Oct. 29, 1992

— LOWELL RESPONDING TO MR. MOORE IN A LETTER

DOGM
MINERALS PROGRAM
FILE COPY

M/053/002

To: Wayne Hedberg
Oil Gas and Mining
3 Triad Center
Suite 350
355 West North Temple
Salt Lake City, Utah
84180-1203

RECEIVED
OCT 30 1992
DIVISION OF
OIL GAS & MINING

HAND DELIVERED

FROM: Hidden Valley Water Users Association (HVWUA)

Subject: FIVE M Mining clean up

M/053/002

1. We are a small water company located west of Leeds and below Silver Reef, Washington, County, Utah.

2. Our concerns about this cleanup by the EPA is that our water well Is close to the old Five M mining site recovery area, and our irrigation water ditch runs close to the Five M tank and pond area. Our water well has been tested and found to contain a high level of gross alpha radiation. The Irrigation rights date back to the 1850s or 1860s and I am concerned that any clean up does not disturb our irrigation ditch. I am also concerned about any previous action taken to determine if the Five M mining operation has spread contamination into our drinking water well.

3. I understand that the federal EPA is soon to conduct a survey of the old Five M mining site. I would like to be informed when this takes place so that I might attend any on site visit by your office or the state and federal Environmental people.

4. I had a telephone conversation with Tony Gallegos on the 29th of Oct, 1992. The conversation concerned our water well, irrigation ditch and the open old electric transformers and the oil being spilled from the transformers. we also talked about the rain water filling the ponds and overflowing into the area just above our drinking water well. Mr Gallegos was given Ken Bowsfield's phone number for the water quality (538 6159), and Jason Knowlton's Dept of Environmental Quality (538 4121).

5. My address is David Moore
2114 North, 450 west
Sunset Utah, 84015
You could reach me by calling 879 2417. This is Mr Dorchucks home phone in Silver Valley. Leave a message for me to call your office.
My home phone in Sunset is 801 773 6893. I am retired (supposed to be) and try to live two weeks each month at Silver valley.

David Moore President HVWUA

David Moore

SILVER VALLEY ESTATES

Choice 1 acre Ranchettes in a Beautiful Hidden Valley 13 miles north of St. George, Utah (Near Silver Reef)

