1930)	292	mg/L	SMCL* = 500 mg/L	EPA 160.3	10 mg/L	N/A	08 / 27 / 2013

* Secondary Maximum Contaminant Level – Non-enforceable Standard

Laboratory Results Reviewed & Approved by — Robert Rostad — Director, Analytical Services — 09 / 10 / 2013

(Title) (Date)

MAIL RESULTS TO: CDPHE, WQCD-CADM
ATTN: CADM
4300 Cherry Creek Drive South
Denver, CO 80246-1530

OR FAX: 303-782-0390

Rad Report Form Version 7 020208

Colorado Department of Public Health and Environment
Compliance Assurance & Data Management Section

REPORTING FORM FOR RADIONUCLIDE ANALYSIS

PWSID CO0 121175

SYSTEMS NAME: Donala Water & Sanitation District

SYSTEM MAILING ADDRESS: 15850 Holbein Drive (Street address/PO Box) Colorado Springs (CITY) CO (STATE) 80921 (ZIP)

CONTACT PERSON: Mark D. Parker PHONE: (719) 488 3603

LABORATORY SAMPLE #: H318/13-2

Is this a Composite sample? YES ☐ NO ☒ (Only samples composited BY THE LABORATORY may be used for compliance.)

DATE COLLECTED: 08 / 21 / 2013 TIME COLLECTED: 0945 am/pm

DATE COLLECTED: / / TIME COLLECTED: am/pm

STATE SAMPLING POINT CODE : Well 14A

LABORATORY NAME: Hazen Research, Inc.

LAB PHONE # (303) 279 4501 DATE RECEIVED IN LABORATORY: 08 / 23 / 2013

CLIENT NAME or ID# Accutest Mountain States

SAMPLE COLLECTED BY: Mark Parker

COMMENTS:

[Highlighted rows are for state use only]

PARAMETER	RESULT	UNITS	MCL	STANDARD METHOD	LAB MDL	REGULATORY MDL	DATE ANALYZED
(4000)		pCi/L	4 mrem/yr				
Gross Alpha (4002)	20±5	pCi/L		SM 7110 B	1.6 pCi/L	3 pCi/L	09 / 09 / 2013
Uranium (4006)	<0.7	µg/L	30 µg/L	ASTM D2907-97	0.7 µg/L	1 µg/L	09 / 04 / 2013
Radium 226 (4020)	11±2	pCi/L		SM 7500-Ra B	0.1 pCi/L	1 pCi/L	08 / 27 / 2013
Radium 228 (4030)	3.4±0.7	pCi/L		EPA Ra-05	0.5 pCi/L	1 pCi/L	09 / 03 / 2013
(4010)		pCi/L	4 mrem/yr				
Gross Beta (4100)		pCi/L	4 mrem/yr		2.1 pCi/L	4 pCi/L	
Total Dissolved Solids (1930)	156	mg/L	SMCL* = 500 mg/L	EPA 160.3	10 mg/L	N/A	08 / 27 / 2013

* Secondary Maximum Contaminant Level – Non-enforceable Standard

Robert Rostad — Director, Analytical Services — 09 / 10 / 2013
Laboratory Results Reviewed & Approved by — Title — Date

MAIL RESULTS TO: CDPHE, WQCD-CADM
ATTN: CADM
4300 Cherry Creek Drive South
Denver, CO 80246-1530

OR FAX: 303-782-0390

Rad Report Form Version 7 020208

Colorado Department of Public Health and Environment
Compliance Assurance & Data Management Section

REPORTING FORM FOR RADIONUCLIDE ANALYSIS

PWSID CO0 121175

SYSTEMS NAME: Donala Water & Sanitation District

SYSTEM MAILING ADDRESS: 15850 Holbein Drive (Street address/PO Box) Colorado Springs (CITY) CO (STATE) 80921 (ZIP)

CONTACT PERSON: Mark D. Parker PHONE: (719) 488 3603

LABORATORY SAMPLE #: H318/13-3

Is this a Composite sample? YES ☐ NO ☒ (Only samples composited BY THE LABORATORY may be used for compliance.)

DATE COLLECTED: 08 / 21 / 2013 TIME COLLECTED: 0945 am/~~pm~~

DATE COLLECTED: / / TIME COLLECTED: am/pm

STATE SAMPLING POINT CODE : Holbein WTF Raw

LABORATORY NAME: Hazen Research, Inc.

LAB PHONE # (303) 279 4501 DATE RECEIVED IN LABORATORY: 08 / 23 / 2013

CLIENT NAME or ID# Accutest Mountain States

SAMPLE COLLECTED BY: Mark Parker

COMMENTS:

[Highlighted rows are for state use only]

PARAMETER	RESULT	UNITS	MCL	STANDARD METHOD	LAB MDL	REGULATORY MDL	DATE ANALYZED
(4000)		pCi/L	15 pCi/L				
Gross Alpha (4002)	6.4±2.9	pCi/L		SM 7110 B	1.6 pCi/L	3 pCi/L	09 / 09 / 2013
Uranium (4006)	<0.7	µg/L	30 µg/L	ASTM D2907-97	0.7 µg/L	1 µg/L	09 / 04 / 2013
Radium 226 (4020)	3.7±0.9	pCi/L		SM 7500-Ra B	0.1 pCi/L	1 pCi/L	08 / 27 / 2013
Radium 228 (4030)	3.4±0.8	pCi/L		EPA Ra-05	0.6 pCi/L	1 pCi/L	09 / 03 / 2013
(4010)		pCi/L	5 pCi/L				
Gross Beta (4100)		pCi/L	4 mrem/yr		2.1 pCi/L	4 pCi/L	
Total Dissolved Solids (1930)	188	mg/L	SMCL* = 500 mg/L	EPA 160.3	10 mg/L	N/A	08 / 27 / 2013

* Secondary Maximum Contaminant Level – Non-enforceable Standard

Robert Rostad — Director, Analytical Services — 09 / 10 / 2013
Laboratory Results Reviewed & Approved by — Title — Date

MAIL RESULTS TO: CDPHE, WQCD-CADM
ATTN: CADM
4300 Cherry Creek Drive South
Denver, CO 80246-1530

OR FAX: 303-782-0390

Rad Report Form Version 7 020208

Colorado Department of Public Health and Environment

Colorado Department of Public Health and Environment
Compliance Assurance & Data Management Section

REPORTING FORM FOR RADIONUCLIDE ANALYSIS

PWSID CO0 121175

SYSTEMS NAME: Donala Water & Sanitation District

SYSTEM MAILING ADDRESS: 15850 Holbein Drive (Street address/PO Box) Colorado Springs (CITY) CO (STATE) 80921 (ZIP)

CONTACT PERSON: Mark D. Parker PHONE: (719) 488 3603

LABORATORY SAMPLE #: H318/13-4

Is this a Composite sample? YES ☐ NO ☒ (Only samples composited BY THE LABORATORY may be used for compliance.)

DATE COLLECTED: 08 / 21 / 2013 TIME COLLECTED: 0945 am/pm

DATE COLLECTED: / / TIME COLLECTED: am/pm

STATE SAMPLING POINT CODE : EP 002

LABORATORY NAME: Hazen Research, Inc.

