

APPENDIX A

**FIELD EXPLORATION PROGRAM
WORK PLAN**

APPENDIX A**WORK PLAN FOR THE PHASE 2 FIELD EXPLORATION PROGRAM**

The portion of the Phase 2 geotechnical field exploration program conducted by Golder Associates Inc. (Golder) was conducted in general accordance with the Work Plan developed by Golder in October 2007. The Work Plan is provided for reference in Appendix A-1. Kleinfelder West Inc. (Kleinfelder) conducted a supplemental Phase 2 geotechnical field exploration program to investigate conditions for design of mill foundations and access roads, presented under separate cover.

APPENDIX A-1

WORK PLAN

TECHNICAL MEMORANDUM

Bob Monok
Energy Fuels Resources

-2-

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073-81694

SAMPLING

Geotechnical sampling of the borings listed in Table 1 is to be conducted as follows:

- Modified California Barrel SPT samples will be collected at 5-foot intervals while augering at all boring locations (i.e., 5-ft, 10-ft, 15-ft, etc.);
- Split spoon samplers will be used in place of or in conjunction with modified California samplers at the discretion of the Golder field representative;
- Shelby Tubes will be pushed where soft soils are encountered at the discretion of the Golder field representative; and
- All rock core recovered during coring operations will be collected in suitable boxes supplied by the driller.

The drilling contractor is responsible for providing all sampling and testing equipment to complete the geotechnical drilling program. This includes core boxes, Shelby tubes and end caps, California barrel sampler and brass liners/end caps, split spoon samplers, Packer testing equipment, and others as required.

HOLE ABANDONMENT

Assuming no groundwater is encountered, all holes are to be backfilled with cuttings to within approximately 5 ft of the surface. The upper 5 ft shall be sealed with a bentonite plug. If groundwater is encountered, piezometers may be installed at the discretion of the Golder field representative. Piezometers are to be constructed with 2-inch schedule 80 PVC and a 10-foot screened interval located as directed by the Golder field representative. Based on preliminary drilling conducted on site, it is anticipated that no groundwater will be encountered in any of the borings.

CLOSING

Golder appreciates the opportunity to work on this exciting project. Please contact Kimberly Morrison at (303) 980-0540 if you have any questions about this work plan.

TABLE 1
PROPOSED WORK PLAN SUMMARY

Area Description	Approximate Size (acres)	Number of Proposed Borings	Boring Depth (ft)	Total Depth of Drilling (ft)
Evaporation Pond Area	80	17	30	510
Tailings Area (Note 1)	60	29	100 (13 borings) 50 (13 borings)	1,950
Ore Pad 5	5	3	50	150

Notes:

