0030

Draft. ACT/007/001

Rev. 3/82

Field No. 1

☐ TC ☑ DC ☐ TM ☐ PM ☐ Nut ☐ BOD ☐ Pest. ☐ Rad. ☐ Bact. ☐ Spec.

Date Rec'd RECEIVED

Received By:

UTAH STATE DEPARTMENT OF HEALTH
ENVIRONMENTAL HEALTH
WATER ANALYSES

Jul 2285853493

Sample No. 701

Storet No. 702

Water System No. Source No. 703 704 — AUG 16 1985

Date Collected 850827 (yr. mo. dy.) 714

Time Collected 1330 (24-hour clock) 610

Water Rights No. DIVISION OF OIL GAS & MINING 707

Exact Description of sampling Point: Belina Mine sediment pond discharge 646

Supply Owned by 712

Sample Type 710

Sample Collected by: Sandy Pruitt 713

SEND REPORT TO: Phone 538 5340

DOGM
355 W N Temple 3 Triad Ctr
Suite 350 SLC UT 84180 715 648 717

zip code

Sample Source 719: 07
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: 04
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: 3
Proposed use 709: 2
1. Culinary
2. Agriculture
3. Industrial
4. Other

Cost Code 770: 350

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 (100)	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

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

me/l	ANIONS	mg/l
	Bicarbonate	758
	Carbon Dioxide	759
	Carbonate	760
	Chloride	763
	CO_3 Solids	
	Fluoride	765
	Hydroxide	767
	Nitrate as N	605
	Nitrite as N	606
	Phosphorus, Ortho as P	607
	Silica, dissolved as SiO_2	750
	Sulfate	772
	TOTAL ANIONS	
	GRAND TOTAL	
	Tot. Phosphorus	785
	Total Alk. as $CaCO_3$	752
	T. Hdns. as $CaCO_3$	754
	Surfactant as MBAS	773
	Turbidity, as NTU	757 (550)
	Sp. Gravity	608

pH, units 714

Sp. Cond. µmhos/cm.	762 (895)
TDS @ 180°C	786 (632)

TOTAL METALS ANALYSIS

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

Settleable Solids 2.0 ml/l/hr.

6 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			

Analyses Approved By: RED Date: 850812

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.			

By ENVIRONMENTAL HEALTH

Rev. 3/82 2

Field No. _____

☐ TC ☐ TM ☐ Nut ☐ Pest.
☑ DC ☐ PM ☐ BOD ☐ Rad. ☐ Bact. ☐ Spec.

Date Sent: _____ RECEIVED Received By: _____

UTAH STATE DEPARTMENT OF HEALTH
ENVIRONMENTAL HEALTH
WATER ANALYSES

Drutt ACT/007/001

Jul 22 85 853494

Sample No. 701

Storet No. _____ 702

Water System No. Source No. _____ 703 704

AUG 16 1985
DIVISION OF OIL, GAS & MINING

Date Collected 850727 (yr. mo. dy.) 714 Time Collected 1505 (24-hour clock) 715 Water Rights No. _____ 707

Exact Description of sampling Point: Bellina Mine discharge 716

Supply Owned by _____ 712

Sample Type _____ 710

Sample Collected by: Sandy Pruitt 713

SEND REPORT TO: Phone 538-5340
DOGM 715
Triad Ctr 648
717
zip code

Sample Source 07 719
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 04 611
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 3 708
Proposed use 2 709
1. Culinary
2. Agriculture
3. Industrial
4. Other

Cost Code 350 B 770

1 FIELD TESTS

Temperature (°C)	792	CO_2, mg/l	572
D.O., mg/l	793	Depth, m	609
Sp. Cond. µmhos	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	45 787	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 Filtered ☐ Unfiltered ☐

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

☑ Sp. Cond. µmhos/cm. 780 762
☑ TDS @ 180°C 534 786

4 CHEMICAL ANALYSIS

pH, units _____

me/l	ANIONS	mg/l	
	Bicarbonate		758
	Carbon Dioxide		759
	Carbonate		760
	Chloride		763
	CO_3 Solids		
	Fluoride		765
	Hydroxide		767
	Nitrate as N		605
	Nitrite as N		606
	Phosphorus, Ortho as P		607
	Silica, dissolved as SiO_2		750
	Sulfate		772
	TOTAL ANIONS		
	GRAND TOTAL		
	Tot. Phosphorus		785
	Total Alk. as $CaCO_3$		752
	T. Hdns. as $CaCO_3$		754
	Surfactant as MBAS		773
☑	Turbidity, as NTU	110	757
	Sp. Gravity		608

TOTAL METALS ANALYSIS

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

6 RADIOLOGICS

	pc/l-g			pc/l-g	
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Tot. Sus. Solids			
M.P.N. Total Coliform.			
M.P.N. Fecal Coliform.			

By _____ ENVIRONMENTAL HEALTH

0026

ACT/007/001

Rev. 3/82 3

Field No.

☐ TC ☑ PC ☐ TM ☐ PM ☐ Nut ☐ BOD

☐ Past. ☐ Bact. ☐ Spec.

RECEIVED

Date Recd.:

Received By:

AUG 16 1985

DIVISION OF OIL GAS & MINING

UTAH STATE DEPARTMENT OF HEALTH

ENVIRONMENTAL HEALTH

WATER ANALYSES

2285853495

Sample No. 701

Storet No. 702

Water Syst. No. 703 Source No. 704

Date Collected: 85 07 13 (yr. mo. dy.) 714

Time Collected: 1500 (24-hour clock) 410

Exact Description of sampling Point: Bellina mine discharge 716

Supply Owned by 712

Sample Type 710

Sample Collected by: Sandy Pruitt 713

SEND REPORT TO: Phone 538 5340

DOGM 715

Trigad 648

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zip code

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4. Other

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	Silver			744
	Sodium			745
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☑ Sp. Cond. µmhos/cm. 695 762

☑ TDS @ 180°C 464 786

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^{228}Radium		629			
^{90}Sr		631			

Analyses Approved By: RED Date: 8/08/02

INTERPRETATION OF ANALYSES:

Remarks:

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By

ENVIRONMENTAL HEALTH