ATTACHMENT 11

FIELD LABORATORY GAMMA SPECTROSCOPY AND BETA SCINTILLATION, TABULATED DATA

Attachment 11

Field Laboratory Gamma Spectroscopy and Beta Scintillation Tabulated Data

The data presented here is an example of the data that was obtained in real time during the excavation and component removal operaitons. This informaton provided field supervision with real-time data enabling remediaton decisions to be made to effectively conduct the remediation of the soil around the system components. This information was used in conjunction with portable radiation detection instruments that provided contamination and dose measurements.

Soil Samples Collected in 1 Liter Bottles at the PFS Pipeline Excavation Site											
BGRR Sample ID	ANALYSIS DATE	Weight (grams)	ASTD Sample ID	Estimated Activity Concentration (pCi/gram)							
				K-40		Co-60		Cs-137		Am-241	
				Results	MDC	Results	MDC	Results	MDC	Results	MDC
6551-001	03/27/2000	390.8	SAM00737	ND	6.5	ND	0.3	ND	0.3	ND	0.3
6551-002	03/27/2000	989.5	SAM00738	5.3 ± 2.4	3.1	ND	0.3	ND	0.3	ND	0.3
6551-003	03/27/2000	1029	SAM00739	4.9 ± 2.5	3.4	ND	0.3	ND	0.3	ND	0.3
6551-004	03/27/2000	610.1	SAM00740	ND	6.9	ND	0.2	ND	0.3	ND	0.3
6551-005	03/27/2000	812.1	SAM00741	4.2 ± 2.5	3.7	ND	0.2	ND	0.3	ND	0.3
6551-006	03/27/2000	131.4	SAM00742	11.1 ± 7.2	10.3	ND	0.8	ND	0.9	ND	0.6
6551-006R*	03/27/2000	131.4	SAM00743	ND	17.3	ND	0.6	ND	0.8	ND	0.7
6552-001	03/27/2000	529.3	SAM00744	ND	7.3	ND	0.3	ND	0.3	ND	0.4
6556-001	03/22/2000	749.4	SAM00732	ND	4.9	ND	0.3	0.6 ± 0.2	0.1	ND	0.3
6557-001	03/23/2000	959.4	SAM00733	ND	4.9	ND	0.2	ND	0.3	ND	0.2
6557-002	03/23/2000	1095.8	SAM00734	5.0 ± 2.6	3.6	ND	0.2	ND	0.3	ND	0.3
6557-003	03/23/2000	284.4	SAM00735	ND	7.0	ND	0.3	ND	0.5	ND	0.3
6559-001	03/23/2000	305.5	SAM00736	ND	7.3	ND	0.3	ND	0.5	ND	0.3
PFS-001	01/27/2000	971.2	SAM00082	4.6 ± 2.5	3.4	ND	0.3	ND	0.2	ND	0.3
PFS-002	01/27/2000	1087.2	SAM00083	2.8 ± 2.4	3.9	ND	0.2	ND	0.3	ND	0.3
PFS-003	01/27/2000	1136.8	SAM00085	ND	4.7	ND	0.2	ND	0.2	ND	0.3
PFS-004	01/28/2000	1106.4	SAM00087	4.2 ± 2.4	3.4	ND	0.2	ND	0.2	ND	0.3
PFS-005	01/27/2000	965.1	SAM00086	ND	5.1	ND	0.2	ND	0.2	ND	0.3
PFS-006	01/28/2000	1053.3	SAM00088	3.3 ± 2.3	3.6	ND	0.2	ND	0.2	ND	0.3
PFS-007	01/28/2000	1062.6	SAM00089	2.9 ± 2.3	3.7	ND	0.2	ND	0.2	ND	0.3
PFS-008	01/28/2000	1076.1	SAM00090	ND	5.2	ND	0.2	ND	0.2	ND	0.2
PFS-009	01/28/2000	920	SAM00091	2.3 ± 2.9	4.8	ND	0.2	ND	0.3	ND	0.4
PFS-010	01/28/2000	1028.9	SAM00092	ND	5.7	ND	0.2	ND	0.2	ND	0.2
PFS-011	01/28/2000	1101	SAM00093	ND	4.5	ND	0.2	ND	0.2	ND	0.2
PFS-012	01/31/2000	976	SAM00094	2.2 ± 2.5	4.1	ND	0.3	ND	0.2	ND	0.3
PFS-013	01/31/2000	1113	SAM00095	2.0 ± 2.0	3.3	ND	0.2	ND	0.3	ND	0.3

MDC = Minimum detectable concentrations; ND = not detected; * = sample re-counted
Uncertainty reported at the 95% confidence level and represents counting error and ISOCS-generated efficiency error.

Soil Samples Collected in 1 Liter Bottles at the PFS Pipeline Excavation Site											
BGRR Sample ID	ANALYSIS DATE	Weight (grams)	ASTD Sample ID	Estimated Activity Concentration (pCi/gram)							
				K-40		Co-60		Cs-137		Am-241	
				Results	MDC	Results	MDC	Results	MDC	Results	MDC
PFS-014	01/31/2000	1135.5	SAM00096	ND	5.2	ND	0.2	ND	0.2	ND	0.2
PFS-015	01/31/2000	1028.1	SAM00097	3.6 ± 2.7	4.2	ND	0.2	ND	0.3	ND	0.3
PFS-016	01/31/2000	950.7	SAM00098	2.9 ± 2.6	4.1	ND	0.2	ND	0.3	ND	0.3
PFS-017	01/31/2000	994.5	SAM00099	4.7 ± 2.6	3.8	ND	0.3	ND	0.2	ND	0.3
PFS-018	01/31/2000	1154.9	SAM00100	ND	5.3	ND	0.1	ND	0.2	ND	0.2
PFS-019	01/31/2000	1113.3	SAM00101	ND	4.9	ND	0.2	ND	0.2	ND	0.3
PFS-020	01/31/2000	1108.9	SAM00102	ND	4.9	ND	0.2	ND	0.2	ND	0.2
PFS-021	02/01/2000	1002.5	SAM00103	ND	5.3	ND	0.2	ND	0.3	ND	0.2
PFS-022	02/01/2000	950.4	SAM00104	3.5 ± 2.5	3.7	ND	0.3	ND	0.2	ND	0.3
PFS-023	02/01/2000	933.2	SAM00105	ND	6.8	ND	0.2	ND	0.3	ND	0.3
PFS-024	02/01/2000	969	SAM00106	ND	6.6	ND	0.2	ND	0.3	ND	0.3
PFS-025	02/01/2000	1041.3	SAM00107	2.9 ± 2.1	3.2	ND	0.2	ND	0.2	ND	0.3
PFS-026	02/01/2000	1092.4	SAM00108	3.8 ± 2.4	3.6	ND	0.2	ND	0.2	ND	0.3
PFS-027	02/01/2000	1088.4	SAM00109	2.2 ± 2.5	4.2	ND	0.2	ND	0.2	ND	0.3
PFS-028	02/01/2000	1040.8	SAM00110	3.6 ± 2.2	3.2	ND	0.3	ND	0.2	ND	0.2
PFS-029	02/01/2000	1049.9	SAM00111	3.4 ± 2.3	3.6	ND	0.2	ND	0.3	ND	0.3
PFS-030	02/01/2000	961.7	SAM00112	ND	5.8	ND	0.2	ND	0.3	ND	0.3
PFS-031	02/01/2000	937.9	SAM00113	3.7 ± 2.8	4.3	ND	0.2	ND	0.3	ND	0.3
PFS-032	02/01/2000	826	SAM00114	5.5 ± 3.0	4.3	ND	0.2	ND	0.3	ND	0.4
PFS-033	02/01/2000	932.6	SAM00115	4.4 ± 2.8	4.1	ND	0.3	ND	0.3	ND	0.4
PFS-034	02/01/2000	1032.8	SAM00116	3.5 ± 2.6	4.1	ND	0.2	ND	0.3	ND	0.3
PFS-035	02/02/2000	1005.5	SAM00117	ND	6.0	ND	0.2	ND	0.2	ND	0.3
PFS-036	02/02/2000	1140.1	SAM00118	2.2 ± 2.3	3.8	ND	0.2	ND	0.2	ND	0.3
PFS-037	02/02/2000	1042.8	SAM00119	3.1 ± 2.8	4.5	ND	0.2	ND	0.2	ND	0.3
PFS-038	02/02/2000	1116.4	SAM00120	3.8 ± 2.3	3.4	ND	0.2	ND	0.2	ND	0.2
PFS-039	02/02/2000	1139.3	SAM00121	3.0 ± 2.1	3.3	ND	0.2	ND	0.2	ND	0.3
PFS-040	02/02/2000	1060.1	SAM00122	ND	6.1	ND	0.2	ND	0.2	ND	0.2
PFS-041	02/02/2000	1035.2	SAM00123	ND	5.9	ND	0.2	ND	0.2	ND	0.3
PFS-042	02/02/2000	934.4	SAM00124	ND	5.5	ND	0.3	ND	0.3	ND	0.3
PFS-043	02/02/2000	1083.1	SAM00125	1.6 ± 2.1	3.5	ND	0.2	ND	0.3	ND	0.3
PFS-044	02/02/2000	980.9	SAM00126	ND	5.1	ND	0.2	ND	0.3	ND	0.3