LAB PHONE # (303) 279 4501 DATE RECEIVED IN LABORATORY: 08 / 23 / 2013

CLIENT NAME or ID# Accutest Mountain States

SAMPLE COLLECTED BY: Mark Parker

COMMENTS:

[Highlighted rows are for state use only]

PARAMETER	RESULT	UNITS	MCL	STANDARD METHOD	LAB MDL	REGULATORY MDL	DATE ANALYZED
(4000)		pCi/L	15 pCi/L				
Gross Alpha (4002)	7.0±2.7	pCi/L		SM 7110 B	0.7 pCi/L	3 pCi/L	09 / 09 / 2013
Uranium (4006)	<0.7	µg/L	30 µg/L	ASTM D2907-97	0.7 µg/L	1 µg/L	09 / 04 / 2013
Radium 226 (4020)	3.2±0.8	pCi/L		SM 7500-Ra B	0.1 pCi/L	1 pCi/L	08 / 27 / 2013
Radium 228 (4030)	1.5±0.7	pCi/L		EPA Ra-05	0.6 pCi/L	1 pCi/L	09 / 03 / 2013
(4010)		pCi/L	4 mrem/yr				
Gross Beta (4100)		pCi/L	4 mrem/yr		2.1 pCi/L	4 pCi/L	
Total Dissolved Solids (1930)	186	mg/L	SMCL* = 500 mg/L	EPA 160.3	10 mg/L	N/A	08 / 27 / 2013

* Secondary Maximum Contaminant Level—Non-enforceable Standard

Robert Rostad Director, Analytical Services 09 / 10 / 2013
Laboratory Results Reviewed & Approved by Title Date

MAIL RESULTS TO: CDPHE, WQCD-CADM
ATTN: CADM
4300 Cherry Creek Drive South
Denver, CO 80246-1530

OR FAX: 303-782-0390

Rad Report Form Version 7 020208

Colorado Department of Public Health and Environment
Compliance Assurance & Data Management Section

REPORTING FORM FOR RADIONUCLIDE ANALYSIS

PWSID CO0 121175

SYSTEMS NAME: Donala Water & Sanitation District

SYSTEM MAILING ADDRESS: 15850 Holbein Drive (Street address/PO Box) Colorado Springs (CITY) CO (STATE) 80921 (ZIP)

CONTACT PERSON: Mark D. Parker PHONE: (719) 488 3603

LABORATORY SAMPLE #: H318/13-5

Is this a Composite sample? YES ☐ NO ☒ (Only samples composited BY THE LABORATORY may be used for compliance.)

DATE COLLECTED: 08 / 21 / 2013 TIME COLLECTED: 0945 am/pm

DATE COLLECTED: / / TIME COLLECTED: am/pm

STATE SAMPLING POINT CODE : EP 024

LABORATORY NAME: Hazen Research, Inc.

LAB PHONE # (303) 279 4501 DATE RECEIVED IN LABORATORY: 08 / 23 / 2013

CLIENT NAME or ID# Accutest Mountain States

SAMPLE COLLECTED BY: Mark Parker

COMMENTS:

[Highlighted rows are for state use only]

PARAMETER	RESULT	UNITS	MCL	STANDARD METHOD	LAB MDL	REGULATORY MDL	DATE ANALYZED
(4000)		pCi/L	15 pCi/L				
Gross Alpha (4002)	6.0±2.8	pCi/L		SM 7110 B	1.5 pCi/L	3 pCi/L	09 / 09 / 2013
Uranium (4006)	<0.7	µg/L	30 µg/L	ASTM D2907-97	0.7 µg/L	1 µg/L	09 / 04 / 2013
Radium 226 (4020)	2.5±0.7	pCi/L		SM 7500-Ra B	0.1 pCi/L	1 pCi/L	08 / 27 / 2013
Radium 228 (4030)	2.9±0.7	pCi/L		EPA Ra-05	0.6 pCi/L	1 pCi/L	09 / 03 / 2013
(4010)		pCi/L	4 mrem/yr				
Gross Beta (4100)		pCi/L	4 mrem/yr		2.1 pCi/L	4 pCi/L	
Total Dissolved Solids (1930)	188	mg/L	SMCL* = 500 mg/L	EPA 160.3	10 mg/L	N/A	08 / 27 / 2013

* Secondary Maximum Contaminant Level – Non-enforceable Standard

Robert Rostad — Director, Analytical Services — 09 / 10 / 2013
Laboratory Results Reviewed & Approved by — Title — Date

MAIL RESULTS TO: CDPHE, WQCD-CADM
ATTN: CADM
4300 Cherry Creek Drive South
Denver, CO 80246-1530

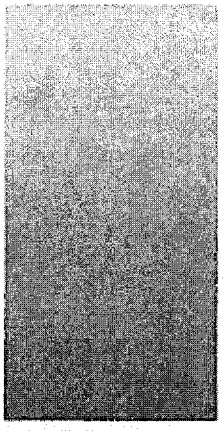
OR FAX: 303-782-0390

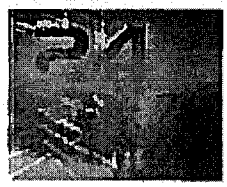
Rad Report Form Version 7 020208

e-Hardcopy 2.0
Automated Report

Mountain States ACCUTEST LABORATORIES

12/18/13





Technical Report for

Donala Water & Sanitation District

PWSID CO0121175 Donala W&S District

Accutest Job Number: D52763X

Sampling Date: 11/20/13

Report to:

Donala Water & Sanitation District
15850 Holbein Drive
Colorado Springs, CO 80921
markp@donalawater.com

ATTN: Mark Parker

Total number of pages in report: 19

Per the COC, results were NOT sent to the CDPHE.

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Scott Heideman
Laboratory Director

Client Service contact: Renea Jackson 303-425-6021

Certifications: CO (CO00049), ID, NE (CO00049), ND (R-027), NJ (CO 0007), OK (D9942), UT (NELAP CO00049), TX (T104704511)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories. Test results relate only to samples analyzed.

Colorado Department of Public Health and Environment

Colorado Department of Public Health and Environment
Compliance Assurance & Data Management Section

REPORTING FORM FOR RADIONUCLIDE ANALYSIS

PWSID CO0 121175

SYSTEMS NAME: Donala Water & Sanitation District

SYSTEM MAILING ADDRESS: _____
Street address/PO Box CITY STATE ZIP

CONTACT PERSON: Mark D. Parker PHONE: (719) 488 3603

LABORATORY SAMPLE #: K384/13-1

Is this a Composite sample? YES ☐ NO ☒ (Only samples composited BY THE LABORATORY may be used for compliance.)

DATE COLLECTED: 11 / 20 / 2013 TIME COLLECTED: 0900 am/pm

DATE COLLECTED: / / TIME COLLECTED: am/pm

STATE SAMPLING POINT CODE : CSU Tie In

LABORATORY NAME: Hazen Research, Inc.

LAB PHONE # (303) 279 4501 DATE RECEIVED IN LABORATORY: 11 / 22 / 2013

CLIENT NAME or ID# Accutest Mountain States

SAMPLE COLLECTED BY: Mark Parker

COMMENTS: _____

[Highlighted rows are for state use only]

PARAMETER	RESULT	UNITS	MCL	STANDARD METHOD	LAB MDL	REGULATORY MDL	DATE ANALYZED
(4000)		pCi/L	15 pCi/L				
Gross Alpha (4002)	9.4±3.0	pCi/L		SM 7110 B	1.3 pCi/L	3 pCi/L	12 / 16 / 2013
Uranium (4006)	14	µg/L	30 µg/L	ASTM D2907-97	0.7 µg/L	1 µg/L	11 / 29 / 2013
Radium 226 (4020)	0.4±0.2	pCi/L		SM 7500-Ra B	0.1 pCi/L	1 pCi/L	12 / 10 / 2013
Radium 228 (4030)	0.0±0.6	pCi/L		EPA Ra-05	0.7 pCi/L	1 pCi/L	12 / 04 / 2013
(4010)		pCi/L	4 pCi/L				
Gross Beta (4100)	0.9±2.3	pCi/L	4 mrem/yr	SM 7110 B	2.1 pCi/L	4 pCi/L	12 / 16 / 2013
Total Dissolved Solids (1930)	55	mg/L	SMCL* = 500 mg/L	EPA 160.3	10 mg/L	N/A	11 / 25 / 2013

* Secondary Maximum Contaminant Level – Non-enforceable Standard

Robert Rostad Director, Analytical Services 12 / 18 / 2013
Laboratory Results Reviewed & Approved by Title Date

MAIL RESULTS TO: CDPHE, WQCD-CADM
ATTN: CADM
4300 Cherry Creek Drive South
Denver, CO 80246-1530

