



U.S. Department of Energy

Grand Junction Office
2597 B³/₄ Road
Grand Junction, CO 81503

APR 19 2000

Mr. Michael Layton
Nuclear Regulatory Commission
Mail Stop T7J8
Washington, D.C. 20555

Subject: May 2000 UMTRA Ground Water Sampling at Riverton, Wyoming

Dear Mr. Layton:

Per the approved Ground Water Compliance Action Plan, the Department of Energy-Grand Junction Office will conduct water sampling at the Riverton UMTRA site starting May 8, 2000.

Enclosed is information pertinent to the ground water monitor wells and this sampling event. If there are any questions, please contact me at 970/248-7612.

Sincerely,

A handwritten signature in black ink, appearing to read "Donald R. Metzler", is written over a large, stylized flourish that extends to the right.

Donald R. Metzler
Technical/Project Manager

Enclosures

cc w/o enclosure:

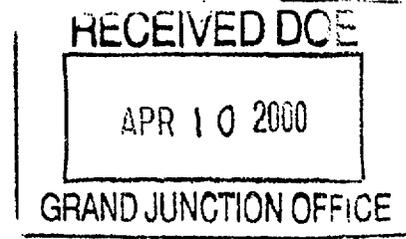
D. Aragon, Wind River Environmental Quality Commission
S. Marutzky, MACTEC-ERS
Project File GWRIV14.6 (P. Taylor)

drm\4-18nrc.doc

WMM-60
NM5508

CONTRACT NO.: DE-AC13-96GJ87335
 TASK ORDER NO.: MAC00-05
 CONTROL NO.: 3100-T00-0548

April 6, 2000



Project Manager
 Department of Energy
 Grand Junction Office
 2597 B3/4 Road
 Grand Junction, CO 81503
 ATTN: Donald Metzler

SUBJECT: Contract No. DE-AC13-96GJ87335—May 2000 UTMRA Ground Water Sampling at Riverton, Wyoming

Dear Mr. Metzler:

Attached are the map and tables specifying the sampling locations and analytes for routine monitoring at the Riverton, Wyoming, UMTRA site. Water quality data will be collected from monitor wells at this site as part of the routine UMTRA Ground Water sampling which is scheduled to begin May 8, 2000.

The following lists show the Ground Water Project well locations (with the associated zone of completion) and surface water locations that will be sampled during this sampling event.

Ground Water Project Monitor Wells (filtered)*

705 Se	707 Sf	716 Sf	718 Sf	722 Sf	731 Sf	735 Se
706 Sf	710 Sf	717 Se	719 Se	723 Se	732 Se	

*NOTE: Se = Semi-confined sandstone; Sf = surficial

Surface Water (filtered)

747	749	794	796
-----	-----	-----	-----

Data loggers will be downloaded from the following locations:

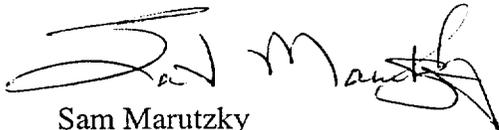
707	709	716	789
-----	-----	-----	-----

QA/QC samples will be collected as directed in the *Sampling and Analysis Plan for the UMTRA Ground Water Project*. Samples collected for alkalinity will be filtered and unfiltered. Water level information will be collected from the sampled wells only. Monitor well inspections will be conducted and documented to confirm the status of all sampled wells. Access agreements are being reviewed and are expected to be completed by the beginning of fieldwork.

Donald Metzler
April 6, 2000
Page 2
Control No.: 3100-T00-0548

If you have any questions, please call me at extension 6059 or Dave Miller at extension 6652.

Sincerely,

A handwritten signature in black ink, appearing to read "Sam Marutzky". The signature is fluid and cursive, with a large initial "S" and "M".

Sam Marutzky
Project Manager

SM/lcg/ld
Attachments

cc w/o att: D. Miller
K. Miller
D. Traub
Contract File (J. Dearborn)

cc w/att: C. Bahrke
R. Chessmore
Project Record File GWRVT 14.06 thru P. Taylor

**Sampling Frequencies for Locations at
Riverton, Wyoming**

Wells	Quarterly	Semiannually	Annually	Biennially	Not Sampled	Notes
Ground Water Project Monitor Wells						
705			X			
706			X			
707			X			
710			X			
716			X			
717			X			
718			X			
719			X			
722			X			
723			X			
731			X			
732			X			
735			X			
Surface Water/Sediment Locations						
747			X			
749			X			
794			X			
796			X			

**Constituent Sampling Breakdown
For Individual UMTRA Sites**

Site	Riverton	
	Ground Water	Surface Water
Approx. No. Samples/yr	13	4
<i>Field Measurements</i>	<i>GW</i>	<i>GW</i>
Alkalinity	X	X
Dissolved Oxygen		
Redox Potential	X	X
pH	X	X
Specific Conductance	X	X
Turbidity	X	
Temperature	X	X
<i>Laboratory Measurements</i>	<i>GW</i>	<i>GW</i>
Aluminum		
Ammonium		
Antimony		
Arsenic	X	X
Barium		
Beryllium		
Bromide		
Cadmium		
Calcium		
Chloride		
Chromium		
Fluoride		
Gamma Spec		
Gross Alpha		
Gross Beta		
Iron		
Lead		
Lead-210		
Magnesium		
Manganese	X	X
Molybdenum	X	X

**Constituent Sampling Breakdown
For Individual UMTRA Sites**

Site	Riverton	
	Ground Water	Surface Water
<i>Laboratory Measurements (Continued)</i>	<i>GW</i>	<i>GW</i>
Nickel	X	X
Nickel-63		
Nitrate		
Nitrite		
PCBs		
Phosphate		
Polonium-210		
Potassium		
Radium-226		
Radium-228		
Selenium		
Silica		
Sodium		
Strontium		
Sulfate	X	X
Sulfide		
Thallium		
Thorium-230		
Tin		
Total Dissolved Solids	X	X
Total Hardness		
Total Suspended Solids		
Uranium	X	X
Vanadium		
Zinc		
Total Analytes	6	6

Note: All samples are considered filtered unless stated otherwise. All private well samples are to be unfiltered. The total number of analytes does not include field parameters.

* The left number represents Ground Water Project samples and the right number represents LTSM Project samples.

**THIS PAGE IS AN
OVERSIZED DRAWING
OR FIGURE,
THAT CAN BE VIEWED AT
THE RECORD TITLED:**

**GIS Document Number: UGW-0
UMTRA Ground Water Field
Sampling Plan
RIVERTON**

**WITHIN THIS PACKAGE...OR,
BY SEARCHING USING THE
DOCUMENT/REPORT
NUMBER:**

GIS Document Number: UGW-0

NOTE: Because of this page's large file size, it may be more convenient to copy the file to a local drive and use the Imaging (Wang) viewer, which can be accessed from the Programs/Accessories menu.

D-1