MDC = Minimum detectable concentrations; ND = not detected; * = sample re-counted
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Soil Samples Collected in 1 Liter Bottles at the PFS Pipeline Excavation Site										
BGRR Sample ID	ANALYSIS DATE	Weight (grams)	ASTD Sample ID	Estimated Activity Concentration (pCi/gram)						
				K-40		Co-60		Cs-137		Am-241	
				Results	MDC	Results	MDC	Results	MDC	Results	MDC
PFS-045	02/02/2000	983.5	SAM00127	2.4 ± 2.4	3.9	ND	0.3	ND	0.2	ND	0.3
PFS-046	02/02/2000	1077	SAM00128	ND	5.3	ND	0.1	ND	0.2	ND	0.3
PFS-047	02/02/2000	1149.3	SAM00129	ND	4.7	ND	0.2	ND	0.2	ND	0.3
PFS-048	02/02/2000	1033.3	SAM00130	4.4 ± 2.4	3.4	ND	0.2	ND	0.2	ND	0.3
PFS-049	02/02/2000	924.4	SAM00131	ND	6.4	ND	0.2	ND	0.3	ND	0.3
PFS-050	02/02/2000	1111.6	SAM00132	3.1 ± 2.3	3.5	ND	0.2	ND	0.2	ND	0.2
PFS-051	02/02/2000	1038.5	SAM00133	2.1 ± 2.3	3.8	ND	0.2	ND	0.2	ND	0.3
PFS-052	02/02/2000	1023.7	SAM00134	3.5 ± 2.2	3.6	ND	0.2	ND	0.3	ND	0.3
PFS-053	02/02/2000	1188.8	SAM00135	3.2 ± 2.0	3	ND	0.2	ND	0.2	ND	0.3
PFS-054	02/03/2000	965.1	SAM00139	3.9 ± 2.6	3.9	ND	0.2	ND	0.2	ND	0.3
PFS-055	02/03/2000	1053	SAM00140	ND	5.6	ND	0.2	ND	0.2	ND	0.3
PFS-056	02/03/2000	955.3	SAM00141	3.1 ± 2.6	4.1	ND	0.3	ND	0.2	ND	0.3
PFS-057	02/03/2000	1047.3	SAM00142	2.0 ± 2.2	3.7	ND	0.2	ND	0.3	ND	0.3
PFS-058	02/03/2000	934.8	SAM00143	4.5 ± 2.8	4.1	ND	0.3	ND	0.3	ND	0.3
PFS-059	02/03/2000	1075.3	SAM00144	4.4 ± 2.3	3.3	ND	0.2	ND	0.3	ND	0.3
PFS-060	02/03/2000	1029.8	SAM00145	2.4 ± 2.3	3.8	ND	0.2	ND	0.3	ND	0.3
PFS-061	02/03/2000	1021.6	SAM00146	2.6 ± 2.4	3.8	ND	0.2	ND	0.3	ND	0.3
PFS-062	02/03/2000	986.4	SAM00147	2.3 ± 2.8	4.7	ND	0.2	ND	0.3	ND	0.3
PFS-063	02/03/2000	1115.4	SAM00148	3.0 ± 2.1	3.2	ND	0.2	ND	0.2	ND	0.3
PFS-064	02/03/2000	1170.3	SAM00149	3.5 ± 2.1	3.0	ND	0.2	ND	0.2	ND	0.2
PFS-065	02/03/2000	1046.8	SAM00150	ND	4.7	ND	0.2	ND	0.3	ND	0.3
PFS-066	02/03/2000	935.2	SAM00151	ND	5.4	ND	0.3	ND	0.3	ND	0.3
PFS-067	02/03/2000	935.5	SAM00152	ND	6.1	ND	0.2	ND	0.3	ND	0.3
PFS-068	02/04/2000	1080.6	SAM00153	ND	5.5	ND	0.2	ND	0.2	ND	0.3
PFS-069	02/04/2000	975.6	SAM00154	3.1 ± 2.4	3.8	ND	0.2	ND	0.2	ND	0.3
PFS-070	02/04/2000	1023.8	SAM00155	ND	5.5	ND	0.2	ND	0.3	ND	0.3
PFS-071	02/04/2000	1053.7	SAM00156	2.7 ± 2.3	3.6	ND	0.2	ND	0.2	ND	0.2
PFS-072	02/04/2000	1163.5	SAM00157	3.1 ± 2.1	3.3	ND	0.2	ND	0.2	ND	0.3
PFS-073	02/04/2000	1220.5	SAM00158	2.1 ± 1.9	3.1	ND	0.2	ND	0.4	ND	0.2
PFS-074	02/04/2000	909.3	SAM00159	3.4 ± 2.7	4.3	ND	0.2	ND	0.3	ND	0.3
PFS-075	02/04/2000	1084.6	SAM00160	4.6 ± 2.5	3.5	ND	0.2	ND	0.2	ND	0.3