OR FAX: 303-782-0390

Rad Report Form Version 7 020208

Colorado Department of Public Health and Environment
Compliance Assurance & Data Management Unit

REPORTING FORM FOR RADIONUCLIDE ANALYSIS

Sampler: Please Complete a Separate Form for Each Sample

Are these results to be used to fulfill compliance monitoring requirements? YES ☒ or NO ☐
Is this a check or confirmation sample? ☐ YES ☒ NO

PWSID: CO 0121175 COUNTY: El Paso DATE COLLECTED: 10/03/2012

SYSTEM NAME: Donala Water & Sanitation District

SYSTEM MAILING ADDRESS: 15850 Holbein Dr. (Street Address or P.O. Box) Colorado Springs (CITY) CO (STATE) 80921 (ZIP)

CONTACT PERSON: Dana C. Duthie PHONE: (719) 488 3603

SAMPLE COLLECTED BY: Mark Parker TIME COLLECTED: 1145 am/pm

ENTRY POINT (Finished Water) SAMPLE ☒ SOURCE WATER (Raw Water) SAMPLE ☐

FOR ENTRY POINT SAMPLE PLEASE INDICATE: Chlorinated ☒ Other Treatment ☒
Finished – Not Treated (No chlorine or other treatment) ☐

STATE ENTRY POINT CODE: EP 024 SOURCE(S) REPRESENTED:

DO SAMPLES NEED TO BE COMPOSITED BY THE LABORATORY? YES ☐ NO ☒

For Laboratory Use Only Below This Line

LABORATORY SAMPLE # 1189/12-1 CLIENT NAME or ID# Accutest Mountain States

LABORATORY NAME: Hazen Research, Inc.

LAB PHONE # (303) 279-4501 DATE RECEIVED IN LABORATORY: 10/05/2012

COMMENTS:

PARAMETER	RESULT	UNITS	MCL	STANDARD METHOD	LAB MDL	REGULATORY MDL	DATE ANALYZED
Gross Alpha (4002)	4.9±2.5	pCi/L	15 pCi/L	SM 7110 B	1.2 pCi/L	3 pCi/L	10/16/2012
Radium 226 (4020)	3.0±0.6	pCi/L	Ra-226+228= 5 pCi/L	SM 7500-Ra B	0.1 pCi/L	1 pCi/L	10/26/2012
Radium 228 (4030)	1.6±0.8	pCi/L	Ra-226+228= 5 pCi/L	EPA Ra-05	0.7 pCi/L	1 pCi/L	10/11/2012
Uranium (4006)	<0.7	µg/L	30 µg/L	ASTM D2907-97	0.7 µg/L	1 µg/L	10/10/2012
Screening Gross Beta (4100)		pCi/L	Trigger level = 50 pCi/L		pCi/L	4 pCi/L	
Total Solids (1937)	157	mg/L	SMCL* = 500 mg/L	EPA 160.3	10 mg/L	N/A	10/08/2012

*Secondary Maximum Contaminant Level – Non-enforceable Standard

Robert Rostad Laboratory Manager 11/08/2012
Laboratory Results Reviewed & Approved by Title Date

MAIL RESULTS TO: CDPHE, WQCD-CADM
4300 Cherry Creek Drive South
Denver, CO 80246-1530

FAX: 303-782-0390

For State Use ONLY

4000 Compliance Alpha
4010 Combined Radium-226+228
4006 Uranium

DY-32045 D39448X: Chain of Custody

Appendix B

DONALA WSD 2021 Drinking Water Quality Report
Covering Data For Calendar Year 2020

Public Water System ID: CO0121175

Esta es información importante. Si no la pueden leer, necesitan que alguien se la traduzca.

We are pleased to present to you this year's water quality report. Our constant goal is to provide you with a safe and dependable supply of drinking water. Please contact JEFF HODGE at 719-488-3603 with any questions or for public participation opportunities that may affect water quality. **Please see the water quality data from our wholesale system(s) (either attached or included in this report) for additional information about your drinking water.**

General Information

All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (1-800-426-4791) or by visiting epa.gov/ground-water-and-drinking-water.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV-AIDS or other immune system disorders, some elderly, and infants can be particularly at risk of infections. These people should seek advice about drinking water from their health care providers. For more information about contaminants and potential health effects, or to receive a copy of the U.S. Environmental Protection Agency (EPA) and the U.S. Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and microbiological contaminants call the EPA Safe Drinking Water Hotline at (1-800-426-4791).

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water include:

- **Microbial contaminants:** viruses and bacteria that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- **Inorganic contaminants:** salts and metals, which can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- **Pesticides and herbicides:** may come from a variety of sources, such as agriculture, urban storm water runoff, and residential uses.
- **Radioactive contaminants:** can be naturally occurring or be the result of oil and gas production and mining activities.
- **Organic chemical contaminants:** including synthetic and volatile organic chemicals, which are byproducts of industrial processes and petroleum production, and also may come from gas stations, urban storm water runoff, and septic systems.

In order to ensure that tap water is safe to drink, the Colorado Department of Public Health and Environment prescribes regulations limiting the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration regulations establish limits for contaminants in bottled water that must provide the same protection for public health.

Lead in Drinking Water

If present, elevated levels of lead can cause serious health problems (especially for pregnant women and young children). It is possible that lead levels at your home may be higher than other homes in the community as a result of materials used in your home's plumbing. If you are concerned about lead in your water, you may wish to have your water tested. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. Additional information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline (1-800-426-4791) or at epa.gov/safewater/lead.

Source Water Assessment and Protection (SWAP)

The Colorado Department of Public Health and Environment may have provided us with a Source Water Assessment Report for our water supply. For general information or to obtain a copy of the report please visit wqcdcompliance.com/ccr. The report is located under "Guidance: Source Water Assessment Reports". Search the table using 121175, DONALA WSD, or by contacting JEFF HODGE at 719-488-3603. The Source Water Assessment Report provides a screening-level evaluation of potential contamination that ***could*** occur. It ***does not*** mean that the contamination ***has or will*** occur. We can use this information to evaluate the need to improve our current water treatment capabilities and prepare for future contamination threats. This can help us ensure that quality finished water is delivered to your homes. In addition, the source water assessment results provide a starting point for developing a source water protection plan. Potential sources of contamination in our source water area are listed on the next page.

Please contact us to learn more about what you can do to help protect your drinking water sources, any questions about the Drinking Water Quality Report, to learn more about our system, or to attend scheduled public meetings. We want you, our valued customers, to be informed about the services we provide and the quality water we deliver to you every day.

Our Water Sources

Sources (Water Type - Source Type)	Potential Source(s) of Contamination
WELL NO 8A (Groundwater-Well) WELL NO 9A (Groundwater-Well) WELL 2A R (Groundwater-Well) WELL 2D R (Groundwater-Well) WELL 14A (Groundwater-Well) PURCHASED WATER FROM CO0121150 (Surface Water-Consecutive Connection) WELL NO 10 EMERGENCY (Groundwater-Well) WELL NO 11D (Groundwater-Well) WELL NO 12A (Groundwater-Well) WELL NO 13D (Groundwater-Well) WELL NO 4A (Groundwater-Well) WELL NO 1A (Groundwater-Well) WELL NO 3A (Groundwater-Well) WELL NO 3D (Groundwater-Well) WELL NO 7D (Groundwater-Well)	Commercial/Industrial/Transportation, Low Intensity Residential, Urban Recreational Grasses, Fallow, Deciduous Forest, Evergreen Forest, Septic Systems, Road Miles

