



**DIVISION OF
ADMINISTRATION**
Public Health Laboratory

615 East Fourth Street
Pierre, South Dakota 57501-1700
605/773-3368 FAX: 605/773-6129
www.state.sd.us/doh/lab/index.htm

* Page 1 of 2*
Date: 3/12/2021

Submitter copy to:

BROOKINGS-DEUEL RWS-0430
PO Box 340
TORONTO, SD 57268

Spec #: E21EC000786
Subm #:
Lab: ENV CHEMISTRY
Tel #: (605) 773-3368

Source
BROOKINGS-DEUEL RWS

Date Rcvd: 3/3/2021	Source Sampled: WELL
Time Rcvd: 0812	Source: WELL
Date Coll: 3/2/2021	Tap Location: CLEAR LAKE PLANT
Time Coll: 0844	Telephone Numb*: 6057944201
Spec Type: WATER	Treatment: FLUORIDE, CHLORINE
Date Built: 1977	POTASSIUM
Field Temp 9.3	PARMANGANATE
Location CLEAR LAKE PLANT	Type of Sample: TREATED/ENTRY POINT
Site Location: CLEAR LAKE PLANT	Water Temp: 9.3 C
Source Name CLEAR LAKE WTP	Well Depth: 60'
WELL FIELD	medium water

Final Results

Nitrate	(Nitrate + Nitrite) -N	4.8 mg/L	Limit: <10.0
EPA 353.2		0.64 mg/L	
Fluoride		10.8 mg/L	
Chloride		<0.05 mg/L	
Iron, Total		<0.05 mg/L	
Manganese		95.0 mg/L	
Sulfate		461 mg/L	
SOLIDS, TOTAL DISS.			
Standard Method 2540C			
PH		7.37 pH UNITS	
Alkalinity-M		247 mg/L	
Alkalinity-P		0 mg/L	
Bicarbonate		301 mg/L	
Carbonate		0 mg/L	
Conductivity		707 umho/cm	
Calcium		102 mg/L	
Magnesium		30.3 mg/L	
SM3111B			
Hardness (calc)		379 mg/L	

(continued)



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Langlier Index	0.38
Sodium	4.6 mg/L
Potassium	2.8 mg/L

Specimen Comments:
%error = 1.7/3.8