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BGRR Sample ID	ANALYSIS DATE	Weight (grams)	ASTD Sample ID	Estimated Activity Concentration (pCi/gram)							
				K-40		Co-60		Cs-137		Am-241	
				Results	MDC	Results	MDC	Results	MDC	Results	MDC
PFS-076	02/04/2000	1052.5	SAM00161	4.5 ± 2.4	3.3	ND	0.2	ND	0.3	ND	0.2
PFS-077	02/04/2000	1042.9	SAM00162	ND	5.4	ND	0.2	ND	0.3	ND	0.3
PFS-078	02/04/2000	976.3	SAM00163	3.2 ± 2.9	4.7	ND	0.3	ND	0.3	ND	0.3
PFS-079	02/04/2000	1132.4	SAM00164	ND	5.4	ND	0.2	ND	0.2	ND	0.3
PFS-080	02/04/2000	942.9	SAM00165	5.1 ± 3.0	4.5	ND	0.2	167 ± 16	0.2	ND	0.3
PFS-081	02/04/2000	1114	SAM00167	ND	4.7	ND	0.2	0.5 ± 0.2	0.1	ND	0.3
PFS-082	02/07/2000	1061	SAM00171	3.8 ± 2.4	3.6	ND	0.2	ND	0.3	ND	0.3
PFS-083	02/04/2000	1036.2	SAM00168	ND	5.2	ND	0.2	ND	0.3	ND	0.3
PFS-084	02/04/2000	932.2	SAM00169	ND	5.1	ND	0.3	ND	0.2	ND	0.3
PFS-085	02/04/2000	966.6	SAM00170	ND	5.8	ND	0.3	ND	0.3	ND	0.3
PFS-086	02/07/2000	976	SAM00172	ND	6.0	ND	0.2	ND	0.2	ND	0.3
PFS-087	02/07/2000	969.7	SAM00173	ND	4.9	ND	0.3	ND	0.3	ND	0.3
PFS-088	02/07/2000	1049.9	SAM00174	ND	5.4	ND	0.2	ND	0.2	ND	0.3
PFS-089	02/07/2000	1094.8	SAM00175	ND	5.1	ND	0.2	ND	0.2	ND	0.2
PFS-090	02/07/2000	1048	SAM00176	ND	4.9	ND	0.2	ND	0.3	ND	0.3
PFS-091	02/07/2000	1224.6	SAM00178	ND	4.5	ND	0.2	ND	0.2	ND	0.2
PFS-092	02/07/2000	1004.6	SAM00177	2.7 ± 2.4	3.9	ND	0.3	ND	0.2	ND	0.3
PFS-093	02/07/2000	1056.9	SAM00179	4.9 ± 2.6	3.7	ND	0.2	ND	0.2	ND	0.3
PFS-094	02/07/2000	1037.3	SAM00180	2.0 ± 2.2	3.7	ND	0.2	ND	0.3	ND	0.3
PFS-095	02/07/2000	1080.1	SAM00181	2.7 ± 2.3	3.6	ND	0.2	93 ± 8.7	0.6	ND	0.8
PFS-095*	02/08/2000	1080.1	SAM00202	4.2 ± 2.4	3.5	ND	0.2	94 ± 8.8	0.7	ND	0.9
PFS-096	02/08/2000	1041.1	SAM00183	ND	5.4	ND	0.2	19.9 ± 2.0	3.6	ND	0.5
PFS-096*	02/08/2000	1041.2	SAM00203	2.2 ± 2.7	4.5	ND	0.2	19.8 ± 2.0	0.4	ND	0.5
PFS-097	02/08/2000	1176.67	SAM00184	2.5 ± 2.0	3.1	ND	0.2	ND	0.2	ND	0.2
PFS-099	02/07/2000	1411	SAM00182	ND	3.8	ND	0.2	ND	0.3	ND	0.2
PFS-099*	02/08/2000	1411	SAM00191	ND	3.8	ND	0.1	ND	0.3	ND	0.2
PFS-100	02/08/2000	1191.9	SAM00187	ND	4.3	ND	0.2	ND	0.2	ND	0.2
PFS-100*	02/08/2000	1191.9	SAM00192	1.7 ± 2.0	3.3	ND	0.2	ND	0.2	ND	0.3
PFS-101	02/08/2000	1147.8	SAM00188	ND	4.8	ND	0.2	ND	0.2	ND	0.2
PFS-101*	02/08/2000	1147.8	SAM00193	3.7 ± 2.5	3.8	ND	0.3	ND	0.2	ND	0.2
PFS-102	02/08/2000	1065.7	SAM00189	ND	5.1	ND	0.2	ND	0.2	ND	0.3

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BGRR Sample ID	ANALYSIS DATE	Weight (grams)	ASTD Sample ID	Estimated Activity Concentration (pCi/gram)							
				K-40		Co-60		Cs-137		Am-241	
				Results	MDC	Results	MDC	Results	MDC	Results	MDC
PFS-102*	02/08/2000	1065.7	SAM00194	1.8 ± 2.2	3.7	ND	0.2	ND	0.2	ND	0.2
PFS-103	02/08/2000	1224.3	SAM00190	2.0 ± 2.1	3.4	ND	0.2	ND	0.2	ND	0.3
PFS-103*	02/08/2000	1224.3	SAM00195	3.1 ± 2.0	3.0	ND	0.2	ND	0.2	ND	0.3
PFS-105	02/08/2000	1090.6	SAM00185	ND	4.8	ND	0.2	3.5 ± 0.5	0.2	ND	0.3
PFS-105*	02/08/2000	1090.6	SAM00201	ND	5.2	ND	0.2	3.1 ± 0.5	0.2	ND	0.3
PFS-106	02/08/2000	1139.4	SAM00186	3.5 ± 2.1	3.0	ND	0.2	ND	0.4	ND	0.3
PFS-107	02/08/2000	1096.8	SAM00197	ND	5.5	ND	0.2	ND	0.2	ND	0.3
PFS-108	02/08/2000	1061.1	SAM00196	ND	4.7	ND	0.2	ND	0.3	ND	0.2
PFS-109	02/08/2000	1145.4	SAM00198	ND	4.9	ND	0.2	ND	0.3	ND	0.3
PFS-110	02/08/2000	1003.1	SAM00199	2.1 ± 2.2	3.6	ND	0.2	ND	0.3	ND	0.3
PFS-111	02/08/2000	1030.8	SAM00200	4.0 ± 2.5	3.7	ND	0.2	ND	0.3	ND	0.3
PFS-112	02/09/2000	1092.7	SAM00205	3.0 ± 2.5	4.0	ND	0.2	ND	0.2	ND	0.2
PFS-114	02/09/2000	1098.9	SAM00206	ND	5.1	ND	0.2	1.0 ± 0.2	0.2	ND	0.3
PFS-116	02/09/2000	966	SAM00207	ND	6.0	ND	0.3	ND	0.2	ND	0.3
PFS-118	02/09/2000	1152.5	SAM00208	3.0 ± 2.0	2.9	ND	0.2	ND	0.2	ND	0.2
PFS-119	02/09/2000	1265.3	SAM00209	1.6 ± 2.0	3.3	ND	0.1	ND	0.2	ND	0.2
PFS-122	02/09/2000	1043	SAM00210	ND	5.0	ND	0.2	ND	0.3	ND	0.3
PFS-127	02/10/2000	1247.4	SAM00211	2.5 ± 1.8	2.7	ND	0.2	ND	0.2	ND	0.3
PFS-128	02/10/2000	1086.9	SAM00212	2.9 ± 2.1	3.2	ND	0.2	ND	0.2	ND	0.3
PFS-129	02/10/2000	890.7	SAM00213	2.4 ± 2.8	4.7	ND	0.3	ND	0.4	ND	0.4
PFS-130	02/10/2000	989.7	SAM00214	4.2 ± 2.6	3.8	ND	0.3	ND	0.3	ND	0.3
PFS-131	02/10/2000	1173.4	SAM00216	2.3 ± 2.2	3.6	ND	0.2	ND	0.2	ND	0.3
PFS-132	02/10/2000	1366.1	SAM00217	4.0 ± 2.5	3.6	ND	0.2	ND	0.3	ND	0.3
PFS-133	02/10/2000	1172	SAM00218	4.1 ± 2.6	3.9	ND	0.2	ND	0.3	ND	0.2
PFS-134	02/10/2000	1235.8	SAM00219	ND	4.4	ND	0.2	ND	0.2	ND	0.3
PFS-135	02/10/2000	1202.2	SAM00220	3.8 ± 2.2	3.2	ND	0.2	ND	0.2	ND	0.3
PFS-136	02/10/2000	1026.5	SAM00221	3.8 ± 2.5	3.8	ND	0.3	ND	0.3	ND	0.3
PFS-137	02/10/2000	1060.7	SAM00222	3.3 ± 2.6	4.1	ND	0.1	ND	0.2	ND	0.3
PFS-138	02/10/2000	1109.3	SAM00223	2.7 ± 2.4	3.8	ND	0.2	ND	0.2	ND	0.3
PFS-139	02/10/2000	1025.3	SAM00224	4.2 ± 2.5	3.7	ND	0.2	ND	0.3	ND	0.3
PFS-140	02/11/2000	1172.9	SAM00226	2.0 ± 2.3	3.9	ND	0.2	ND	0.2	ND	0.3

