Rev. 7/80

Field No. 1

☒ TC ☒ TM ☐ Nut ☐ Pest. ☐ Rad. ☐ Bact. ☐ Spec.

☐ PC ☐ PM ☐ BOD

Date Recd.: _____

Received By: _____

UTAH STATE DEPARTMENT OF HEALTH

ENVIRONMENTAL HEALTH

WATER ANALYSES

Sample No. 8 3760 701

Storet No. 702

Water Syst. No. 703 Source No. 704

Date Collected 8 0 0 8 2 8 714 (yr. mo. dy.)

Time Collected 1 7 5 0 610 (24-hour clock)

Water Rights No. 707

Exact Description of sampling Point 646

SOUTHEAST END POND
LARGE FROM DAM
THE PIPE

Supply Owned by A 712

Sample Type 710

Sample Collected by DW HADDEEZE 713

SEND REPORT TO: Phone

DIVISION OF LEASING 715
1588 W. NORTH TEMPLE 648
SALT LAKE CITY, UT 84116 717
zip code

Sample Source 719: 01 Spring, 02 Well, 03 Stream, 04 Lake, 06 Dist. syst., 07 Effluent, 08 Storm sewer, 14 Other, 15 Tunnel, 18 Artesian well, 19 Swimming pool

County 611: 01 Beaver, 02 Box Elder, 03 Cache, 04 Carbon, 05 Daggett, 06 Davis, 07 Duchesne, 08 Emery, 09 Garfield, 10 Grand, 11 Iron, 12 Juab, 13 Kane, 14 Millard, 15 Morgan, 16 Piute, 17 Rich, 18 Salt Lake, 19 San Juan, 20 Sanpete, 21 Sevier, 22 Summit, 23 Tooele, 24 Uintah, 25 Utah, 26 Wasatch, 27 Washington, 28 Wayne, 29 Weber

Current use ☐ 708

Proposed use ☐ 709

1. Culinary
2. Agriculture
3. Industrial
4. Other

1 FIELD TESTS

Temperature (°C)	792	CO_2, mg/l	572
D.O., mg/l	793	Depth, m	609
Sp. Cond. µ mhos	653	Cl Resid., mg/l	753
pH	651	Flow, MGD	652
Sp. Gravity	608	Flow, GPM	604
Transparency, m	649	Flow, cfs	659

2 WASTEWATER ANALYSIS

Temperature (°C) 650 pH 782 BACT. LAB. No.

	mg/l		mg/l		
B.O.D.$_5$	794	T.O.C.	671	M.P.N. Total Coliforms/100ml	658
Tot. Sus. Solids	787	C.O.D.	777	M.P.N. Fecal Coliforms/100ml	657
NO_2+NO_3,N	602	Cyanide	775	Fecal Strep C/100ml.	656
T.K.N.	778	Phenolics	783	M.F. Total Coliforms/100ml.	654
Oil & Grease	780	Sulfide	672	M.F. Fecal Coliforms/100ml.	655
				Plate Count-Org./ml.	599

3 CHEMICAL ANALYSIS

☐ Filtered ☐ Unfiltered

pH, units

me/l	CATIONS	mg/l	ug/l (ppb)	
	Ammonia as N			722
	Arsenic			723
	Barium			724
	Boron		3000	725
	Cadmium			727
16.40	Calcium	328		728
	Chromium			729
	Chromium, Hex. as Cr		<50	730
	Copper			732
	Iron, dissolved			733
	Lead			734
7.60	Magnesium	92		737
	Manganese			738
	Nickel			740
0.64	Potassium 25	33		742
	Selenium			743
	Silver			744
2.39	Sodium 55	136.5		745
	Zinc			749
27.	TOTAL CATIONS 500			

me/l	ANIONS	mg/l	
	Bicarbonate	90	758
	Carbon Dioxide	3	759
	Carbonate	0	760
0.39	Chloride	14	763
1.48	CO_3 Solids	44	
	Fluoride	3.4	765
	Hydroxide	0	767
	Nitrate as N	0.90	605
	Nitrite as N	<0.05	606
	Phosphorus, Ortho as P	0.02	607
	Silica, dissolved as SiO_2	4	750
24.	Sulfate	145	772
26.		1215	
	TOTAL ANIONS		
	GRAND TOTAL	1715	

