0007

Document Information Form

Mine Number: C/007/005

File Name: Incoming

To: DOGM

From:

Person N/A

Company UTAH STATE DEPARTMENT OF HEALTH

Date Sent: N/A

Explanation:

ENVIRONMENTAL HEALTH WATER ANALYSIS.

cc:

File in:
C/ 007 , 005 , Incoming
Refer to:
- ☐ Confidential
- ☐ Shelf
- ☐ Expandable

Date _____ For additional information

ACT/007/005 #9

Rev. 3/82

Field No. 1

TC / PC / TM / PM / Nut / BOD / Pest. / Rad. / Bact. / Spec.

Date Recd.:

Received By:

UTAH STATE DEPARTMENT OF HEALTH

ENVIRONMENTAL HEALTH

WATER ANALYSES

Sample No. 004588 (701)

Storet No. (702)

Water Syst. No. (703) Source No. (704)

Date Collected 850906 (714) (yr. mo. dy.)

Time Collected 1130 (610) 24-hour clock

Water Rights No. (707)

Exact Description of sampling Point: Skyline Mine discharge (646)

Supply Owned by (712)

Sample Type (710)

Sample Collected by: Sandy Praitt (713)

SEND REPORT TO: Phone 538 5340

DOGM (715)

Triad Suite 350 (648)

SLC UT 84180 1203 (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: 3 (708)

Proposed use: 2 (709)

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

Cost Code: 350 (770) B

RECEIVED OCT 11 DIVISION OF OIL GAS & MINING

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	28 (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	<5 (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
3.38	Calcium	68		728
	Chromium			729
	Chromium, Hex. as Cr			730
	Copper			732
	Iron, dissolved			733
	Lead			734
2.47	Magnesium	30		737
	Manganese			738
	Nickel			740
	Potassium			742
	Selenium			743
	Silver			744
	Sodium			745
	Zinc			749
	TOTAL CATIONS			

Sp. Cond. µmhos/cm. 600 (762)

TDS @ 180°C 354 (786)

4 CHEMICAL ANALYSIS

pH, units 7.9

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 $CaCO_3$	293	754
	Surfactant as MBAS		773
	Turbidity, as NTU		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	.15		755
Lead			665
Manganese		10	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	
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: RSQ Date: 851008

File in:
- ☐ Confidential
- ☐ Shelf
- ☐ Expandable

Refer to Record No 0007 Date

In C/ 007, 005, Incoming

For additional information

Standards, Satisfactory / Conditional / Unsatisfactory

ids

Coliform.

Coliform.

ACT/007/005 #9

Rev. 3/82

Field No.

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

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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	28 787	☐ C.O.D.	777	☐ M.P.N. Fecal Coliforms/100ml	657
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	Nickel			740
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	Silver			744
	Sodium			745
	Zinc			749
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^{226}Radium		627	^{137}Cs	639
^{228}Radium		629		
^{90}Sr		631		

Analyses Approved By: RSO Date: 851008

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