Terms and Abbreviations

- **Maximum Contaminant Level (MCL)** – The highest level of a contaminant allowed in drinking water.
- **Treatment Technique (TT)** – A required process intended to reduce the level of a contaminant in drinking water.
- **Health-Based** – A violation of either a MCL or TT.
- **Non-Health-Based** – A violation that is not a MCL or TT.
- **Action Level (AL)** – The concentration of a contaminant which, if exceeded, triggers treatment and other regulatory requirements.
- **Maximum Residual Disinfectant Level (MRDL)** – The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
- **Maximum Contaminant Level Goal (MCLG)** – The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
- **Maximum Residual Disinfectant Level Goal (MRDLG)** – The level of a drinking water disinfectant, below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
- **Violation (No Abbreviation)** – Failure to meet a Colorado Primary Drinking Water Regulation.
- **Formal Enforcement Action (No Abbreviation)** – Escalated action taken by the State (due to the risk to public health, or number or severity of violations) to bring a non-compliant water system back into compliance.
- **Variance and Exemptions (V/E)** – Department permission not to meet a MCL or treatment technique under certain conditions.
- **Gross Alpha (No Abbreviation)** – Gross alpha particle activity compliance value. It includes radium-226, but excludes radon 222, and uranium.
- **Picocuries per liter (pCi/L)** – Measure of the radioactivity in water.
- **Nephelometric Turbidity Unit (NTU)** – Measure of the clarity or cloudiness of water. Turbidity in excess of 5 NTU is just noticeable to the typical person.
- **Compliance Value (No Abbreviation)** – Single or calculated value used to determine if regulatory contaminant level (e.g. MCL) is met. Examples of calculated values are the 90th Percentile, Running Annual Average (RAA) and Locational Running Annual Average (LRAA).
- **Average (x-bar)** – Typical value.
- **Range (R)** – Lowest value to the highest value.
- **Sample Size (n)** – Number or count of values (i.e. number of water samples collected).
- **Parts per million = Milligrams per liter (ppm = mg/L)** – One part per million corresponds to one minute in two years or a single penny in $10,000.

- **Parts per billion = Micrograms per liter (ppb = ug/L)** – One part per billion corresponds to one minute in 2,000 years, or a single penny in $10,000,000.
- **Not Applicable (N/A)** – Does not apply or not available.
- **Level 1 Assessment** – A study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.
- **Level 2 Assessment** – A very detailed study of the water system to identify potential problems and determine (if possible) why an E. coli MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

Detected Contaminants

DONALA WSD routinely monitors for contaminants in your drinking water according to Federal and State laws. The following table(s) show all detections found in the period of January 1 to December 31, 2020 unless otherwise noted. The State of Colorado requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year, or the system is not considered vulnerable to this type of contamination. Therefore, some of our data, though representative, may be more than one year old. Violations and Formal Enforcement Actions, if any, are reported in the next section of this report.

Note: Only detected contaminants sampled within the last 5 years appear in this report. If no tables appear in this section then no contaminants were detected in the last round of monitoring.

Disinfectants Sampled in the Distribution System
TT Requirement: At least 95% of samples per period (month or quarter) must be at least 0.2 ppm ***OR***
If sample size is less than 40 no more than 1 sample is below 0.2 ppm
Typical Sources: Water additive used to control microbes

Disinfectant Name	Time Period	Results	Number of Samples Below Level	Sample Size	TT Violation	MRDL
Chlorine	December, 2020	Lowest period percentage of samples meeting TT requirement: 100%	0	9	No	4.0 ppm

Lead and Copper Sampled in the Distribution System

Contaminant Name	Time Period	90th Percentile	Sample Size	Unit of Measure	90th Percentile AL	Sample Sites Above AL	90th Percentile AL Exceedance	Typical Sources
Copper	08/06/2020 to 08/19/2020	0.12	25	ppm	1.3	0	No	Corrosion of household plumbing systems; Erosion of natural deposits
Lead	08/06/2020 to 08/19/2020	0.5	25	ppb	15	0	No	Corrosion of household plumbing systems; Erosion of natural deposits

Disinfection Byproducts Sampled in the Distribution System

Name	Year	Average	Range Low – High	Sample Size	Unit of Measure	MCL	MCLG	MCL Violation	Typical Sources
Total Haloacetic Acids (HAA5)	2020	14.5	8.4 to 21	10	ppb	60	N/A	No	Byproduct of drinking water disinfection
Total Trihalome thanes (TTHM)	2020	23.43	12.8 to 34.7	10	ppb	80	N/A	No	Byproduct of drinking water disinfection

Radionuclides Sampled at the Entry Point to the Distribution System									
Contaminant Name	**Year**	**Average**	**Range Low – High**	**Sample Size**	**Unit of Measure**	**MCL**	**MCLG**	**MCL Violation**	**Typical Sources**
Gross Alpha	2020	6.1	4.9 to 7.3	2	pCi/L	15	0	No	Erosion of natural deposits
Combined Radium	2020	5.73	5.2 to 6.4	3	pCi/L	5	0	No	Erosion of natural deposits

Inorganic Contaminants Sampled at the Entry Point to the Distribution System									
Contaminant Name	**Year**	**Average**	**Range Low – High**	**Sample Size**	**Unit of Measure**	**MCL**	**MCLG**	**MCL Violation**	**Typical Sources**
Barium	2020	0.05	0.03 to 0.05	5	ppm	2	2	No	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Fluoride	2020	0.99	0.87 to 1.08	4	ppm	4	4	No	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Selenium	2020	0.2	0 to 1	5	ppb	50	50	No	Discharge from petroleum and metal refineries; erosion of natural

Inorganic Contaminants Sampled at the Entry Point to the Distribution System									
Contaminant Name	**Year**	**Average**	**Range Low – High**	**Sample Size**	**Unit of Measure**	**MCL**	**MCLG**	**MCL Violation**	**Typical Sources**
									deposits; discharge from mines

Secondary Contaminants**						
**Secondary standards are non-enforceable guidelines for contaminants that may cause cosmetic effects (such as skin, or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water.						
Contaminant Name	**Year**	**Average**	**Range Low – High**	**Sample Size**	**Unit of Measure**	**Secondary Standard**
Sodium	2020	14.64	9.6 to 17.1	5	ppm	N/A

Violations, Significant Deficiencies, and Formal Enforcement Actions

Non-Health-Based Violations		
These violations do not usually mean that there was a problem with the water quality. If there had been, we would have notified you immediately. We missed collecting a sample (water quality is unknown), we reported the sample result after the due date, or we did not complete a report/notice by the required date.		
Name	**Description**	**Time Period**
DISINFECTION BYPRODUCTS	FAILURE TO MONITOR AND/OR REPORT	10/01/2020 - 12/31/2020
Additional Violation Information		
Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.		
Describe the steps taken to resolve the violation(s), and the anticipated resolution date: This was tested for in December and not November. This is a quarterly test that is taken on a specific month. We contacted CDPHE and informed them of the mistake. We were advised to get back on quarterly testing and the respective month to be tested. Since we have since got back on proper testing dates.		

COLORADO
Department of Public Health & Environment

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

June 28, 2022

JEFFERY W HODGE
DONALA WSD - PWSID CO0121175
15850 HOLBEIN
COLORADO SPRINGS CO 80921

Violation Notice
Maximum Contaminant Level Violation

The Colorado Department of Public Health and Environment ("Department") has identified the following violation(s) of Section 11.22(5) of the Colorado Primary Drinking Water Regulations ("Regulation 11"), 5 CCR 1002-11 for **DONALA WSD ("Supplier")**:

Monitoring Period: Second Quarter, 2022				
Facility ID: 002			**Sample Point ID:** 002	
Analyte Name: COMBINED RADIUM (-226 & -228)			**Maximum Contaminant Level (MCL): 5 pCi/L**	
Compliance Value (Average of All Quarters)	**Current Quarter Value**	**Previous Quarter Value**	**2nd Previous Quarter Value**	**3rd Previous Quarter Value**
9.6pCi/L	SOURCE WAS OFF	SOURCE WAS OFF	SOURCE WAS OFF	9.6pCi/L

- **How do I resolve this violation?** The Supplier must demonstrate compliance with the MCL in future compliance periods and continuously thereafter. If not already completed, the Supplier should immediately evaluate alternative treatment or water sources, or operational changes to maintain compliance with the MCL.