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Soil Samples Collected in 1 Liter Bottles at the PFS Pipeline Excavation Site										
BGRR Sample ID	ANALYSIS DATE	Weight (grams)	ASTD Sample ID	Estimated Activity Concentration (pCi/gram)						
				K-40		Co-60		Cs-137		Am-241	
				Results	MDC	Results	MDC	Results	MDC	Results	MDC
PFS-141	02/11/2000	1445.8	SAM00227	3.5 ± 2.5	3.9	ND	0.2	ND	0.3	ND	0.3
PFS-142	02/11/2000	1384.1	SAM00228	2.8 ± 2.3	3.6	ND	0.2	ND	0.3	ND	0.3
PFS-143	02/11/2000	1233.5	SAM00229	2.2 ± 2.0	3.3	ND	0.2	ND	0.2	ND	0.3
PFS-144	02/11/2000	1389.1	SAM00225	3.3 ± 3.0	4.9	ND	0.2	ND	0.3	ND	0.3
PFS-144*	02/11/2000	1389.1	SAM00230	ND	5.7	ND	0.2	ND	0.2	ND	0.3
PFS-145	02/11/2000	1328.6	SAM00231	ND	5.4	ND	0.2	ND	0.2	ND	0.3
PFS-146	02/11/2000	1331	SAM00232	5.0 ± 2.8	4.0	ND	0.2	ND	0.3	ND	0.3
PFS-147	02/11/2000	1398.1	SAM00233	ND	5.5	ND	0.3	ND	0.3	ND	0.3
PFS-148	02/15/2000	1335.2	SAM00237	4.3 ± 2.4	3.4	ND	0.3	ND	0.3	ND	0.3
PFS-149	02/15/2000	1046.2	SAM00238	2.8 ± 2.5	3.9	ND	0.2	ND	0.2	ND	0.3
PFS-150	02/15/2000	1298	SAM00239	3.4 ± 2.6	4.1	ND	0.3	0.1 ± 0.1	0.2	ND	0.3
PFS-151	02/15/2000	1335.6	SAM00248	3.4 ± 1.9	2.6	ND	0.2	ND	0.2	ND	0.3
PFS-152	02/15/2000	1271.1	SAM00249	ND	4.8	ND	0.2	ND	0.2	ND	0.3
PFS-153	02/15/2000	1286.9	SAM00250	2.7 ± 2.1	3.3	ND	0.2	ND	0.2	ND	0.3
PFS-154	02/15/2000	1195.5	SAM00251	3.5 ± 2.3	3.4	ND	0.2	ND	0.2	ND	0.3
PFS-155	02/16/2000	1268.5	SAM00256	4.1 ± 3.0	4.7	ND	0.3	ND	0.3	ND	0.3
PFS-156	02/16/2000	1050.6	SAM00257	2.6 ± 2.5	4.0	ND	0.2	ND	0.3	ND	0.3
PFS-157	02/16/2000	1069.7	SAM00258	2.7 ± 2.6	4.3	ND	0.2	ND	0.2	ND	0.3
PFS-158	02/16/2000	1071.5	SAM00259	ND	5.7	ND	0.2	ND	0.3	ND	0.3
PFS-159	02/16/2000	816.1	SAM00255	3.3 ± 3.0	4.8	ND	0.4	0.6 ± 0.2	0.3	ND	0.4
PFS-160	02/16/2000	1155.6	SAM00262	5.4 ± 2.8	4.1	ND	0.2	ND	0.2	ND	0.3
PFS-161	02/16/2000	1430.1	SAM00263	ND	5.4	ND	0.2	ND	0.2	ND	0.3
PFS-162	02/16/2000	1415.4	SAM00264	ND	5.2	ND	0.2	ND	0.3	ND	0.3
PFS-163	02/16/2000	1304.3	SAM00265	3.4 ± 2.5	3.8	ND	0.3	ND	0.3	ND	0.3
PFS-164	02/16/2000	1370.2	SAM00266	7.4 ± 2.8	3.4	ND	0.2	ND	0.3	ND	0.3
PFS-165	02/16/2000	1135.4	SAM00268	2.4 ± 2.0	3.2	ND	0.2	0.2 ± 0.1	0.2	ND	0.3
PFS-166	02/16/2000	1427	SAM00269	4.1 ± 2.5	3.8	ND	0.2	ND	0.2	ND	0.3
PFS-167	02/16/2000	1336.9	SAM00270	ND	5.6	ND	0.2	ND	0.3	ND	0.3
PFS-168	02/17/2000	1232.9	SAM00272	2.9 ± 2.0	3.1	ND	0.2	ND	0.2	ND	0.3
PFS-169	02/16/2000	1176.4	SAM00271	ND	5	ND	0.2	ND	0.2	ND	0.3
PFS-170	02/17/2000	1424.9	SAM00273	ND	5.2	ND	0.2	ND	0.3	ND	0.3

MDC = Minimum detectable concentrations; ND = not detected; * = sample re-counted
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Soil Samples Collected in 1 Liter Bottles at the PFS Pipeline Excavation Site