Water
Power
Horses
Views
Serenity
Privacy

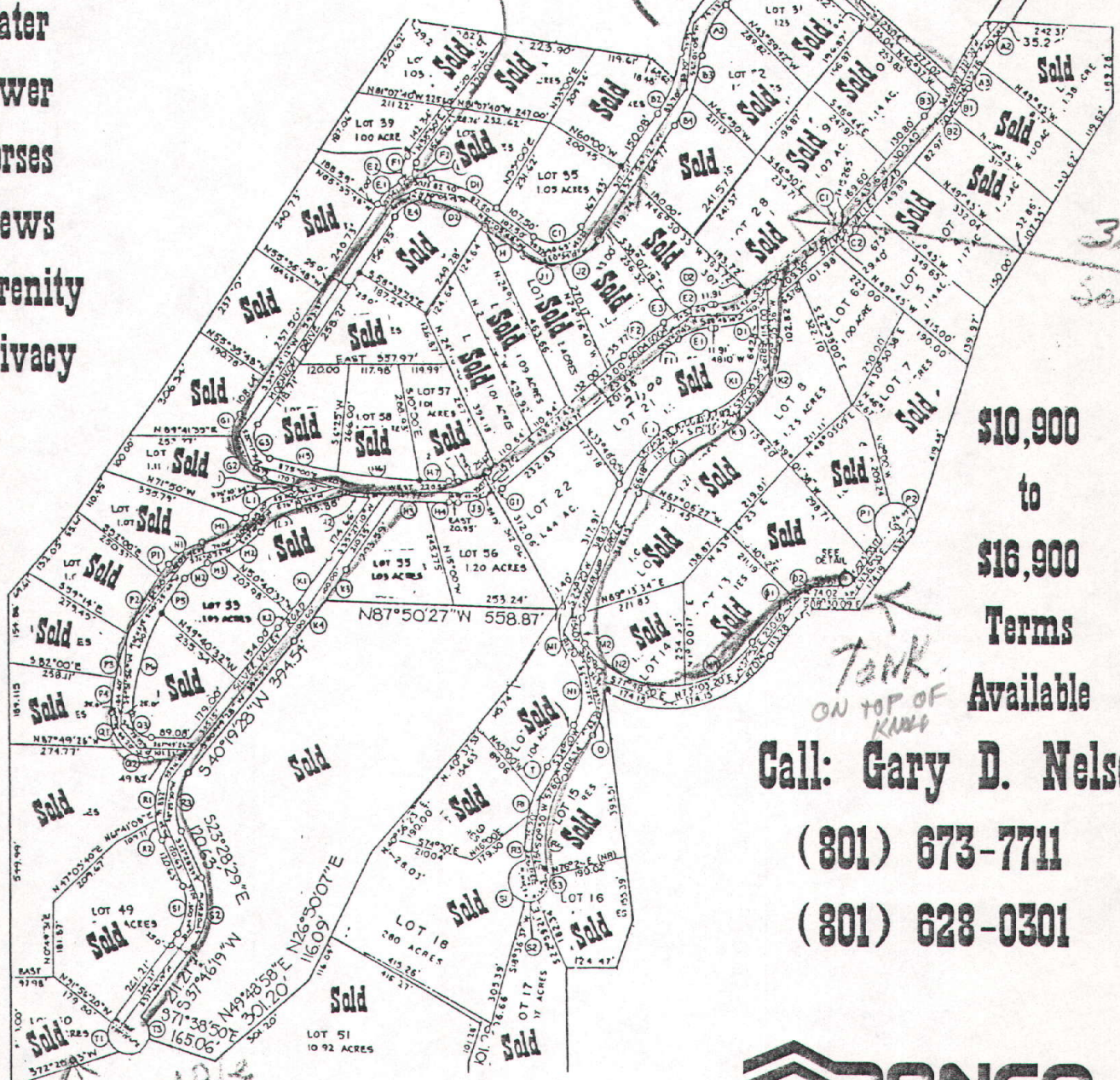
Leeds & I-15

well

2nd sample

THIS ROAD VISIBLE ON MAP

3rd sample



Tank ON TOP OF KNOLL

1st sample

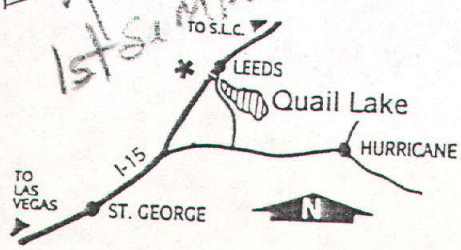
$10,900 to $16,900

Terms Available

Call: Gary D. Nelson

(801) 673-7711

(801) 628-0301



RANCO INC.

REAL ESTATE MARKETING and MANAGEMENT

Office: (801) 673-6777

WELL
HIDDEN VALLEY WATER
2114 N 450 W
SUNSET UT 84015 5

UTAH STATE HEALTH DEPARTMENT
DIVISION OF LABORATORY SERVICES
Environmental Chemistry Analysis Report

Description: WELL
Site ID: Source: 00
Cost Code: 361B
Lab Number: 9205255 Type: 04
Sample Date: 92/08/10 Time: 12:45
Tot. Cations:
Tot. Anions: mg/l Cations: me/l
Grand Total: mg/l Anions: me/l

Date of Review and QA Validation
Inorganic Review:
Organic Review:
Radiochemistry Review: 92/10/28
Microbiology Review:

Laboratory Analyses

Alpha, grs	31.0 pc/l	+/-3.0	226 Radium	6.0 pc/l
228 Radium	<1.0 pc/l			

For consultation or assistance, please call the Bureau of Drinking Water/ Sanitation at 538-6159

EXCEEDS PRIMARY DRINKING WATER STANDARD(S) FOR Radium 226 CALL YOUR LOCAL HEALTH DEPT. FOR FURTHER INFORMATION.