Public notice required. The Supplier must notify its consumers of this violation no later than **July 28, 2022** as described on the following page:

Tier 2 Public Notice Requirements Create a public notice, obtain a certificate of delivery, and review delivery instructions at: https://cdphe.colorado.gov/pnrule	
Action Required	**Deadline**
Prepare a public notice: • Use the Department's public notice form to create a public notice that includes all of the required elements.	As soon as possible, but no later than **July 28, 2022**
Distribute the public notice: • Community water systems must directly deliver the public notice to each customer. A Tier 1 public notice must be hand delivered, unless alternative delivery activities have been approved by the Department. A Tier 2 public notice must be mailed or hand delivered.	
Submit a copy of the public notice and a certificate of delivery form to the Department via fax, mail, or the Portal.	No later than 10 days after distributing the public notice

This Violation Notice does not constitute an Enforcement Order and is not subject to appeal. The Department may pursue formal enforcement action with penalties concerning the above violation(s), including issuing the Supplier an Enforcement Order or amending a current order.

If there are any questions regarding the contents of this letter and/or requirements for the Supplier, please contact your compliance specialist:

Laura Taylor
720-504-6192
laura.taylor@state.co.us

Resources and guidance to assist with compliance:

- **Requirements:** Monitoring requirements for drinking water systems are online at wqcdcompliance.com/schedules.
- **Reporting:** Drinking water suppliers can report to the Department online using the data portal at wqcdcompliance.com/login. You may also report by US mail or fax to 303-758-1398.
- **Forms, guidance, regulations, and templates:** wqcdcompliance.com/forms.

ec:
JEFFERY W HODGE - GM@DONALAWATER.COM; AC
LISA LEMMON - LISALEMMON@ELPASOCO.COM; EL PASO COUNTY PUBLIC HEALTH
CATHERINE MCGARVY - CATHERINEMCGARVY@ELPASOCO.COM; EL PASO COUNTY PUBLIC HEALTH

File: CO0121175, EL PASO COUNTY, COMMUNITY - GROUNDWATER

STATE OF COLORADO

Taylor - CDPHE, Laura <laura.taylor@state.co.us>

Holbein Plant

1 message

Joe L <joel@donalawater.com> Fri, Jun 17, 2022 at 9:11 AM
To: "laura.taylor@state.co.us" <laura.taylor@state.co.us>

Good morning Laura,

The Holbein Plant will remain off for the entire 2nd Quarter of 2022, therefore, no water will be served to the public from the Holbein Plant for entire 2nd Quarter of 2022.

Joe Lopez, CWP
Donala Water and Sanitation
Joel@donalawater.com
719-499-8258

TODAY WE WORK FOR TOMORROW

2022 DRINKING WATER QUALITY REPORT

PUBLIC WATER SYSTEM I.D.
CO0121150

This required report is prepared in accordance with federal and state regulations of the Safe Drinking Water Act.

Esta informacion acerca de su aqua potable es importante. Si usted no puede leer esto en ingles, por favor pidale a alquien. Que le traduzca esta importante informacion o llame a Cuidado al Cliente al

Colorado Springs Utilities
It's how we're all connected

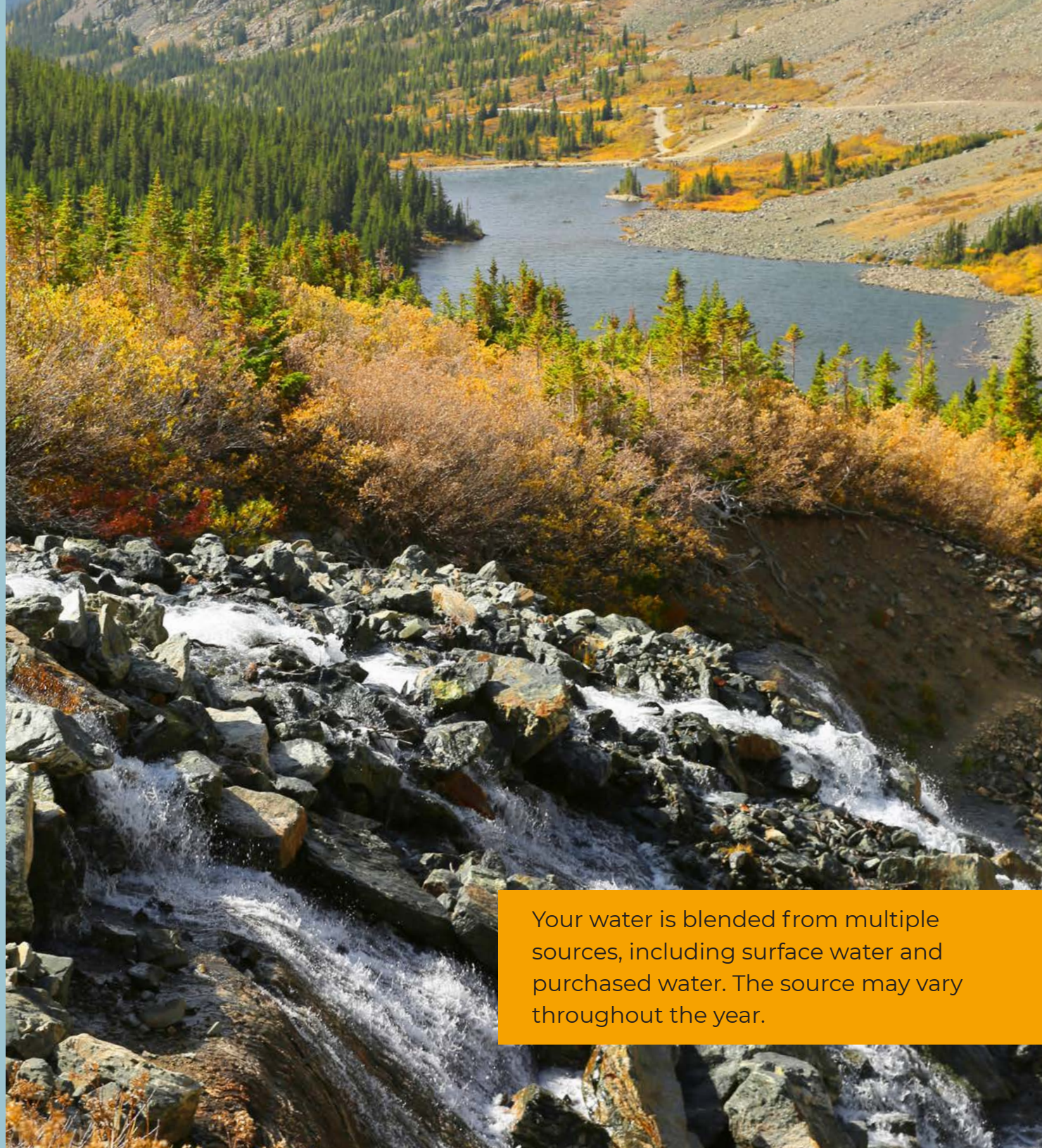
We take pride in providing some of the best drinking water in the nation. The majority of our drinking water comes from high mountain snowmelt which means we are primarily first time users. Hundreds of employees spend many hours protecting our water sources, managing our state-of-the-art water treatment processes, maintaining and operating our facilities and equipment and vigilantly monitoring and testing the water we serve.

In 2021, we served half a million customers with more than 20 billion gallons of high-quality water. To protect the quality of water delivered to your home, we performed more than 90,000 water quality tests to ensure a safe and reliable drinking water supply for Colorado Springs residents.

We're proud to share with you the 2022 Water Quality Report that provides detailed information about your drinking water. If you have any questions about this report or the quality of your water, contact us at (719) 668-4560.

DRINKING WATER SOURCES

WHERE DOES YOUR WATER COME FROM?



Your water is blended from multiple sources, including surface water and purchased water. The source may vary throughout the year.

Mountain water sources

With no major water source nearby, much of our raw water collection system originates from nearly 200 miles away, near Aspen, Leadville and Breckenridge. Almost 75% of our water originates from mountain streams. Water from these streams is collected and stored in numerous reservoirs along the Continental Divide. Collection systems in these areas consist of the Homestake, Fryingpan-Arkansas, Twin Lakes and Blue River systems.