BGRR Sample ID	ANALYSIS DATE	Weight (grams)	ASTD Sample ID	Estimated Activity Concentration (pCi/gram)							
				K-40		Co-60		Cs-137		Am-241	
				Results	MDC	Results	MDC	Results	MDC	Results	MDC
PFS-171	02/17/2000	1219.1	SAM00274	2.8 ± 2.0	3.1	ND	0.2	ND	0.2	ND	0.2
PFS-172	02/17/2000	1296.5	SAM00275	4.3 ± 2.8	4.2	ND	0.2	ND	0.4	ND	0.3
PFS-173	02/22/2000	1376.1	SAM00298	8.7 ± 2.6	2.4	ND	0.2	1.8 ± 0.3	0.2	ND	0.3
PFS-174	02/22/2000	1458	SAM00297	8.3 ± 2.5	2.3	ND	0.2	ND	0.3	ND	0.3
PFS-175	02/22/2000	1350.6	SAM00296	11.3 ± 2.7	0.4	ND	0.2	ND	0.3	ND	0.4
PFS-176	02/22/2000	1403.4	SAM00295	7.3 ± 2.2	1.6	ND	0.3	ND	0.2	ND	0.3
PFS-177	02/22/2000	1094.6	SAM00294	8.7 ± 2.5	2.1	ND	0.2	ND	0.3	ND	0.3
PFS-178	02/22/2000	1383.5	SAM00292	ND	6.0	ND	0.3	ND	0.3	ND	0.3
PFS-179	02/22/2000	1265.3	SAM00293	11.2 ± 3.1	3.0	ND	0.3	ND	0.3	ND	0.4
PFS-180	02/22/2000	1164.4	SAM00299	9.6 ± 3.3	3.9	ND	0.2	ND	0.4	ND	0.4
PFS-181	02/22/2000	1246.4	SAM00300	ND	6.1	ND	0.3	1.0 ± 0.3	0.3	ND	0.4
PFS-182	02/22/2000	1371.7	SAM00301	6.8 ± 2.7	3.5	ND	0.2	ND	0.3	ND	0.3
PFS-183	02/22/2000	1228.5	SAM00302	8.6 ± 2.3	1.8	ND	0.2	ND	0.2	ND	0.3
PFS-184	02/22/2000	1267.5	SAM00303	6.6 ± 2.2	2.5	ND	0.2	ND	0.2	ND	0.3
PFS-185	02/22/2000	1229.6	SAM00304	5.2 ± 2.2	2.7	ND	0.2	ND	0.2	ND	0.2
PFS-186	02/22/2000	1158.3	SAM00305	ND	5.8	ND	0.2	ND	0.2	ND	0.3
PFS-187	02/22/2000	1148.4	SAM00306	5.9 ± 2.2	2.6	ND	0.2	ND	0.3	ND	0.3
PFS-188	02/22/2000	1310.5	SAM00307	ND	4.8	ND	0.2	ND	0.2	ND	0.3
PFS-189	02/22/2000	1339	SAM00308	10.7 ± 2.8	2.0	ND	0.3	ND	0.3	ND	0.4
PFS-190	02/22/2000	1229.6	SAM00309	ND	4.9	ND	0.2	ND	0.3	ND	0.3
PFS-191	02/22/2000	1141.5	SAM00310	ND	4.8	ND	0.2	ND	0.3	ND	0.3
PFS-192	02/22/2000	1098	SAM00311	9.8 ± 2.6	1.8	ND	0.2	ND	0.3	ND	0.3
PFS-193	02/22/2000	1316	SAM00312	5.6 ± 2.0	2.2	ND	0.2	ND	0.3	ND	0.3
PFS-194	02/22/2000	1353.6	SAM00313	7.3 ± 2.7	3.2	ND	0.3	ND	0.3	ND	0.3
PFS-195	02/22/2000	1283.8	SAM00314	3.5 ± 2.1	2.9	ND	0.3	ND	0.3	ND	0.4
PFS-196	02/22/2000	1207.9	SAM00315	ND	7.7	ND	0.2	ND	0.3	ND	0.3
PFS-197	02/22/2000	1157.5	SAM00316	9.0 ± 2.6	5.0	ND	0.3	ND	0.3	ND	0.4
PFS-198	02/22/2000	1223.6	SAM00317	ND	6.8	ND	0.3	ND	0.3	ND	0.4
PFS-199	02/22/2000	1252	SAM00318	10.1 ± 2.6	4.6	ND	0.2	ND	0.3	ND	0.3
PFS-200	02/22/2000	1154.7	SAM00319	ND	7.0	ND	0.3	ND	0.3	ND	0.4
PFS-201	02/22/2000	1202.3	SAM00320	11.0 ± 3.1	2.8	ND	0.2	ND	0.4	ND	0.4

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Soil Samples Collected in 1 Liter Bottles at the PFS Pipeline Excavation Site										
BGRR Sample ID	ANALYSIS DATE	Weight (grams)	ASTD Sample ID	Estimated Activity Concentration (pCi/gram)						
				K-40		Co-60		Cs-137		Am-241	
				Results	MDC	Results	MDC	Results	MDC	Results	MDC
PFS-202	02/23/2000	1235.2	SAM00321	2.4 ± 3.0	5.1	ND	0.3	ND	0.3	ND	0.4
PFS-203	02/23/2000	1285.7	SAM00322	ND	5.8	ND	0.2	ND	0.3	ND	0.3
PFS-204	02/23/2000	1302.6	SAM00324	ND	6.3	ND	0.2	ND	0.3	ND	0.3
PFS-205	02/23/2000	933.7	SAM00323	ND	4.8	ND	0.2	ND	0.2	ND	0.2
PFS-206	02/23/2000	1229.7	SAM00325	2.4 ± 2.5	4.1	ND	0.2	ND	0.4	ND	0.4
PFS-207	02/23/2000	1374.3	SAM00326	3.3 ± 2.5	3.9	ND	0.2	ND	0.4	ND	0.3
PFS-208	02/23/2000	1397.6	SAM00327	ND	5.8	ND	0.2	16.8 ± 1.5	0.4	ND	0.5
PFS-209	02/23/2000	1260.2	SAM00328	ND	6.6	ND	0.3	205 ± 16	1.2	ND	1.4
PFS-209R*	02/23/2000	1260.2	SAM00335	4.6 ± 2.7	4.0	ND	0.3	199 ± 15	0.9	ND	1.4
PFS-210	02/23/2000	1433.4	SAM00329	ND	5.4	ND	0.2	22.5 ± 2.0	0.6	ND	0.5
PFS-211	02/23/2000	1086.4	SAM00330	ND	5.7	ND	0.3	ND	0.3	ND	0.3
PFS-212	02/23/2000	1178.4	SAM00331	2.4 ± 2.8	4.7	ND	0.3	ND	0.3	ND	0.3
PFS-213	02/23/2000	1183.5	SAM00332	ND	7.2	ND	0.3	ND	0.3	ND	0.4
PFS-214	02/23/2000	1135.5	SAM00333	4.1 ± 3.0	4.7	ND	0.3	ND	0.3	ND	0.4
PFS-215	02/23/2000	1443.4	SAM00334	2.6 ± 2.6	4.2	ND	0.2	7.8 ± 0.8	0.4	ND	0.4
PFS-216	02/23/2000	1480.2	SAM00336	3.0 ± 2.3	3.7	ND	0.2	50.2 ± 4.1	0.5	ND	0.9
PFS-216R*	02/24/2000	1480.2	SAM00358	2.4 ± 2.3	3.8	ND	0.3	49.8 ± 4.1	0.8	ND	0.9
PFS-217	02/23/2000	1256.3	SAM00337	2.4 ± 2.0	3.1	ND	0.2	6 ± 0.7	0.2	ND	0.3
PFS-218	02/23/2000	1301.3	SAM00338	ND	5.9	ND	0.2	15.9 ± 1.5	0.4	ND	0.5
PFS-219	02/23/2000	1209.5	SAM00339	3.4 ± 2.2	3.2	ND	0.2	13.5 ± 1.3	0.3	ND	0.4
PFS-220	02/23/2000	1376	SAM00340	ND	5.4	ND	0.2	14.9 ± 1.4	0.4	ND	0.5
PFS-220A	02/23/2000	1218.8	SAM00341	2.5 ± 2.5	4.1	ND	0.3	44.6 ± 3.7	0.5	ND	0.7
PFS-221	02/24/2000	1336	SAM00342	ND	5.7	ND	0.3	8 ± 0.9	0.3	ND	0.4
PFS-222	02/24/2000	1299	SAM00343	2.8 ± 2.8	4.6	ND	0.3	31.3 ± 2.9	0.7	ND	0.6
PFS-223	02/24/2000	1300	SAM00344	3.8 ± 3.1	5.0	ND	0.2	5.1 ± 0.6	0.4	ND	0.4
PFS-224	02/24/2000	1310.4	SAM00345	ND	6.0	ND	0.2	16.5 ± 1.5	0.4	ND	0.5
PFS-225	02/24/2000	1132	SAM00346	ND	4.9	ND	0.2	ND	0.2	ND	0.3
PFS-226	02/24/2000	1421.3	SAM00347	ND	6.1	ND	0.2	4.8 ± 0.6	0.3	ND	0.4
PFS-227	02/24/2000	1103.9	SAM00348	3.5 ± 2.9	4.6	ND	0.4	ND	0.3	ND	0.4
PFS-228	02/24/2000	1194.1	SAM00349	4.0 ± 2.9	4.4	ND	0.3	ND	0.4	ND	0.4
PFS-229	02/24/2000	1242.5	SAM00350	3.7 ± 3.1	4.9	ND	0.3	ND	0.3	ND	0.4