STATE HEALTH LABORATORY
44 MEDICAL DR. SALT LAKE CITY UTAH 84113 PHONE 533-6131
RADIOCHEMICAL ANALYSIS REPORT

DATE AND TIME REPORTED 26 OCT 1992 4:09:57 PM

SAMPLE NO:	925255.	DATE COLLECTED:	81092.
ACESSION NO:	920127.	TIME COLLECTED:	1245.
STORET/SYSTEM NO:	0.	DATE RECEIVED:	81792.
SAMPLE TYPE:	DRINKING	SUBMITTED BY:	8PWS

SAMPLING LOCATION: WELL (SUNSET)

Rev. 28 oct

ANALYSIS	PCI/L	SAMPLE ERROR	ACTION LEVEL
GR ALPHA	31.	3.	5.
RA-226	6.	0.	3.
RA-228	LESS THAN MINIMUM DETECTABLE CONCENTRATION		
URANIUM	NO ANALYSIS		

****

ALERT: ACTION LIMIT FOR GR ALPHA HAS BEEN EXCEEDED--SEE BELOW

ALERT: ACTION LIMIT FOR RA-226 HAS BEEN EXCEEDED--SEE BELOW

********** COMMENTS **********
1) AN ALPHA ON A DRINKING WATER WHICH EXCEEDS 5 PCI/L REQUIRES RA-226
2) AN ALPHA ON A DRINKING WATER WHICH EXCEEDS 15 PCI/L REQUIRES URANIUM
3) AN RA-226 ON A DRINKING WATER WHICH EXCEEDS 3 PCI/L REQUIRES RA-228

ESTIMATED MINIMUM DETECTABLE CONCENTRATION (MDC).
500 ML SAMPLE
GROSS ALPHA.....2.0 PCI/L
GROSS BETA.....10.0
TRITIUM.....500.0
RA-226.....0.5
RA-228.....1.0

FOR CONSULTATION OR ASSISTANCE PLEASE CALL ENVIRONMENTAL HEALTH SERVICES, BUREAU OF PUBLIC WATER SUPPLY. PHONE 801-533-4207

TAP IN HOME 300 W
DAVID D.MOORE
2114 N 450 W
SUNSET UT 84015 773-6893

UTAH STATE HEALTH DEPARTMENT
DIVISION OF LABORATORY SERVICES
Environmental Chemistry Analysis Report

Description:	TAP IN HOME 300 W				
Site ID:	27074	Source:	00	Date of Review and QA Validation	
Cost Code:	361B			Inorganic Review:	
Lab Number:	9206403	Type:	04	Organic Review:	
Sample Date:	92/09/07	Time:	14:00	Radiochemistry Review:	92/10/28
Tot. Cations:				Microbiology Review:	
Tot. Anions:		mg/l	Cations:	me/l	
Grand Total:		mg/l	Anions:	me/l	

Laboratory Analyses

Alpha, grs	45.0 pc/l	+/-5.0	226 Radium	4.0 pc/l	+/-1.0
228 Radium	<1.0 pc/l		T-Uranium	49 ug/l	+/-5.0

For consultation or assistance, please call the Bureau of Drinking Water/
Sanitation at 538-6159

PLEASE PRINT

ENVIRONMENTAL CHEMISTRY WATER ANALYSIS

LAB NO: Sep 1 092006403

WATER SYSTEM NO: _____ SOURCE NO: _____

Hidden Valley Water Assn 1550

COST CODE: _____

Account # _____

COLLECTED BY: D Moore DATE COLLECTED: 7 Sept 8 (yy/mm/dd) TIME COLLECTED: 1400 (24HR.CLOCK)