The majority of this raw water is transferred to our city through pipelines that help protect it from contamination such as herbicides, pesticides, heavy metals and other chemicals. After the long journey, water is stored locally at Rampart Reservoir and the North and South Slope Reservoirs on Pikes Peak.

Local surface sources

To supplement the water received from the mountain sources, we divert water from local surface water collection systems including:

- North and South Slopes of Pikes Peak – Catamount Reservoirs, Crystal Reservoir, South Slope Reservoirs and tributaries
- North and South Cheyenne Creeks
- Fountain Creek
- Monument Creek – Pikeview Reservoir
- Northfield Watershed – Rampart and Northfield Reservoirs
- Pueblo Reservoir

Purchased water source

Fountain Valley Authority or FVA (PWSID#CO0121300) receives water from the Fryingpan-Arkansas Project – a system of pipes and tunnels that collects water in the Hunter-Fryingpan Wilderness Area near Aspen. Water collected from this system is diverted to the Arkansas River, near Buena Vista, and then flows about 150 miles downstream to Pueblo Reservoir. From there, the water travels through a pipeline to a water treatment plant before being delivered to Colorado Springs.

Water treatment

All water sources are treated at one of our six treatment plants prior to entering our drinking water distribution system, an intricate system of tanks, pumps and pipes that ultimately deliver water to your home or business.

COLORADO SOURCE WATER ASSESSMENT AND PROTECTION

SOURCE WATER ASSESSMENT REPORT

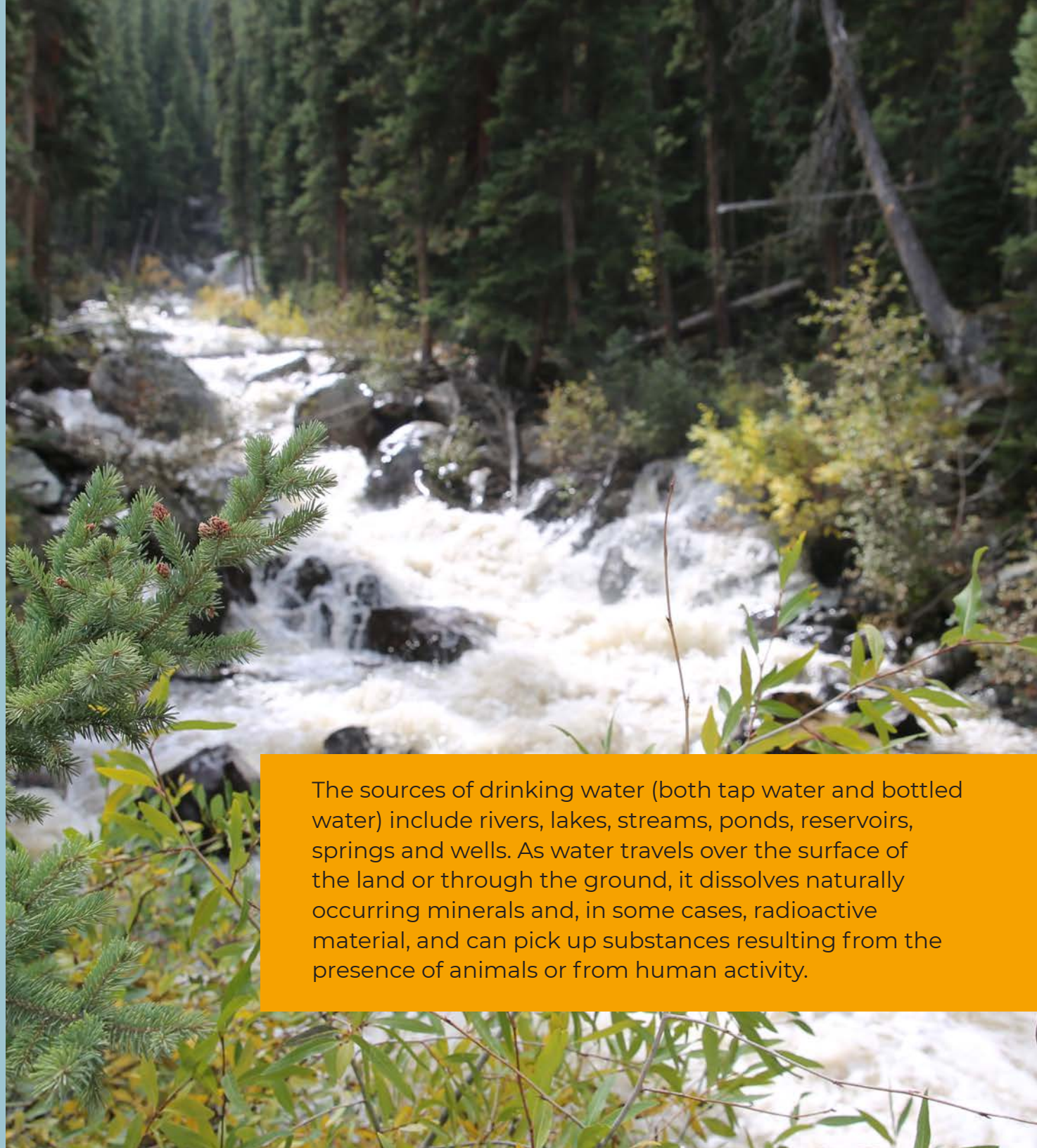
To obtain a copy from the Colorado Department of Public Health, please visit **https://cdphe.colorado.gov/ccr** or contact Laboratory Services at (719) 668-4560.

The Source Water Assessment Report provides a screening level evaluation of potential contamination that could occur. It does not mean that contamination has occurred or will occur. We can use this information to evaluate the need to improve our current water treatment capabilities and prepare for future contamination threats. This can help us ensure that quality finished water is delivered to your home. In addition, the source water assessment results provide a starting point for developing a source water protection plan.

Potential sources of contamination to our source water areas may come from:

- Environmental Protection Agency (EPA) superfund sites
- EPA Abandoned contaminated sites
- EPA hazardous waste generators
- EPA chemical inventory/storage sites
- EPA toxic release inventory sites
- permitted wastewater discharge sites
- aboveground, underground and leaking storage tank sites
- solid waste sites
- existing/abandoned mine sites
- concentrated animal feeding operations
- other facilities
- commercial/industrial transportation
- high-and-low-intensity residential
- urban recreational grasses
- quarries/strip mines/gravel pits
- agricultural land (row crops, small grain, pasture/hay, orchards/vineyards, fallow and other)
- forest
- septic systems
- oil/gas wells
- road miles (runoff from the roads)

WATER CONTAMINANTS



The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

- Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operation and wildlife.
- Inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming.
- Pesticides and herbicides that may come from a variety of sources, such as agriculture, urban stormwater runoff and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, which are byproducts of industrial processes and petroleum production, and may come from gas stations, urban stormwater runoff and septic systems.
- Radioactive contaminants that can be naturally occurring or the result of oil and gas production and mining activities.

