Soil

The following soil data are summarized and discussed in Chapter 7 (Soil and Sediment) of the Site Environmental Report for 1999 (see Volume I):

Analyte	Location	Date	Result	MDA or PQL	Units
Radiological Activity					
Actinium 228	Building 50	10/21/99	0.0067	0.0016	Bq/g
	Building 69	10/21/99	0.0037	0.0009	Bq/g
	Building 85	10/21/99	0.0019	0.0017	Bq/g
	ENV-B13C	10/21/99	ND	0.004	Bq/g
Cesium 137	Building 50	10/21/99	0.0074	0.0016	Bq/g
	Building 85	10/21/99	0.00074	0.0005	Bq/g
	ENV-B13C	10/21/99	0.0026	0.0016	Bq/g
Gross alpha	Building 50	10/21/99	0.27	0.2	Bq/g
	Building 69	10/21/99	0.37	0.2	Bq/g
	Building 85	10/21/99	0.27	0.2	Bq/g
	ENV-B13C	10/21/99	0.31	0.2	Bq/g
Gross beta	Building 50	10/21/99	0.59	0.2	Bq/g
	Building 69	10/21/99	0.3	0.2	Bq/g
	Building 85	10/21/99	0.31	0.2	Bq/g
	ENV-B13C	10/21/99	0.63	0.2	Bq/g
Lead 214	Building 50	10/21/99	0.00074	0.0005	Bq/g
	Building 69	10/21/99	0.00037	0.0003	Bq/g
	Building 85	10/21/99	0.00048	0.00015	Bq/g
	ENV-B13C	10/21/99	0.00081	0.0003	Bq/g
Potassium 40	Building 50	10/21/99	0.2	0.02	Bq/g
	Building 69	10/21/99	0.093	0.016	Bq/g
	Building 85	10/21/99	0.0963	0.014	Bq/g
	ENV-B13C	10/21/99	0.15	0.03	Bq/g
Radium 226	Building 50	10/21/99	ND	0.02	Bq/g
	Building 69	10/21/99	0.011	0.011	Bq/g
	Building 85	10/21/99	ND	0.012	Bq/g
	ENV-B13C	10/21/99	ND	0.02	Bq/g

Analyte	Location	Date	Result	MDA or PQL	Units
Radiological Activity					
Tritium	Building 50	10/21/99	ND	0.007	Bq/g
	Building 69	10/21/99	0.00941	0.007	Bq/g
	Building 85	10/21/99	ND	0.007	Bq/g
	ENV-B13C	10/21/99	ND	0.007	Bq/g
General Indicator Parameters					
Moisture by weight					
	Building 50	10/21/99	7.68	0.05	%
	Building 69	10/21/99	4	0.05	%
	Building 85	10/21/99	6.1	0.05	%
	ENV-B13C	10/21/99	7.77	0.05	%
pH	Building 50	10/21/99	6.56	-	S.U.
	Building 69	10/21/99	6.75	-	S.U.
	Building 85	10/21/99	7.09	-	S.U.
	ENV-B13C	10/21/99	5.34	-	S.U.
Metals and/or Minerals					
Aluminum	Building 50	10/21/99	19100	10	mg/kg
	Building 69	10/21/99	38700	10	mg/kg
	Building 85	10/21/99	34600	10	mg/kg
	ENV-B13C	10/21/99	15700	10	mg/kg
Antimony	Building 50	10/21/99	ND	10	mg/kg
	Building 69	10/21/99	ND	10	mg/kg
	Building 85	10/21/99	ND	10	mg/kg
	ENV-B13C	10/21/99	ND	10	mg/kg
Arsenic	Building 50	10/21/99	6.8	2	mg/kg
	Building 69	10/21/99	ND	2	mg/kg
	Building 85	10/21/99	3	2	mg/kg
	ENV-B13C	10/21/99	5.8	2	mg/kg
Barium	Building 50	10/21/99	208	1	mg/kg
	Building 69	10/21/99	128	1	mg/kg
	Building 85	10/21/99	146	1	mg/kg
	ENV-B13C	10/21/99	143	1	mg/kg
Beryllium	Building 50	10/21/99	ND	1	mg/kg
	Building 69	10/21/99	ND	1	mg/kg
	Building 85	10/21/99	ND	1	mg/kg
	ENV-B13C	10/21/99	ND	1	mg/kg
Boron	Building 50	10/21/99	23	20	mg/kg
	Building 69	10/21/99	ND	20	mg/kg

