0007

Document Information Form

Mine Number: C/015/018

File Name: Incoming

To: DOGM

From:

Person N/A

Company Utah State Department of Health

Date Sent: October 16, 1985

Explanation:

Water Analyses

cc:

File in:
C/ 015, 018, Incoming
Refer to:
- ☐ Confidential
- ☐ Shelf
- ☐ Expandable

Date _____ For additional information

RUSH NOV CT/015/018

RECEIVED
OCT 16 1985
DIVISION OF OIL, GAS & MINING

Rev. 3/82 Field No. 1

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

UTAH STATE DEPARTMENT OF HEALTH
ENVIRONMENTAL HEALTH
WATER ANALYSES

Date Recd.: _____
Received By: _____

Sample No. 056 701

Storet No. ____ 702
Water Syst. No. ____ 703 Source No. ____ 704
Date Collected 851011 714 (yr. mo. dy.)
Time Collected 1100 610 (24-hour clock)
Water Rights No. ____ 707

Exact Description of sampling Point: Deer Creek Mine runoff 646

Supply Owned by ____ 712
Sample Type ____ 710

Sample Collected by: Sandy Pruitt 713

SEND REPORT TO: Phone 538 5340
DOGM 715
Triad 3 Suite 350 648
SLC UT 717
zip code

Sample Source 719: 08
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: 08
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 4 708
Proposed use 2 709
1. Culinary
2. Agriculture
3. Industrial
4. Other

Cost Code 350 770

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	2225 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. 2090 762
☑ TDS @ 180°C 1180 786

4 CHEMICAL ANALYSIS

pH, units 7.6

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 $CaCO_3$		
T. Hdns. as $CaCO_3$		
Surfactant as MBAS		
Turbidity, as NTU		
Sp. Gravity		

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
		601
		803
		670

6 RADIOLOGICS

	pCi/l-g		pCi/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: REV Date: 851011

File in:
☐ Confidential
☐ Shelf
☐ Expandable
Refer to Record No. 0007 Date 10-16-85
In C/ 015, 018, Incoming
For additional information

INTERPRET
Remarks:

Conditional / Unsatisfactory:
Tot. Sus. Solids
M.P.N. Total Coliform.
M.P.N. Fecal Coliform.

By _____
ENVIRONMENTAL HEALTH

RUSH Non-Rush OCT/015/018

RECEIVED
OCT 16 1985
DIVISION OF OIL, GAS & MINING

Rev. 3/82
Field No. 1

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

UTAH STATE DEPARTMENT OF HEALTH
ENVIRONMENTAL HEALTH
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	Sodium			745
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	Nitrite as N		606
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	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
	Sp. Gravity		608

TOTAL METALS ANALYSIS

5 CATIONS

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	Manganese			666
	Mercury			739
	Molybdenum			802
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	Silver			669
	Uranium			601
	Vanadium			803
	Zinc			670

☑ Settleable Solids 6.0 ml/l/hr

6 RADIOLOGICS

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☐ Beta, gross		623		635
☐ Tritium, ^3H		625		637
☐ ^{226}Radium		627		639
☐ ^{228}Radium		629		
☐ ^{90}Sr		631		

INTERPRETATION OF ANALYSES:
Remarks:

Based on State Standards, this sample was:

	Satisfactory	Conditional	Unsatisfactory
BOD_5			
Tot. Sus. Solids			
M.P.N. Total Coliform.			
M.P.N. Fecal Coliform.			

Analyses Approved By: REJ Date: 851011

By _____
ENVIRONMENTAL HEALTH