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Soil Samples Collected in 1 Liter Bottles at the PFS Pipeline Excavation Site											
BGRR Sample ID	ANALYSIS DATE	Weight (grams)	ASTD Sample ID	Estimated Activity Concentration (pCi/gram)							
				K-40		Co-60		Cs-137		Am-241	
				Results	MDC	Results	MDC	Results	MDC	Results	MDC
PFS-230	02/24/2000	1119.3	SAM00351	ND	8.2	ND	0.4	ND	0.4	ND	0.4
PFS-231	02/24/2000	1235.6	SAM00352	3.8 ± 2.9	4.5	ND	0.3	ND	0.3	ND	0.4
PFS-232	02/24/2000	1197.6	SAM00353	2.8 ± 3.0	5.0	ND	0.3	ND	0.3	ND	0.4
PFS-233	02/24/2000	1197	SAM00354	4.4 ± 3.0	4.5	ND	0.3	ND	0.3	ND	0.3
PFS-234	02/24/2000	1320.1	SAM00355	3.6 ± 2.7	4.2	ND	0.2	ND	0.4	ND	0.4
PFS-235	02/24/2000	1316.1	SAM00356	ND	5.6	ND	0.5	2169 ± 165	3.8	ND	4.2
PFS-235R*	02/24/2000	1316.1	SAM00357	2.2 ± 2.8	4.8	ND	0.4	2164 ± 165	4	ND	4.2
PFS-236	02/25/2000	936.2	SAM00359	5.0 ± 3.0	4.5	ND	0.3	ND	0.3	ND	0.4
PFS-237	02/25/2000	1131.9	SAM00360	ND	5.5	ND	0.2	ND	0.3	ND	0.3
PFS-238	02/25/2000	1154.5	SAM00361	1.8 ± 2.2	3.7	ND	0.2	ND	0.3	ND	0.3
PFS-239	02/25/2000	1151.9	SAM00362	ND	5.5	ND	0.2	ND	0.2	ND	0.3
PFS-240	02/25/2000	1117.2	SAM00363	ND	5.0	ND	0.2	ND	0.3	ND	0.3
PFS-241	02/25/2000	1119.3	SAM00364	2.5 ± 2.7	4.4	ND	0.3	ND	0.2	ND	0.3
PFS-242	02/25/2000	1020.7	SAM00365	ND	5.4	ND	0.3	ND	0.3	ND	0.4
PFS-243	02/25/2000	1042.7	SAM00366	ND	5.9	ND	0.3	ND	0.3	ND	0.3
PFS-244	02/25/2000	1160.6	SAM00367	ND	5.4	ND	0.2	ND	0.2	ND	0.3
PFS-245	02/25/2000	1222.9	SAM00368	ND	4.5	ND	0.2	5.7 ± 0.6	0.3	ND	0.3
PFS-245R*	02/26/2000	1222.9	SAM00391	ND	5.2	ND	0.2	4.9 ± 0.6	0.3	ND	0.3
PFS-246	02/25/2000	1212.1	SAM00369	ND	5.5	ND	0.2	ND	0.2	ND	0.3
PFS-247	02/25/2000	1180.5	SAM00370	1.8 ± 2.0	3.3	ND	0.2	ND	0.2	ND	0.3
PFS-248	02/25/2000	1044	SAM00371	ND	6.1	ND	0.2	ND	0.3	ND	0.3
PFS-249	02/26/2000	1105.4	SAM00372	3.1 ± 3.5	5.8	ND	0.3	ND	0.4	ND	0.4
PFS-250	02/26/2000	1286.3	SAM00373	2.2 ± 2.6	4.4	ND	0.2	ND	0.3	ND	0.4
PFS-251	02/26/2000	1247	SAM00374	3.9 ± 3.1	4.9	ND	0.2	ND	0.4	ND	0.4
PFS-252	02/26/2000	1161.6	SAM00375	2.0 ± 2.4	4.0	ND	0.2	ND	0.3	ND	0.3
PFS-253	02/26/2000	1131.8	SAM00376	ND	5.7	ND	0.2	ND	0.3	ND	0.3
PFS-254	02/26/2000	1246.6	SAM00377	2.9 ± 3.1	5.1	ND	0.2	ND	0.2	ND	0.4
PFS-255	02/26/2000	1077.4	SAM00378	2.1 ± 2.5	4.2	ND	0.2	ND	0.3	ND	0.3
PFS-256	02/26/2000	1285.9	SAM00379	3.7 ± 2.8	4.3	ND	0.2	ND	0.3	ND	0.3
PFS-257	02/26/2000	1263.8	SAM00380	4.5 ± 2.9	4.3	ND	0.3	ND	0.3	ND	0.3
PFS-258	02/26/2000	1211.2	SAM00381	5.8 ± 3.0	4.2	ND	0.3	ND	0.3	ND	0.3