Analyte	Location	Date	Result	MDA or PQL	Units
Metals and/or Minerals					
Boron—*cont*.	Building 85	10/21/99	ND	20	mg/kg
	ENV-B13C	10/21/99	ND	20	mg/kg
Cadmium	Building 50	10/21/99	2.4	1	mg/kg
	Building 69	10/21/99	ND	1	mg/kg
	Building 85	10/21/99	ND	1	mg/kg
	ENV-B13C	10/21/99	ND	1	mg/kg
Chromium	Building 50	10/21/99	39	1	mg/kg
	Building 69	10/21/99	98	1	mg/kg
	Building 85	10/21/99	94	1	mg/kg
	ENV-B13C	10/21/99	34	1	mg/kg
Cobalt	Building 50	10/21/99	8.7	5	mg/kg
	Building 69	10/21/99	22	5	mg/kg
	Building 85	10/21/99	21	5	mg/kg
	ENV-B13C	10/21/99	7.4	5	mg/kg
Copper	Building 50	10/21/99	244	1	mg/kg
	Building 69	10/21/99	26	1	mg/kg
	Building 85	10/21/99	40	1	mg/kg
	ENV-B13C	10/21/99	26	1	mg/kg
Iron	Building 50	10/21/99	20000	5	mg/kg
	Building 69	10/21/99	38700	5	mg/kg
	Building 85	10/21/99	34900	5	mg/kg
	ENV-B13C	10/21/99	16600	5	mg/kg
Lead	Building 50	10/21/99	150	5	mg/kg
	Building 69	10/21/99	8.7	5	mg/kg
	Building 85	10/21/99	12	5	mg/kg
	ENV-B13C	10/21/99	189	5	mg/kg
Manganese	Building 50	10/21/99	1860	1	mg/kg
	Building 69	10/21/99	802	1	mg/kg
	Building 85	10/21/99	922	1	mg/kg
	ENV-B13C	10/21/99	386	1	mg/kg
Mercury	Building 50	10/21/99	ND	0.2	mg/kg
	Building 69	10/21/99	ND	0.2	mg/kg
	Building 85	10/21/99	ND	0.2	mg/kg
	ENV-B13C	10/21/99	ND	0.2	mg/kg
Molybdenum	Building 50	10/21/99	ND	5	mg/kg
	Building 69	10/21/99	ND	5	mg/kg
	Building 85	10/21/99	ND	5	mg/kg
	ENV-B13C	10/21/99	ND	5	mg/kg

Analyte	Location	Date	Result	MDA or PQL	Units
Metals and/or Minerals					
Nickel	Building 50	10/21/99	47	5	mg/kg
	Building 69	10/21/99	63	5	mg/kg
	Building 85	10/21/99	64	5	mg/kg
	ENV-B13C	10/21/99	29	5	mg/kg
Selenium	Building 50	10/21/99	ND	1	mg/kg
	Building 69	10/21/99	ND	1	mg/kg
	Building 85	10/21/99	ND	1	mg/kg
	ENV-B13C	10/21/99	ND	1	mg/kg
Silver	Building 50	10/21/99	ND	2	mg/kg
	Building 69	10/21/99	ND	2	mg/kg
	Building 85	10/21/99	ND	2	mg/kg
	ENV-B13C	10/21/99	ND	2	mg/kg
Thallium	Building 50	10/21/99	ND	10	mg/kg
	Building 69	10/21/99	ND	10	mg/kg
	Building 85	10/21/99	ND	10	mg/kg
	ENV-B13C	10/21/99	ND	10	mg/kg
Vanadium	Building 50	10/21/99	55	1	mg/kg
	Building 69	10/21/99	108	1	mg/kg
	Building 85	10/21/99	125	1	mg/kg
	ENV-B13C	10/21/99	41	1	mg/kg
Zinc	Building 50	10/21/99	181	5	mg/kg
	Building 69	10/21/99	61	5	mg/kg
	Building 85	10/21/99	63	5	mg/kg
	ENV-B13C	10/21/99	362	5	mg/kg