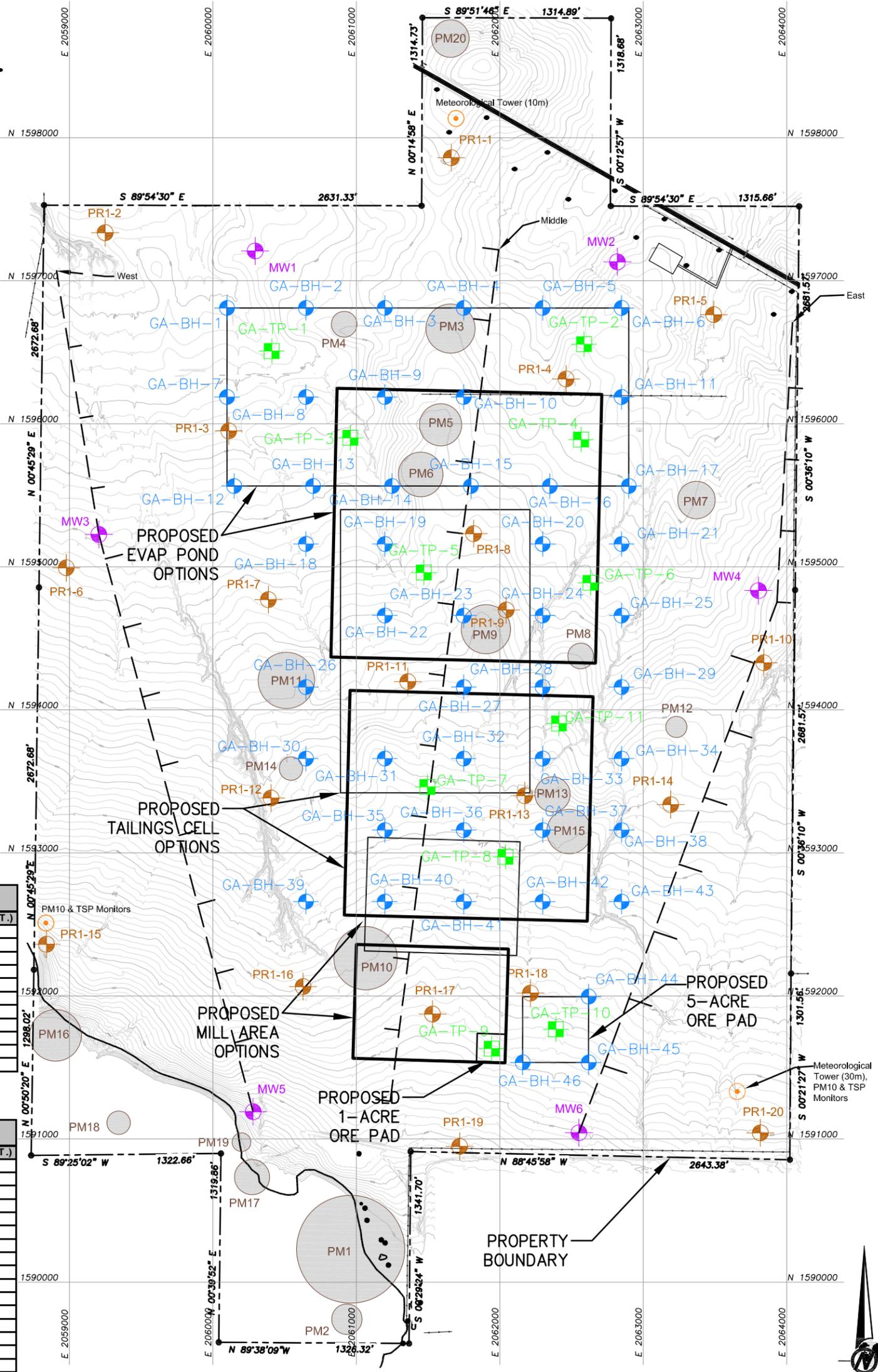
1. Drilling investigation for the tailings cells will be over a 60 acre area, accounting for design of up to three 20-acre tailings cells. The work scope is for design of two tailings cells.

FIGURE 1

**PROPOSED PHASE II GEOTECHNICAL
BOREHOLE LOCATIONS**

NOTES

- PHASE I INVESTIGATION CONDUCTED BY KLEINFELDER INCLUDED INSTALLATION OF MONITORING WELLS, CONDUCTING GEOTECHNICAL BOREHOLES, AND CONDUCTING GEOPHYSICAL SURVEYS.
- DEPENDING ON OUR FINDINGS DURING THIS PHASE II INVESTIGATION, ADDITIONAL BORINGS OR TEST PITS MAY BE ADDED AT THE DISCRETION OF THE DESIGN TEAM.



**TABLE 1
PROPOSED TEST PIT LOCATIONS**

I.D.	NORTHING	EASTING	DEPTH (FT.)
GA-TP-1	1596509.3	2060410.2	N/A
GA-TP-2	1596556.5	2062586.5	N/A
GA-TP-3	1595902.0	2060958.0	N/A
GA-TP-4	1595889.8	2062566.0	N/A
GA-TP-5	1594960.5	2061470.1	N/A
GA-TP-6	1594888.3	2062631.3	N/A
GA-TP-7	1593461.5	2061495.6	N/A
GA-TP-8	1592973.0	2062039.2	N/A
GA-TP-9	1591632.0	2061942.4	N/A
GA-TP-10	1591767.7	2062390.4	N/A
GA-TP-11	1593905.0	2062411.7	N/A

