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Hall-Kimbrell

September 19, 1990

Mr. Darrell Messbarger
Ecology & Environment
9405 Metcalf,Cloverleaf Bldg #3
Overland Park, KS 66202

Re: Analytical Results
#59303086-900912-01

Dear Mr. Messbarger

Enclosed are the analytical results for the eight samples received on September 12, 1990. The samples were analyzed for total metals and cyanide. Analytical results are summarized on the following pages.

If you have any questions regarding this data, please do not hesitate to contact me at (913) 865-9434. Thank you for using PSI/Hall-Kimbrell Environmental Services.

Sincerely,

Darla J. Pauleen
Inorganic Division Manager

DJP/crk

Encls.

E & E
59303086-900912-01
September 19, 1990

HKES#	CLIENT#	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
644987	DH001	Cyanide	3747.	1.0	mg/kg	9010
		Arsenic	10.	4	mg/kg	6010
		Barium	10.5	0.1	mg/kg	6010
		Cadmium	2.4	0.2	mg/kg	6010
		Chromium	266.	0.5	mg/kg	6010
		Lead	6.	3	mg/kg	6010
		Mercury	< 0.1	0.1	mg/kg	7470
		Selenium	< 5	5	mg/kg	6010
		Silver	182.	0.3	mg/kg	6010
644988	DH002	Cyanide	1149.	1.0	mg/kg	9010
		Arsenic	31.	4	mg/kg	6010
		Barium	2410.	0.1	mg/kg	6010
		Cadmium	3.4	0.2	mg/kg	6010
		Chromium	113.	0.5	mg/kg	6010
		Lead	20.	3	mg/kg	6010
		Mercury	< 0.1	0.1	mg/kg	7470
		Selenium	< 5	5	mg/kg	6010
		Silver	173.	0.3	mg/kg	6010
644989	DH003	Cyanide	654.	1.0	mg/kg	9010
		Arsenic	< 4	4	mg/kg	6010
		Barium	3.5	0.1	mg/kg	6010
		Cadmium	0.7	0.2	mg/kg	6010
		Chromium	171.	0.5	mg/kg	6010
		Lead	< 3.	3	mg/kg	6010
		Mercury	< 0.1	0.1	mg/kg	7470
		Selenium	< 5	5	mg/kg	6010
		Silver	185.	0.3	mg/kg	6010

HKES#	CLIENT#	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
644990	DH004	Cyanide	137.	0.010	mg/L	335.3
		Arsenic	< 0.04	0.04	mg/L	6010
		Barium	2.39	0.001	mg/L	6010
		Cadmium	2.82	0.002	mg/L	6010
		Chromium	169.	0.005	mg/L	6010
		Lead	0.54	0.03	mg/L	6010
		Mercury	< 0.0002	0.0002	mg/L	7470
		Selenium	11.1	0.05	mg/L	6010
		Silver	2130.	0.003	mg/L	6010
644991	DH005	Cyanide	139.	0.010	mg/L	335.3
		Arsenic	0.08	0.04	mg/L	6010
		Barium	0.116	0.001	mg/L	6010
		Cadmium	0.095	0.002	mg/L	6010
		Chromium	9.18	0.005	mg/L	6010
		Lead	0.06	0.03	mg/L	6010
		Mercury	< 0.0002	0.0002	mg/L	7470
		Selenium	0.66	0.05	mg/L	6010
		Silver	23.6	0.003	mg/L	6010
644992	DH006	Cyanide	32.	0.010	mg/L	335.3
		Arsenic	1.71	0.04	mg/L	6010
		Barium	0.065	0.001	mg/L	6010
		Cadmium	< 0.002	0.002	mg/L	6010
		Chromium	2.76	0.005	mg/L	6010
		Lead	2.63	0.03	mg/L	6010
		Mercury	< 0.0002	0.0002	mg/L	7470
		Selenium	< 0.05	0.05	mg/L	6010
		Silver	< 0.003	0.003	mg/L	6010
644993	DH007	Cyanide	38.	0.010	mg/L	335.3
		Arsenic	< 0.04	0.04	mg/L	6010
		Barium	0.168	0.001	mg/L	6010
		Cadmium	< 0.002	0.002	mg/L	6010
		Chromium	5.00	0.005	mg/L	6010
		Lead	< 0.03	0.03	mg/L	6010
		Mercury	< 0.0002	0.0002	mg/L	7470
		Selenium	0.35	0.05	mg/L	6010
		Silver	0.020	0.003	mg/L	6010

HKES#	CLIENT#	ANALYTE	RESULT	DETECTION LIMIT	UNITS	METHOD
644994	DH008	Cyanide	107.	1.0	mg/kg	9010
		Arsenic	38.	4	mg/kg	6010
		Barium	158.	0.1	mg/kg	6010
		Cadmium	10.5	0.2	mg/kg	6010
		Chromium	89.9	0.5	mg/kg	6010
		Lead	149.	3	mg/kg	6010
		Mercury	< 0.1	0.1	mg/kg	7470
		Selenium	< 5	5	mg/kg	6010
		Silver	145.	0.3	mg/kg	6010