FILE

Cyprus Thompson Creek

Post Office Box 62
Clayton, Idaho 83227
Telephone (208) 838-2200

September 23, 1991

Mr. Don Gibbons
U. S. EPA
Idaho Operations
422 West Washington St.
Boise, ID 83702

Re: Pit Dewatering

Dear Mr. Gibbons:

Enclosed is a portion of the additional water quality sampling data that you requested Cyprus Thompson Creek take while discharging pit water through EPA source point 002 to Thompson Creek. Each station has been sampled on a weekly basis since pumping of pit water began on June 3, 1991.

As of September 11, 1991, a total of 584,850 gallons have been pumped from the pit to Pat Hughes drainage. The continuous discharge rate is approximately 241 GPM.

I am sorry for the delay in getting you this information, but we have had trouble getting a good turnaround time on the analysis from Analytical Laboratories. If you need any further information or clarification of the data, please don't hesitate to call.

Sincerely,

Bert Doughty

Bert Doughty
Supervisor, Environmental Affairs

BD:bw

CYPRUS

WATER QUALITY DATA

STATION: 002

DATE	06/06/91	06/13/91	06/20/91	06/26/91	07/03/91	07/11/91	07/16/91	07/22/91
Ph	7.07	7.29	8.1	8.35	8.22	7.95	7.72	7.52
Conductivity	450	455	440	450	500	600	600	550
Turbidity	6.8	2	1.5	6	5	2	2	0.28
TSS	14	5	5	12	5	3	45	1
Arsenic	<0.005	0.007	0.006	0.006	0.005	0.007	0.006	<0.005
Cadmium	<0.005	<0.005	<0.005	<0.005	<0.005	0.006	<0.005	<0.005
Copper	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01
Lead	<0.10	<0.05	<0.05	<0.05	<0.002	<0.002	<0.002	<0.002
Mercury	0.0002	<0.0005	<0.0005	<0.0005	<0.0002	0.0005	<0.0002	0.0002
Zinc	0.012	0.008	<0.005	<0.005	<0.005	<0.005	<0.005	0.006

DATE	07/29/91	08/06/91
Ph	7.54	7.51
Conductivity	600	550
Turbidity	3.3	0.22
TSS	7	2
Arsenic	<0.005	<0.005
Cadmium	<0.005	<0.005
Copper	<0.01	<0.01
Lead	<0.002	<0.002
Mercury	0.0006	0.0002
Zinc	0.005	0.005

WATER QUALITY DATA

STATION: PIT

DATE	06/06/91	06/13/91	06/20/91	06/22/91	06/27/91	07/11/91	07/15/91	07/29/91
Ph	7.65	6.82	7.23	7.34	7.19	7.06	7.56	7.07
Conductivity	550	750	725	800	725	700	750	700
Turbidity	3.5	---	4.6	1.4	---	3.9	2.5	3.2
TSS	---	---	---	---	---	---	---	---
Arsenic	0.328	0.057	0.051	0.01	0.041	<0.005	0.087	0.103
Cadmium	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Copper	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Lead	<0.10	<0.05	<0.05	<0.05	<0.10	<0.10	<0.10	<0.002
Mercury	<0.0005	<0.0005	<0.0005	0.0007	<0.0005	0.0005	<0.0005	<0.0005
Zinc	0.007	0.01	<0.005	0.005	0.011	<0.005	<0.005	<0.005

DATE	08/05/91	08/12/91
Ph	7.1	6.5
Conductivity	700	700
Turbidity	3.6	5.8
TSS	---	---
Arsenic	0.068	0.088
Cadmium	0.005	<0.005
Copper	<0.01	<0.01
Lead	<0.10	<0.10
Mercury	<0.0005	<0.0005
Zinc	0.005	0.011

WATER QUALITY DATA

STATION: TC2

DATE	06/06/91	06/13/91	06/20/91	06/27/91	07/03/91	07/11/91	07/15/91	07/22/91
Ph	6.51	6.06	7.69	7.75	7.1	8	7.19	7.46
Conductivity	60	55	60	65	80	80	100	100
Turbidity	2.2	2.1	1.3	0.72	2.2	0.81	0.36	0.22
TSS	---	---	---	---	---	---	---	---
Arsenic	<0.005	<0.005	<0.005	<0.005	<0.005	0.082	<0.005	<0.005
Cadmium	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Copper	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01
Lead	<0.10	<0.05	<0.05	<0.05	<0.002	<0.002	<0.002	<0.002
Mercury	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	0.0009	<0.0005	<0.0005
Zinc	0.012	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

DATE	07/29/91	08/05/91	08/12/91
Ph	7.06	7.32	6.94
Conductivity	100	140	140
Turbidity	1.1	0.64	0.35
TSS	---	---	---
Arsenic	<0.005	<0.005	<0.005
Cadmium	<0.005	<0.005	<0.005
Copper	<0.01	<0.01	<0.01
Lead	<0.002	<0.10	<0.10
Mercury	<0.0005	<0.0005	0.0009
Zinc	<0.005	<0.005	0.007