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Soil Samples Collected in 1 Liter Bottles at the PFS Pipeline Excavation Site											
BGRR Sample ID	ANALYSIS DATE	Weight (grams)	ASTD Sample ID	Estimated Activity Concentration (pCi/gram)							
				K-40		Co-60		Cs-137		Am-241	
				Results	MDC	Results	MDC	Results	MDC	Results	MDC
PFS-259	02/26/2000	1392.2	SAM00382	ND	5.3	ND	0.3	ND	0.3	ND	0.3
PFS-260	02/26/2000	1184.4	SAM00383	ND	5.0	ND	0.2	ND	0.3	ND	0.3
PFS-261	02/26/2000	1157.8	SAM00384	ND	5.2	ND	0.2	ND	0.2	ND	0.3
PFS-262	02/26/2000	1079.6	SAM00385	ND	5.5	ND	0.2	ND	0.2	ND	0.3
PFS-263	02/26/2000	1048.5	SAM00386	ND	6.4	ND	0.2	ND	0.3	ND	0.3
PFS-264	02/26/2000	1153.2	SAM00387	2.6 ± 2.2	3.5	ND	0.2	ND	0.2	ND	0.3
PFS-265	02/26/2000	1137.8	SAM00388	ND	5.3	ND	0.2	ND	0.2	ND	0.3
PFS-266	02/26/2000	1188.9	SAM00389	3.5 ± 2.5	3.8	ND	0.2	ND	0.2	ND	0.3
PFS-267	02/26/2000	1236.6	SAM00390	ND	6.5	ND	0.3	ND	0.3	ND	0.3
PFS-268	02/26/2000	1136	SAM00392	5.6 ± 2.6	3.7	ND	0.2	ND	0.2	ND	0.3
PFS-269	02/26/2000	1211.7	SAM00393	2.2 ± 2.7	4.5	ND	0.3	26.9 ± 2.4	0.4	ND	0.6
PFS-270	02/26/2000	1128.1	SAM00394	1.6 ± 2.0	3.4	ND	0.2	ND	0.3	ND	0.2
PFS-271	02/26/2000	1013.4	SAM00395	ND	6.3	ND	0.3	ND	0.2	ND	0.4
PFS-272	02/26/2000	1022.2	SAM00396	4.1 ± 2.8	4.2	ND	0.2	ND	0.3	ND	0.3
PFS-273	02/26/2000	1101.2	SAM00397	3.8 ± 2.5	3.8	ND	0.2	ND	0.2	ND	0.3
PFS-274	02/26/2000	1156.3	SAM00398	3.1 ± 2.3	3.6	ND	0.3	ND	0.2	ND	0.3
PFS-275	02/26/2000	1121.1	SAM00399	4.7 ± 2.7	4.0	ND	0.2	ND	0.3	ND	0.3
PFS-276	02/26/2000	1115.1	SAM00400	ND	5.2	ND	0.2	ND	0.2	ND	0.2
PFS-277	02/26/2000	1080.4	SAM00401	2.0 ± 2.2	3.6	ND	0.2	ND	0.2	ND	0.3
PFS-278	02/26/2000	1176.6	SAM00402	ND	6.1	ND	0.2	ND	0.3	ND	0.3
PFS-279	02/26/2000	1053.2	SAM00403	2.0 ± 2.5	4.2	ND	0.2	365 ± 28	1.4	ND	1.6
PFS-280	02/26/2000	1318.9	SAM00404	3.4 ± 2.5	3.8	ND	0.3	231 ± 18	1.2	ND	1.4
PFS-281	02/26/2000	1080.2	SAM00405	4.6 ± 2.6	3.8	ND	0.2	ND	0.4	ND	0.3
PFS-282	02/28/2000	1071.2	SAM00406	3.7 ± 3.4	5.4	ND	0.3	ND	0.5	ND	0.4
PFS-283	02/28/2000	1451.8	SAM00407	2.6 ± 2.3	3.7	ND	0.2	ND	0.3	ND	0.3
PFS-284	02/28/2000	1333.4	SAM00408	4.5 ± 2.8	4.2	ND	0.2	ND	0.3	ND	0.3
PFS-285	02/28/2000	1264.8	SAM00409	6.9 ± 3.0	4.0	ND	0.3	ND	0.3	ND	0.3
PFS-286	02/28/2000	1352.1	SAM00410	4.1 ± 2.8	4.2	ND	0.3	ND	0.3	ND	0.3
PFS-287	02/28/2000	1391.7	SAM00411	4.4 ± 2.8	4.2	ND	0.2	ND	0.3	ND	0.3
PFS-288	02/28/2000	1369.3	SAM00412	ND	5.3	ND	0.3	0.5 ± 0.2	0.3	ND	0.4
PFS-289	02/28/2000	1389.5	SAM00413	2.2 ± 2.6	4.4	ND	0.2	ND	0.3	ND	0.3

MDC = Minimum detectable concentrations; ND = not detected; * = sample re-counted
Uncertainty reported at the 95% confidence level and represents counting error and ISOCS-generated efficiency error.

Soil Samples Collected in 1 Liter Bottles at the PFS Pipeline Excavation Site										
BGRR Sample ID	ANALYSIS DATE	Weight (grams)	ASTD Sample ID	Estimated Activity Concentration (pCi/gram)							
				K-40		Co-60		Cs-137		Am-241	
				Results	MDC	Results	MDC	Results	MDC	Results	MDC
PFS-290	02/28/2000	1233.8	SAM00414	ND	6.0	ND	0.2	ND	0.3	ND	0.4
PFS-291	02/29/2000	1123.4	SAM00415	ND	5.4	ND	0.2	ND	0.3	ND	0.3
PFS-292	02/29/2000	1133.5	SAM00416	4.3 ± 2.6	3.9	ND	0.2	ND	0.2	ND	0.3
PFS-293	02/29/2000	1256.7	SAM00417	3.9 ± 2.8	4.3	ND	0.3	ND	0.3	ND	0.3
PFS-294	02/29/2000	1230	SAM00418	3.1 ± 2.9	4.6	ND	0.2	ND	0.3	ND	0.3
PFS-295	02/29/2000	1388.5	SAM00419	2.8 ± 2.8	4.5	ND	0.2	ND	0.3	ND	0.3
PFS-296	02/29/2000	1409.6	SAM00420	ND	5.9	ND	0.2	ND	0.3	ND	0.4
PFS-297	02/29/2000	1088.4	SAM00421	5.4 ± 2.8	4.0	ND	0.2	ND	0.3	ND	0.4
PFS-298	02/29/2000	1108.6	SAM00422	5.2 ± 2.8	4.1	ND	0.2	ND	0.3	ND	0.3
PFS-299	02/29/2000	1211.1	SAM00423	5.3 ± 2.4	3.2	ND	0.2	2.4 ± 0.4	0.2	ND	0.3
PFS-300	02/29/2000	1083.1	SAM00424	ND	5.6	ND	0.3	0.4 ± 0.2	0.2	ND	0.3
PFS-301	02/29/2000	1185	SAM00425	ND	5.2	ND	0.2	0.4 ± 0.2	0.2	ND	0.2
PFS-302	02/29/2000	1269.5	SAM00426	4.5 ± 2.9	4.3	ND	0.2	ND	0.3	ND	0.4
PFS-303	02/29/2000	1235.1	SAM00427	6.0 ± 3.0	4.1	ND	0.3	ND	0.3	ND	0.3
PFS-304	02/29/2000	1256.3	SAM00428	5.3 ± 2.8	4.0	ND	0.3	ND	0.3	ND	0.3
PFS-305	02/29/2000	1234.8	SAM00429	4.0 ± 2.9	4.5	ND	0.3	ND	0.4	ND	0.4
PFS-306	02/29/2000	1253.2	SAM00430	6.3 ± 3.2	4.5	ND	0.2	ND	0.3	ND	0.4
PFS-307	02/29/2000	1163.2	SAM00431	2.9 ± 2.5	4.0	ND	0.2	ND	0.3	ND	0.3
PFS-308	02/29/2000	1070.2	SAM00432	2.9 ± 2.6	4.1	ND	0.2	ND	0.3	ND	0.2
PFS-309	02/29/2000	1229.1	SAM00433	ND	6.4	ND	0.2	ND	0.3	ND	0.4
PFS-310	03/01/2000	1284.7	SAM00434	6.4 ± 3.0	4.2	ND	0.3	1.1 ± 0.3	0.2	ND	0.3
PFS-311	03/01/2000	1266.5	SAM00435	4.9 ± 3.0	4.5	ND	0.2	ND	0.3	ND	0.3
PFS-312	03/01/2000	1381.3	SAM00436	2.4 ± 2.4	4.0	ND	0.3	ND	0.3	ND	0.3
PFS-313	03/01/2000	1189.1	SAM00437	2.5 ± 2.1	3.3	ND	0.2	ND	0.2	ND	0.2
PFS-314	03/01/2000	1138.7	SAM00438	2.8 ± 2.4	3.9	ND	0.2	ND	0.3	ND	0.3
PFS-315	03/01/2000	1397.8	SAM00439	6.0 ± 3.0	4.4	ND	0.2	1.3 ± 0.3	0.3	ND	0.4
PFS-316	03/01/2000	1087.1	SAM00440	3.9 ± 2.7	4.1	ND	0.2	ND	0.3	ND	0.3
PFS-317	03/02/2000	1121.7	SAM00452	4.9 ± 2.7	4.0	ND	0.2	ND	0.3	ND	0.3
PFS-318	03/02/2000	1187.9	SAM00453	2.3 ± 2.0	3.8	ND	0.2	ND	0.2	ND	0.2
PFS-319	03/02/2000	1141.2	SAM00454	3.6 ± 2.4	3.6	ND	0.2	ND	0.2	ND	0.3
PFS-320	03/02/2000	1276.5	SAM00455	3.0 ± 2.7	4.3	ND	0.3	ND	0.3	ND	0.3