Tot. Phosphorus	0.5	785
Total Alk. as $CaCO_3$	74	752
T. Hdns. as $CaCO_3$	1200	754
Surfactant as MBAS		773
Turbidity, as NTU	15	757
Sp. Gravity		608

TOTAL METALS ANALYSIS

CATIONS	mg/l	ug/l (ppb)	
Aluminum			800
Arsenic		2	660
Barium	0.5		661
Beryllium			801
Cadmium		<1	662
Chromium		<5	663
Cobalt			804
Copper		10	664
Gold			700
Iron	1.0		755
Lead		10	665
Manganese		30	666
Mercury		<1	739
Molybdenum			802
Nickel		10	667
Selenium		<1	668
Silver		<1	669
Uranium,			601
Vanadium			803
Zinc		10	670

6

Sp. Cond. µmhos/cm.	2010	762
TDS @ 180°C	1800	786

7 RADIOLOGICS

	pc/l-g		pc/l-g	
Alpha, gross		621	^{89}Sr	633
Beta, gross		623	^{131}I	635
Tritium, ^3H		625	^{134}Cs	637
^{226}Radium		627	^{137}Cs	639
^{228}Radium		629		
^{90}Sr		631		

INTERPRETATION OF ANALYSES:

Remarks:

Based on State Standards, this sample was:

	Satisfactory	Conditional	Unsatisfactory
B.O.D.$_5$			
Tot. Sus. Solids			
M.P.N. Total Coliform.			
M.P.N. Fecal Coliform.			

Analyses Approved By: Date: 12/24/80

By _____

ENVIRONMENTAL HEALTH

INSTRUCTIONS FOR COLLECTING WASTEWATER SAMPLES

1. Select point where sample will be representative and where foreign material will not be brushed into supply while sample is taken.
2. Remove cap from bottle carefully.
3. Collect sample by submerging the bottle and pushing forward with a slow, even motion so that the sample will be collected in a single stroke. If the bottle is more than 2/3 full, the excess should be removed before replacing the cap. This can best be done by flipping the water from the bottle.
4. Replace cap.

NOTE: Bottles contain a liquid or white powder (sodium thiosulfate). Do Not Rinse.

DO NOT TOUCH inside of bottle cap or top of bottle neck.

FOR LABORATORY USE ONLY

Date Rec'd_____ Date Rept'd_____

RESULTS OF ANALYSIS

	volume	Presumptive		Confirmed (BGL B B)					Fecal at 44.5°C		
	ml.	24	48	24	48	24	48	T	24	24	T
☐	10.0	/5	/5	/	/	/	/	/5	/	/	/5
☐	1.0	/5	/5	/	/	/	/	/5	/	/	/5
☐	10-1	/5	/5	/	/	/	/	/5	/	/	/5
☐	10-2	/5	/5	/	/	/	/	/5	/	/	/5
☐	10-3	/5	/5	/	/	/	/	/5	/	/	/5
☐	10-4	/5	/5	/	/	/	/	/5	/	/	/5
☐	10-5	/5	/5	/	/	/	/	/5	/	/	/5
☐	10-6	/5	/5	/	/	/	/	/5	/	/	/5

M P N Coliforms per 100 ml. M P N Fecal Coliforms per 100 ml.

_____ _____

RECEIVED
DEC 31
DIVISION
OIL, GAS & MINING

Rev. 7/80

Field No. 2

[X] TC [X] TM [ ] Nut
[ ] PC [ ] PM [ ] BOD

[ ] Pest.
[ ] Rad.
[ ] Bact.
[ ] Spec.

Date Recd.: _____

Received By: _____

UTAH STATE DEPARTMENT OF HEALTH

ENVIRONMENTAL HEALTH

WATER ANALYSES

Sample No. 8 3761 701

Storet No. _____ 702

Water Syst. No. _____ 703 Source No. _____ 704

Date Collected 80 08 28 714 (yr. mo. dy.)