WATER USED FOR: DRINKING: X ENVIRONMENTAL: ____ OTHER: _____

EXACT DESCRIPTION OF SAMPLING POINT: 300 west Home on water system in Hidden Valley, Washington County, Utah

SEND REPORT TO: David D Moore PHONE NO: 773 6893

ADDRESS: 2114 N 450 W CITY: Sunset STATE: UT ZIP: 84015

==========

SAMPLE TYPE

___CHEMISTRY ___METALS ___NUTRIENT ___BOD X RADIOLOGIC ___THM ___MAX THM ___SPEC

Gross alpha

PARAMETERS

___BOD
___TSS
___TKN
___TOC
___COD
___TDS @180°C

___Cyanide*
___Phenolics*
___Sulfide*
___Oil & Grease*
___pH

RADIOLOGICAL
X Alpha, Gross
___Beta, Gross
___^{226}Radium
___^{228}Radium
___Uranium

DISSOLVED METALS

___Arsenic
___Barium
___Boron
___Cadmium
___Chromium
___Calcium
___Copper
___Iron
___Mercury
___Lead
___Magnesium
___Manganese
___Nickel
___Potassium
___Selenium
___Silver
___Sodium
___Zinc

ANIONS

___Bicarbonate
___Carbon Dioxide
___Carbonate
___Chloride
___CO_3Solids
___Fluoride
___Hydroxide
___Nitrate & Nitrite
___Silica
___Sulfate

TOTAL METALS

___Aluminum
___Arsenic
___Barium
___Beryllium
___Cadmium
___Chromium
___Cobalt
___Copper
___Iron
___Lead
___Manganese
___Mercury
___Molybdenum
___Nickel
___Selenium
___Silver
___Vanadium
___Zinc

SAMPLE MUST BE FILTERED IN THE FIELD FOR DISSOLVED TESTS

___Total Phosphorus
___Total Alk. as $CaCO_3$
___Total Hardness as $CaCO_3$
___Turbidity as NTU
___Sp. Cond (umhos/cm)
___Ammonia
___Other: _____

BY APPOINTMENT ONLY
___Nitrate ___Chromium, Hex
___Nitrite
___Phosphorus, Ortho

==========

LAB USE ONLY: 1-2-3-4-5-6-7-8-9-10-11
12-13-14-15-16-17-18-19-20-21-22-23
24-25-26-27-28-29-30-31-32-33-34-35
36-37-38-39-40-41-42-43-44-45-46-47
48-49-50-51-52-53-54-55-56-57-58-59
60-61-62-63-64-65-66-67-68-69-70

* Special bottles must be used to run these tests.

TESTING WILL NOT BE PERFORMED UNLESS SLIP IS COMPLETELY FILLED OUT AND PROPER CONTAINERS ARE USED. CONTAINERS ARE AVAILABLE FROM THE LAB OR LOCAL DISTRICT HEALTH DEPARTMENTS.

STATE OF UTAH DEPT. OF HEALTH
DIVISION OF LABORATORY SERVICES
46 North MEDICAL DRIVE
SALT LAKE CITY, UTAH 84113
(801)584-8400

920154

PLEASE PRINT

ENVIRONMENTAL CHEMISTRY WATER ANALYSIS

LAB NO: Sep 109200 6403

WATER SYSTEM NO: 27074 SOURCE NO: 02
Hidden Valley Water 4sen 9550c

COST CODE:
Account #

COLLECTED BY: D Moore DATE COLLECTED: 7 Sept 92 (yy/mm/dd) TIME COLLECTED: 1400 (24HR.CLOCK)

WATER USED FOR: DRINKING: X ENVIRONMENTAL: ___ OTHER:

EXACT DESCRIPTION OF SAMPLING POINT: 300 west Home Taps on water system in Hidden Valley Washington County Utah