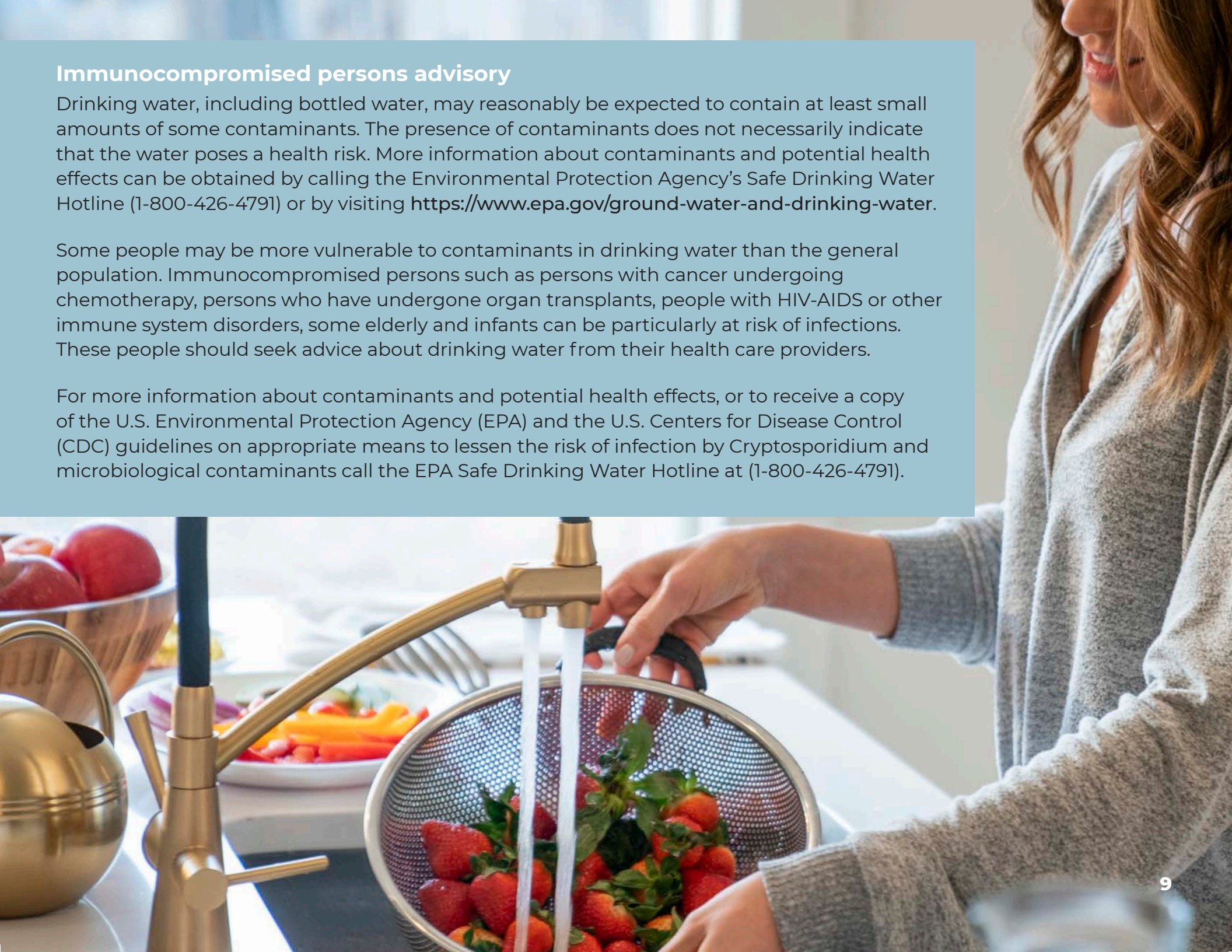
In order to ensure that tap water is safe to drink, the Colorado Department of Public Health and Environment prescribes regulations limiting the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration regulations establish limits for contaminants in bottled water that must provide the same protection for public health.

Immunocompromised persons advisory

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (1-800-426-4791) or by visiting **https://www.epa.gov/ground-water-and-drinking-water**.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV-AIDS or other immune system disorders, some elderly and infants can be particularly at risk of infections. These people should seek advice about drinking water from their health care providers.

For more information about contaminants and potential health effects, or to receive a copy of the U.S. Environmental Protection Agency (EPA) and the U.S. Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and microbiological contaminants call the EPA Safe Drinking Water Hotline at (1-800-426-4791).



LEAD, FLUORIDE AND PFAS IN DRINKING WATER

Lead in drinking water

If present, elevated levels of lead can cause serious health problems (especially for pregnant women and young children). It is possible that lead levels at your home may be higher than other homes in the community as a result of materials used in your home's plumbing. If you are concerned about lead in your water, you may wish to have your water tested. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to two minutes before using water for drinking or cooking. Additional information on lead in drinking water, testing methods and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline (1-800-426-4791) or at **http://www.epa.gov/safewater/lead**.

Fluoride in drinking water

Fluoride is a compound found naturally in many places, including soil, food, plants, animals and the human body. It is also found naturally at varying levels in all our water sources. We do not add fluoride to your drinking water. Any fluoride in the drinking water comes naturally from our source waters.

Per- and polyfluoroalkyl substances (PFAS)

PFAS are man-made chemicals present in food packaging, commercial household products, drinking water sources and manufacturing facilities. Currently, PFAS are not regulated under the National Primary Drinking Water Regulations. However, the EPA did issue a health advisory for specific perfluorinated compounds (PFOA and PFOS) of 70 parts per trillion (ppt). We tested for 18 PFAS compounds, including PFOA and PFOS, and none of these compounds were detected above the reporting limit of 2.0 parts per trillion at our water treatment facilities in 2021. For more information about PFAS click **https://www.epa.gov/pfas**.

Terms, abbreviations & symbols

- **Maximum Contaminant Level (MCL) –** The highest level of a contaminant allowed in drinking water.
- **Treatment Technique (TT) –** A required process intended to reduce the level of a contaminant in drinking water.
- **Health-Based –** A violation of either a MCL or TT.
- **Non-Health-Based –** A violation that is not a MCL or TT.
- **Action Level (AL) –** The concentration of a contaminant which, if exceeded, triggers treatment and other regulatory requirements.
- **Maximum Residual Disinfectant Level (MRDL) –** The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
- **Maximum Contaminant Level Goal (MCLG) –** The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.
- **Maximum Residual Disinfectant Level Goal (MRDLG) –** The level of a drinking water disinfectant, below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
- **Violation (No abbreviation) –** Failure to meet a Colorado Primary Drinking Water Regulation.
- **Formal Enforcement Action (No abbreviation) –** Escalated action taken by the State (due to the risk to public health, or number or severity of violations) to bring a non-compliant water system back into compliance.
- **Variance and Exemptions (V/E) –** Department permission not to meet a MCL or treatment technique under certain conditions.
- **Gross Alpha (No abbreviation) –** Gross alpha particle activity compliance value. It includes radium-226, but excludes radon 222, and uranium.
- **Picocuries per liter (pCi/L) –** Measure of the radioactivity in water.
- **Nephelometric Turbidity Unit (NTU) –** Measure of the clarity or cloudiness of water. Turbidity in excess of 5 NTU is just noticeable to the typical person.
- **Compliance Value (No abbreviation)** – Single or calculated value used to determine if regulatory contaminant level (e.g. MCL) is met. Examples of calculated values are the 90th Percentile, Running Annual Average (RAA) and Locational Running Annual Average (LRAA).
- **Average (x-bar) –** Typical value.
- **Range (R) –** Lowest value to the highest value.
- **Sample Size (n) –** Number or count of values (i.e. number of water samples collected).
- **Parts per million = milligrams per liter (ppm = mg/L) –** One part per million corresponds to one minute in two years or a single penny in $10,000.
- **Parts per billion = micrograms per liter (ppb = ug/L) –** One part per billion corresponds to one minute in 2,000 years, or a single penny in $10,000,000.
- **Not Applicable (N/A)** – Does not apply or not available.
- **Level 1 Assessment** – Study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.
- **Level 2 Assessment** – Very detailed study of the water system to identify potential problems and determine (if possible) why an E. coli MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

Data presented in the water quality report

We routinely monitor for contaminants in your drinking water according to federal and state laws. The tables on the following pages show the combined results of our monitoring for six water treatment plants, including our purchased water from Fountain Valley Authority, for the period of Jan. 1 through Dec. 31, 2021, unless otherwise noted.

The State of Colorado requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year, or the system is not considered vulnerable to this type of contamination.

Therefore, some of our data, though representative, may be more than one year old. Only detected contaminants sampled within the last five years appear in this report. If no table appears in this section, then no contaminants were detected in the last round of monitoring.