**TABLE 2
PROPOSED BOREHOLE LOCATIONS**

I.D.	NORTHING	EASTING	DEPTH (FT.)
GA-BH-1	1596810.0	2060098.3	30
GA-BH-2	1596810.0	2060648.3	30
GA-BH-3	1596810.0	2061198.3	30
GA-BH-4	1596810.0	2061748.3	30
GA-BH-5	1596810.0	2062298.3	30
GA-BH-6	1596810.0	2062848.3	30
GA-BH-7	1596187.5	2060098.3	30
GA-BH-8	1596187.5	2060648.3	30
GA-BH-9	1596187.5	2061198.3	30
GA-BH-10	1596187.5	2061748.3	30
GA-BH-11	1596187.5	2062298.3	30
GA-BH-12	1595565.0	2060148.3	30
GA-BH-13	1595565.0	2060698.3	30
GA-BH-14	1595565.0	2061248.3	30
GA-BH-15	1595565.0	2061798.3	30
GA-BH-16	1595565.0	2062348.3	30
GA-BH-17	1595565.0	2062898.3	30
GA-BH-18	1595160.0	2060648.3	100
GA-BH-19	1595160.0	2061198.3	50
GA-BH-20	1595160.0	2062298.3	50
GA-BH-21	1595160.0	2062848.3	100
GA-BH-22	1594660.0	2061198.3	100
GA-BH-23	1594660.0	2061748.3	50
GA-BH-24	1594660.0	2062298.3	100
GA-BH-25	1594660.0	2062848.3	50
GA-BH-26	1594160.0	2060648.3	100
GA-BH-27	1594160.0	2061198.3	100
GA-BH-28	1594160.0	2062298.3	50
GA-BH-29	1594160.0	2062848.3	100
GA-BH-30	1593660.0	2060648.3	50
GA-BH-31	1593660.0	2061198.3	100
GA-BH-32	1593660.0	2061748.3	50
GA-BH-33	1593660.0	2062298.3	100
GA-BH-34	1593660.0	2062848.3	50
GA-BH-35	1593160.0	2061198.3	50
GA-BH-36	1593160.0	2061748.3	100
GA-BH-37	1593160.0	2062298.3	50
GA-BH-38	1593160.0	2062848.3	100
GA-BH-39	1592660.0	2060648.3	100
GA-BH-40	1592660.0	2061198.3	50
GA-BH-41	1592660.0	2061748.3	50
GA-BH-42	1592660.0	2062298.3	100
GA-BH-43	1592660.0	2062848.3	50
GA-BH-44	1591995.7	2062619.0	50
GA-BH-45	1591535.7	2062619.0	50
GA-BH-46	1591535.7	2062159.0	50

LEGEND

- PR1-20 GEOTECHNICAL PHASE I BORING LOCATIONS
- GA-BH-44 PROPOSED GEOTECHNICAL PHASE II BORING LOCATIONS
- GA-TP-10 PROPOSED GEOTECHNICAL PHASE II TEST PITS
- MW6 MONITORING WELL BORING LOCATIONS
- METEOROLOGICAL TOWER / AIR MONITORING STATION
- ARCHEOLOGICAL SITES
- EFR PROPERTY BOUNDARY
- SEISMIC REFLECTION / REFRACTION LINES
- PROPOSED FACILITY AREAS - OPTION #1
- PROPOSED FACILITY LAYOUT - OPTION #2

REFERENCES

- TWO-FOOT CONTOUR MAP PROVIDED BY KLEINFELDER IN SEPTEMBER 2007.



10/18/07	KFM	REVISED WORKPLAN	MM	KFM	JMJ
10/12/07	JDE	ISSUED FOR WORK PLAN	JDE	KFM	JMJ
REV DATE	DES	REVISION DESCRIPTION	CADD	CHK	RWW
PROJECT ENERGY FUELS RESOURCES CORPORATION PIÑON RIDGE PROJECT MONTROSE COUNTY, COLORADO					
TITLE PROPOSED PHASE II GEOTECHNICAL BOREHOLE LOCATIONS					
PROJECT No. 073-81694		FILE No. 07381694A001			
DESIGN	JDE	10/07	SCALE	AS SHOWN	REV. B
CADD	JDE	10/07			
CHECK	KFM	10/07			
REVIEW	JMJ	10/07			
Golder Associates DENVER, COLORADO			1/1		