



Jefferson County, Colorado  
Planning & Zoning Division

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# WATER SUPPLY REPORT SUMMARY

Case Number  ODP/Subdivision Name

Complies with MGWOD?  Yes  No  NA

Standards referenced below are based on Section 21 (Water Supply) of the Land Development Regulation

## Standard 4.a.(1) - Potability Data: Bacteriological Test & Chemical Analyses (to be completed by Applicant)

Water Quality Parameter	Standard	Result	Complies	Water Quality Parameter	Standard	Result	Complies
Standard Bacteria	Absent			Lindane (g-BHC)	0.0002 mg/L		
Total Coliform Present/Absent Test				Magnesium	100 mg/L		
2,4,5-TP (Silvex)	0.05 mg/L			Manganese	0.05 mg/L		
2,4-D	0.07 mg/L			Mercury	0.002 mg/L		
Ammonia as N	1.5 mg/L			Methoxychlor	0.04 mg/L		
Arsenic	0.05 mg/L			Molybdenum	0.04 mg/L		
Barium	2.0 mg/L			Nitrate	10.0 mg/L		
Boron	0.6-1.0 mg/L			Phenolphthalein Activity (Alkalinity, phenolphthalein)	5-125 mg/L		
Cadmium	0.005 mg/L			Phosphate as P	25-100 ug/L		
Calcium as CaCO3	75 mg/L			Radium 226	3 pCi/L		
Chloride	250 mg/L			Selenium	0.05 mg/L		
Chromium	0.1 mg/L			Silver	0.10 mg/L		
Color	15 Color Units			Sodium	20 mg/L		
Copper	1.3 mg/L			Specific Conductance	50-500 micromhos/cm		
Dissolved Solids	500 mg/L			Sulfate	250 mg/L		
Endrin	0.002 mg/L			Total hardness of CaCO3	80-100 mg/L		
Fluoride	4.0 mg/L			Toxaphene	0.003 mg/L		
Gross Alpha	15 pCi/L			Tritium	20,000 pCi/L		
Gross Beta*	50 pCi/L			Turbidity	0.5-5.0 NTU		
Iron	0.3 mg/L			Zinc	5.0 mg/L		
Lead	0.015 mg/L						

\* Required for water supplies serving greater than 100,000 population

## Standards 4.a.(2) through (4) - Representative Test Well Data (to be completed by Applicant)

4.a.(2) Depth of well(s):   
(feet)

4.a.(2) Location of well(s):  Quarter of Section , T  S, R  W of the 6<sup>th</sup> PM

Distances From Section Lines:  feet from the  section line and  feet from the  section line

Latitude:  Longitude:   
use decimal format use decimal format

Format must be **UTM**, Units must be **Feet**, Datum must be **NAD83**,  
 Unit must be set to **true N, Zone 13**

4.a.(3) Pumping rate(s):   
gallons per minute (gpm)

4.a.(4) Duration of pump test(s):   
(hours)

**Standards 4.b. through i. - Statements Regarding Well Water Supply (to be completed by Applicant)**

4.b. The expected water requirements of the subdivision at full build-out including the various water uses to be permitted:	
4.c. The estimated consumptive use of water by the subdivision:	
4.d. The source of water for the subdivision and the dependability of this source:	
4.e. Evidence of ownership or right of acquisition of or use of existing and proposed water rights:	
4.f. An evaluation of the potential for material injury to existing water rights as a result of the subdivision, including the cumulative effect of on-lot wells:	
4.g. Historic use and estimated yield of claimed water rights:	
4.h. Amenability of existing water rights to a change in use:	
4.i. Type of sewage disposal system proposed:	

**Standard 5. - Detailed Water Supply Analysis Report (to be completed by Applicant)**

5.a.(1) Aquifer Test: Demonstrate the aquifer's ability to yield withdrawal rates that would satisfy the proposed uses.	
5.a.(2) One Aquifer Test conducted for each hydrogeologic production unit that will be pumped as a source of water.	
5.a.(3) A sufficient number of production wells tested so that the cumulative production rate is equal to or greater than the water supply requirements at build-out.	
5.a.(4) Production wells pumped at a combined rate that is equal to or greater than build-out rate for 8- hours or more.	
5.a.(5) All existing wells within 600 feet of test wells monitored during the aquifer test.	
5.a.(6) Production well(s) and observation well(s), if any, monitored for at least 24-hours after pumping stops or until 90% recovery has occurred.	
5.b. An evaluation of the adequacy of the water supply for the proposed uses.	

**Standard 7. - Report and Plan Preparation (to be completed by Applicant)**

7. Well water supply report prepared and signed by professional Geologist / Colorado professional engineer - qualified in the field of water resource engineering:	
7. Time of year field work was done:	
7. List of references and other supportive data:	<i>Please Attach List</i>

**Comments (to be completed by Jefferson County Staff)**

Waivers requested? If so, provide rationale and Case Number.	
Miscellaneous Comments	