SEND REPORT TO: David D Moore PHONE NO: 773 6893

ADDRESS: 2114N 450W CITY: Sunset STATE: UT ZIP: 84015

SAMPLE TYPE

___CHEMISTRY ___METALS ___NUTRIENT ___BOD X RADIOLOGIC ___THM ___MAX THM ___SPEC

Gross alpha

PARAMETERS

___BOD
___TSS
___TKN
___TOC
___COD
___TDS @180°C

___Cyanide*
___Phenolics*
___Sulfide*
___Oil & Grease*
___pH

RADIOLOGICAL
X Alpha, Gross
___Beta, Gross
___^{226}Radium
___^{228}Radium
___Uranium

DISSOLVED METALS

___Arsenic
___Barium
___Boron
___Cadmium
___Chromium
___Calcium
___Copper
___Iron
___Mercury
___Lead
___Magnesium
___Manganese
___Nickel
___Potassium
___Selenium
___Silver
___Sodium
___Zinc

ANIONS

___Bicarbonate
___Carbon Dioxide
___Carbonate
___Chloride
___CO_3Solids
___Fluoride
___Hydroxide
___Nitrate & Nitrite
___Silica
___Sulfate

TOTAL METALS

___Aluminum
___Arsenic
___Barium
___Beryllium
___Cadmium
___Chromium
___Cobalt
___Copper
___Iron
___Lead
___Manganese
___Mercury
___Molybdenum
___Nickel
___Selenium
___Silver
___Vanadium
___Zinc

SAMPLE MUST BE FILTERED IN THE FIELD FOR DISSOLVED TESTS

___Total Phosphorus
___Total Alk. as $CaCO_3$
___Total Hardness as $CaCO_3$
___Turbidity as NTU
___Sp. Cond (umhos/cm)
___Ammonia
___Other:

BY APPOINTMENT ONLY
___Nitrate ___Chromium, Hex
___Nitrite
___Phosphorus, Ortho

LAB USE ONLY: 1-2-3-4-5-6-7-8-9-10-11
12-13-14-15-16-17-18-19-20-21-22-23
24-25-26-27-28-29-30-31-32-33-34-35
36-37-38-39-40-41-42-43-44-45-46-47
48-49-50-51-52-53-54-55-56-57-58-59
60-61-62-63-64-65-66-67-68-69-70

* Special bottles must be used to run these tests.

TESTING WILL NOT BE PERFORMED UNLESS SLIP IS COMPLETELY FILLED OUT AND PROPER CONTAINERS ARE USED. CONTAINERS ARE AVAILABLE FROM THE LAB OR LOCAL DISTRICT HEALTH DEPARTMENTS.

STATE OF UTAH DEPT. OF HEALTH
DIVISION OF LABORATORY SERVICES
46 North MEDICAL DRIVE

****
* LAB NUMBER 92015~~1~~4 *
****

	SUSPENDED	DISOLVED	
SAMPLE VOLUMN	0.	30.	
CORRECTED		30.0000	
VIAL NUMBER		0.00000	
TARE		0.00000	
WEIGHT		0.00000	
NET		0.00000	
PLANCHET NUMBER	0.	134.	
TARE	0.00000	8.41035	
WEIGHT	0.00000	8.45199	
NET	0.00000	0.04164	
BETA COUNT	0.	0.	
COUNT TIME	1.	1.	
BACKGROUND	0.	0.	
NET	0.	0.	
NET CPM	0.0000	0.0000	
EFFICIENCY	0.0000	0.1620	
ACTIVITY PCI/L	0.0000	0.0000	
SAMPLE ERROR +/-	0.0000	0.0000	
TOTAL ERROR +/-	0.0000	0.0000	
** GROSS PCI/L			0.0000
ALPHA COUNT	0.	317.	
COUNT TIME	1.	600.	
BACKGROUND	0.	3.	
NET	0.	314.	
NET CPM	0.0000	0.5233	
EFFICIENCY	0.0000	0.1752	
ACTIVITY PCI/L	0.0000	44.8489	
SAMPLE ERROR +/-	0.0000	0.1502	
TOTAL ERROR +/-	0.0000	5.0079	
** GROSS PCI/L			44.8489