DETECTED CONTAMINANTS TABLES

Inorganic Contaminants

Monitored at the treatment plant (entry point to the distribution system)

Contaminant	MCL	MCLG	Units	Range	Average	MCL violation	Sample dates	Possible source(s) of contamination
Barium	2	2	ppm	0.01 - 0.05	0.03	No	2021	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposit
Fluoride	4	4	ppm	0.14 - 1.54	0.50	No	2021	Erosion of natural deposits; discharge from fertilizer and aluminum factories
Nitrate (as Nitrogen)	10	10	ppm	0 - 0.4	0.14	No	2021	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Selenium	50	50	ppb	0 - 4.4	1.4	No	2021	Discharge from petroleum and metal refinieries; erosion of natural deposists; discharge from mines
Sodium*	n/a	n/a	ppm	7.08 - 25.2	12.26	No	2021	Erosion of natural deposit

*Secondary MCL (SMCL) is not enforceable but intended as guidelines. These contaminants in drinking water may affect the aesthetic qualities.

Organic Contaminants

Monitored at the treatment plant (entry point to the distribution system)

Contaminant	MCL	MCLG	Units	Range	Average	MCL violation	Sample dates	Possible source(s) of contamination
Xylenes	10,000	10,000	ppb	0 - 1.5	0.03	No	Jan., April, July, Oct. 2021	Discharge from petroleum factories; discharge from chemical factories

Radionuclides

Monitored at the treatment plant (entry point to the distribution system)

Contaminant	MCL	MCLG	Units	Range	Average	MCL violation	Sample dates	Possible source(s) of contamination
Combined Radium	5	0	pCi/L	0 - 1.9	1.1	No	June 2020	Erosion of natural deposits
Combined Uranium	30	0	ppb	0 - 4.0	0.7	No	June 2020	Erosion of natural deposits
Gross Alpha	15	0	pCi/L	0 - 1.02	0.49	No	June 2020	Erosion of natural deposits

Turbidity

Continuously monitored at the treatment plant (entry point to the distribution system)

Contaminant	TT requirement	Level detected	TT violation	Sample dates	Possible source(s) of contamination
Turbidity	Maximum 1 NTU for any single measurement	Highest single measurement: 0.60 NTU, March	No	Jan. - Dec. 2021	Soil runoff
Turbidity	In any month, at least 95% of samples must be less than 0.3 NTU	Lowest monthly percentage of samples meeting TT requirement: 99%, March	No	Jan. - Dec. 2021	Soil runoff

Disinfectants

Continuously monitored at the treatment plant (entry point to the distribution system)

Contaminant	MRDL/TT requirement	Units	Level detected	MRDL/TT violation	Sample dates	Possible source(s) of contamination
Chlorine	TT= No more than 4 hours with a sample below 0.2 ppm	ppm	0 samples above or below the level	No	Jan. - Dec. 2021	Water additive used to control microbes

Total Organic Carbon (Disinfection Byproducts Precursor) Removal Ratio of Raw and Finished Water

Monitored at the treatment plant (entry point to the distribution system)

Contaminant	MCL	MCLG	Units	Range	Average	MCL violation	Sample dates	Possible source(s) of contamination
Total Organic Carbon (TOC)	TT minimum ratio = 1.00	n/a	n/a	1.00 - 1.75	1.29	No	Monthly - running annual average	Naturally present in the environment

Disinfection Byproducts

Monitored in the distribution system

Contaminant	MCL	MCLG	Units	Range	Average	Highest compliance value	MCL violation	Sample dates	Possible source(s) of contamination
Total Haloacetic Acids (HAA5)	60	n/a	ppb	9.2 - 54.2	32.2	51.1	No	Jan., April, July, Oct. 2021	Byproduct of drinking water disinfection
Total Trihalomethanes (TTHM)	80	n/a	ppb	25.7 - 61.7	44.6	58.4	No	Jan., April, July, Oct. 2021	Byproduct of drinking water disinfection

Disinfectants in the Distribution System

Contaminant	MRDL/TT	Lowest TT percentage	Number of samples below 0.2	Units	TT violation	Sample dates	Possible source(s) of contamination
Chlorine	MRDL = 4 ppm TT = At least 95% of samples per month must be at least 0.2 ppm	100% Dec.	0	ppm	No	2021	Drinking water disinfectant used to control microbes

Lead and Copper

Monitored in the distribution system

Contaminant	AL at the 90th percentile	MCLG	Units	90th percentile	Sample size	Sample sites above AL	AL exceedance	Sample dates	Possible source(s) of contamination
Copper	1.3	1.3	ppm	0.18	73	0	No	June - July 2021	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead	15	0	ppb	6.8	73	2	No	June - July 2021	Corrosion of household plumbing systems; erosion of natural deposits

Contaminants with Secondary MCL Requirements*

Monitored at the treatment plant (entry point to the distribution system)

Contaminant	SMCL	Units	Average level detected (range)	Sample dates	Possible source(s) of contamination
Aluminum	0.050 - 0.2	ppm	0.03 (0 - 0.28)	Monthly 2021	Erosion of natural deposits, water treatment chemical
Chloride	250	ppm	5.8 (1.7 - 11.4)	Quarterly 2021	Erosion of natural deposits
Manganese	0.5	ppm	0.0002 (0 - 0.0050)	Monthly 2021	Erosion of natural deposits
Iron	0.3	ppm	0.001 (0 - 0.047)	Monthly 2021	Erosion of natural deposits, leaching from plumbing materials
Sulfate	250	ppm	47.9 (12.9 - 118)	Quarterly 2021	Erosion of natural deposits
Zinc	5000	ppb	0.9 (0 - 3.1)	Annual 2021	Leaching from plumbing materials

*Secondary MCL (SMCL) is not enforceable but intended as guidelines. These contaminants in drinking water may affect the aesthetic qualities.

Unregulated Contaminant Monitoring Regulation (UCMR)

The 1996 amendments to the Safe Drinking Water Act required that EPA establish criteria for a program to monitor unregulated contaminants and to identify no more than 30 unregulated contaminants to be monitored every five years.

Unregulated contaminants are those contaminants that do not have a drinking water standard (maximum contaminate level) established by EPA. The purpose of the UCMR is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted.

The fourth round of the UCMR required monitoring for 30 contaminants. We were required to monitor for these contaminants starting in January 2018. The results for any contaminants detected are listed below. For further information on UCMR please visit **https://www.epa.gov/dwucmr/fourth-unregulated-contaminant-monitoring-rule**.

Monitored at the treatment plant (entry point to the distribution system)					
Contaminant	**Average level detected**	**Range**	**Units**	**Sample dates**	**Possible source(s) of contamination**
Manganese	1.2	0 - 11	ppb	Jan., April, July, Oct. 2018	Naturally occurring element, commercially available in combination with other elements and minerals, a byproduct of zinc ore processing, used in infrared optics, fiber optic and systems electronics and solar applications
1-Butanol	1.07	0 - 13	ppb	Jan., March, April, July, Oct. 2018	Used as a solvent, food additive and in the production of other chemicals
Quinoline	0.001	0 - 0.0318	ppb	Jan., March, April, July Oct. 2018; Feb., March 2019	Used as a pharmaceutical and flavoring agent, produced as a chemical intermediate, component of coal

Monitored at the treatment plant (entry point to the distribution system)					
Contaminant	**Average level detected**	**Range**	**Units**	**Sample dates**	**Possible source(s) of contamination**
Haloacetic Acids 5 (HAA5)	33.9	10.2 - 55.0	ppb	Jan., April, July, Oct. 2018	Byproduct of drinking water disinfection
Brominated Haloacetic Acids 6 (HAABr6)	3.18	0.79 - 9.10	ppb	Jan., April, July, Oct. 2018	Byproduct of drinking water disinfection
Haloacetic Acids 9 (HAA9)	36.4	14.5 - 57.0	ppb	Jan., April, July, Oct. 2018	Byproduct of drinking water disinfection

Customers have a voice

As a community-owned utility, we encourage participation in decisions affecting our drinking water. Visit csu.org to learn how you can participate in our monthly Utilities Board meetings.

To request a printed copy of this report or for questions call (719) 668-4560 or visit **csu.org/waterquality**. Past reports are also available online.

Colorado Springs Utilities

It's how we're all connected