Time Collected 1805 610 (24-hour clock)

Water Rights No. _____ 707

Exact Description of sampling Point: See page 2 point below emphasement of main impoundment is above 646

Supply Owned by: A 712

Sample Type _____ 710

Sample Collected by: TUSTER 713

SEND REPORT TO: Phone _____

UNIVERSAL COLLEGASMIN 715
UNIVERSITY NORTH TEMP 648
[illegible] zip code 717

Sample Source 719
01 Spring
02 Well
03 Stream
04 Lake
06 Dist. syst.
07 Effluent
08 Storm sewer
14 Other
15 Tunnel
18 Artesian well
19 Swimming pool

County 611
01 Beaver
02 Box Elder
03 Cache
04 Carbon
05 Daggett
06 Davis
07 Duchesne
08 Emery
09 Garfield
10 Grand
11 Iron
12 Juab
13 Kane
14 Millard
15 Morgan
16 Piute
17 Rich
18 Salt Lake
19 San Juan
20 Sanpete
21 Sevier
22 Summit
23 Tooele
24 Uintah
25 Utah
26 Wasatch
27 Washington
28 Wayne
29 Weber

Current use ------ [ ] 708
Proposed use ---- [ ] 709

1. Culinary
2. Agriculture
3. Industrial
4. Other

1 FIELD TESTS

Temperature (°C)	792	CO_2, mg/l	572
D.O., mg/l	793	Depth, m	609
Sp. Cond. µ mhos	653	Cl Resid., mg/l	753
pH	651	Flow, MGD	652
Sp. Gravity	608	Flow, GPM	604
Transparency, m	649	Flow, cfs	659

2 WASTEWATER ANALYSIS

Temperature (°C) 650 | pH 782 | BACT. LAB. No. _____

	mg/l		mg/l		
B.O.D.$_5$	794	T.O.C.	671	M.P.N. Total Coliforms/100ml	658
Tot. Sus. Solids	787	C.O.D.	777	M.P.N. Fecal Coliforms/100ml	657
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				Plate Count-Org./ml.	599

3 Filtered | Unfiltered

me/l	CATIONS	mg/l	ug/l (ppb)	
	Ammonia as N			722
	Arsenic			723
	Barium			724
	Boron		5000	725
	Cadmium			727
	Calcium	920		728
	Chromium			729
	Chromium, Hex. as Cr			730
	Copper			732
	Iron, dissolved			733
	Lead			734
	Magnesium	15		737
	Manganese			738
	Nickel			740
	Potassium	37		742
	Selenium			743
	Silver			744
	Sodium	13		745
	Zinc			749
	TOTAL CATIONS	850		

4 CHEMICAL ANALYSIS

pH, units _____

me/l	ANIONS	mg/l	
	Bicarbonate	18	758
	Carbon Dioxide		759
	Carbonate		760
0.73	Chloride	26	763
2.78	CO_3 Solids	96	
	Fluoride		765
	Hydroxide		767
	Nitrate as N	0.40	605
	Nitrite as N	0.05	606
	Phosphorus, Ortho as P	0.02	607
	Silica, dissolved as SiO_2	12	750
39	Sulfate	186	772
43		190	
	TOTAL ANIONS		
	GRAND TOTAL	2840	

Tot. Phosphorus	no sample		785
Total Alk. as $CaCO_3$	140		752
T. Hdns. as $CaCO_3$	190		754
Surfactant as MBAS			773
Turbidity, as NTU			757
Sp. Gravity			608

5 TOTAL METALS ANALYSIS

CATIONS	mg/l	ug/l (ppb)	
Aluminum			800
Arsenic			660
Barium			661
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Cadmium			662
Chromium			663
Cobalt			804
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Gold			700
Iron	1.97		755
Lead			665
Manganese			666
Mercury			739
Molybdenum			802
Nickel			667
Selenium			668
Silver			669
Uranium,			601
Vanadium			803
Zinc			670

6

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TDS @ 180°C		786

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Remarks:

Based on State Standards, this sample was:

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B.O.D.$_5$			
Tot. Sus. Solids			
M.P.N. Total Coliform.			
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Analyses Approved By: _____ Date: _____

By _____

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☐	10.0	/5	/5	/	/	/	/	/5	/	/	/5
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☐	10-2	/5	/5	/	/	/	/	/5	/	/	/5
☐	10-3	/5	/5	/	/	/	/	/5	/	/	/5
☐	10-4	/5	/5	/	/	/	/	/5	/	/	/5
☐	10-5	/5	/5	/	/	/	/	/5	/	/	/5
☐	10-6	/5	/5	/	/	/	/	/5	/	/	/5

M P N Coliforms per 100 ml. M P N Fecal Coliforms per 100 ml.

_____ _____