044 pc/g

Dave Moore
773-6893

Norman H. Bangerter
Governor
Kenneth L. Alkema
Executive Director
Kent P. Gray
Director

State of Utah

DEPARTMENT OF ENVIRONMENTAL QUALITY
DIVISION OF ENVIRONMENTAL RESPONSE AND REMEDIATION

1950 West North Temple
Salt Lake City, Utah
(801) 536-4100
(801) 536-4099 Fax

Reply to: State of Utah
Division of Environmental Response and Remediation
Department of Environmental Quality
Salt Lake City, Utah 84114-4840

ERRC-641-92

LaVarr B. Webb
425 E. 900 S. #432
St. George, Utah 84770

Dear Mr. Webb:

Enclosed are the analytical results from a ground water sample collected from the Hidden Valley Water Users Association well, located north of the Hidden Valley Estates, and south of the 5M ore processing facility, near Leeds, Utah. The sample was collected July 31, 1990, as part of the Leeds Silver Reclamation Site (EPA # UTD981550619) Superfund Site Investigation. An additional sample which was collected for the analysis of radionuclides was not analyzed.

Please contact Mr. Jason Knowlton if you have any questions concerning this data or the site activities. We appreciate your cooperation in our investigation of this site.

Sincerely,

Ursula K. Trueman

Ursula K. Trueman
Division of Environmental Response and Remediation

UKT/JLK/ep

JLK 10/23/92
BTJ 10/23/92

Enclosure

cc: David Moore

Printed on recycled paper

DATA QUALIFIER DEFINITIONS

U - The repoted value is the detection limit. Compound was not detected.

[ ] - The associated numerical value is an estimated value because the amount detected is below the contract required detection limit. Presence of the material is reliable.

UJ - The reported detection limit is estimated because quality control criteria were not met. Compound was not detected.

U.S. EPA - CLP

LS-GW-01

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MHP744

ame: Chemtech Consulting Group Contract: 68-W8-0061

Code: CHEM Case No.: 14662 SAS No.: 5512HQ SDG No.: MHP744

rix (soil/water): WATER Lab Sample ID: 00412-01S

el (low/med): LOW Date Received: 08/03/90

olids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	69.00	U	U	P
7440-36-0	Antimony	48.00	U	U	P
7440-38-2	Arsenic	[8.70]	B		F
7440-39-3	Barium	[44.00]	B		P
7440-41-7	Beryllium	[2.30]	B		P
7440-41-7	Cadmium	5.00	U	U	P
7440-70-2	Calcium	94600.00			P
7440-47-3	Chromium	9.00	U	U	P
7440-48-4	Cobalt	14.00	U	U	P
7440-50-8	Copper	21.00	U	U	P
7439-89-6	Iron	116.00			P
7439-92-1	Lead	20.00	U	UJN	F
7439-95-4	Magnesium	46000.00			P
7439-96-5	Manganese	122.00			P
7439-97-6	Mercury	0.36			CV
7440-02-0	Nickel	27.00	U	U	P
7440-09-7	Potassium	[3000.00]	B		A
7782-49-2	Selenium	30.00	U	U W	F
7440-22-4	Silver	8.00	U	UJN	P
7440-23-5	Sodium	46200.00			P
7440-28-0	Thallium	5.00	U	U W	F
7440-62-2	Vanadium	24.00	U	U	P
7440-66-6	Zinc	35.40			P
	Cyanide				NR

or Before: COLORLESS Clarity Before: CLEAR Texture:

or After: COLORLESS Clarity After: CLEAR Artifacts:

ents:

000003