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Soil Samples Collected in 1 Liter Bottles at the PFS Pipeline Excavation Site										
BGRR Sample ID	ANALYSIS DATE	Weight (grams)	ASTD Sample ID	Estimated Activity Concentration (pCi/gram)						
				K-40		Co-60		Cs-137		Am-241	
				Results	MDC	Results	MDC	Results	MDC	Results	MDC
PFS-321	03/02/2000	1124.7	SAM00456	2.6 ± 2.6	4.3	ND	0.2	ND	0.3	ND	0.3
PFS-322	03/02/2000	1131.5	SAM00457	3.9 ± 2.6	4.0	ND	0.2	ND	0.2	ND	0.3
PFS-323	03/02/2000	1263.5	SAM00458	7.1 ± 3.3	4.7	ND	0.3	ND	0.3	ND	0.4
PFS-324	03/02/2000	1125	SAM00459	4.2 ± 2.5	3.6	ND	0.2	ND	0.2	ND	0.3
PFS-325	03/02/2000	1138.6	SAM00460	ND	5.2	ND	0.2	ND	0.3	ND	0.3
PFS-326	03/02/2000	1257.8	SAM00461	3.1 ± 2.9	4.7	ND	0.2	ND	0.3	ND	0.3
PFS-327	03/02/2000	1232.1	SAM00462	ND	4.9	ND	0.2	0.9 ± 0.2	0.2	ND	0.3
PFS-328	03/02/2000	1242.8	SAM00463	ND	4.7	ND	0.2	1.6 ± 0.3	0.2	ND	0.3
PFS-329	03/02/2000	1158.6	SAM00464	4.0 ± 2.6	3.9	ND	0.2	ND	0.2	ND	0.3
PFS-330	03/02/2000	1069.6	SAM00465	3.6 ± 2.6	3.9	ND	0.3	ND	0.2	ND	0.3
PFS-331	03/02/2000	1237.2	SAM00466	ND	5	ND	0.2	ND	0.2	ND	0.3
PFS-332	03/02/2000	1301.8	SAM00467	2.4 ± 2.1	3.3	ND	0.2	ND	0.3	ND	0.2
PFS-333	03/03/2000	1109.9	SAM00468	ND	5.7	ND	0.2	ND	0.2	ND	0.3
PFS-334	03/03/2000	1075.1	SAM00469	3.1 ± 2.4	3.8	ND	0.2	ND	0.2	ND	0.3
PFS-335	03/03/2000	1122.6	SAM00470	4.3 ± 2.5	3.6	ND	0.2	ND	0.2	ND	0.3
PFS-339	03/03/2000	1260.7	SAM00471	ND	5.1	ND	0.2	ND	0.2	ND	0.2
PFS-340	03/03/2000	536.9	SAM00472	ND	7.7	ND	0.3	2.8 ± 0.5	0.4	ND	0.4
PFS-341	03/03/2000	1244.8	SAM00473	2.0 ± 1.9	3.1	ND	0.2	ND	0.2	ND	0.2
PFS-342	03/06/2000	1147.1	SAM00474	ND	4.7	ND	0.2	6.1 ± 0.7	0.3	ND	0.3
PFS-343	03/06/2000	1216	SAM00475	3.2 ± 2.6	4.1	ND	0.2	1.2 ± 0.2	0.2	ND	0.3
PFS-344	03/06/2000	1215.3	SAM00476	2.6 ± 2.0	3.2	ND	0.2	13.9 ± 1.3	0.2	ND	0.4
PFS-345	03/06/2000	1160.3	SAM00477	ND	5.2	ND	0.2	2.1 ± 0.3	0.2	ND	0.3
PFS-346	03/06/2000	1186	SAM00478	4.1 ± 2.7	4.2	ND	0.2	0.2 ± 0.1	0.1	ND	0.3
PFS-347	03/06/2000	1162	SAM00479	3.2 ± 2.4	3.7	ND	0.2	27.9 ± 2.4	0.4	ND	0.5
PFS-348	03/06/2000	1107.3	SAM00480	ND	5.1	ND	0.2	0.7 ± 0.2	0.2	ND	0.3
PFS-349	03/06/2000	1246.8	SAM00481	ND	4.7	ND	0.2	20.8 ± 1.8	0.4	ND	0.4
PFS-350	03/06/2000	1076.6	SAM00482	2.2 ± 2.6	4.4	ND	0.2	ND	0.3	ND	0.3
PFS-351	03/06/2000	1239.3	SAM00483	ND	5.0	ND	0.2	8.5 ± 0.9	0.3	ND	0.3
PFS-352	03/06/2000	1137.4	SAM00484	ND	4.8	ND	0.2	2 ± 0.3	0.2	ND	0.3
PFS-353	03/06/2000	1174.8	SAM00485	ND	4.9	ND	0.3	9.7 ± 1.0	0.3	ND	0.4
PFS-354	03/06/2000	1216.8	SAM00486	4.5 ± 2.6	3.8	ND	0.2	0.7 ± 0.2	0.2	ND	0.3

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Soil Samples Collected in 1 Liter Bottles at the PFS Pipeline Excavation Site											
BGRR Sample ID	ANALYSIS DATE	Weight (grams)	ASTD Sample ID	Estimated Activity Concentration (pCi/gram)							
				K-40		Co-60		Cs-137		Am-241	
				Results	MDC	Results	MDC	Results	MDC	Results	MDC
PFS-355	03/06/2000	1270.4	SAM00489	ND	4.6	ND	0.2	9.5 ± 0.9	0.2	ND	0.3
PFS-356	03/06/2000	1286.1	SAM00491	3.2 ± 2.3	3.6	ND	0.2	200 ± 15	1	ND	1.1
PFS-357	03/06/2000	1137	SAM00490	ND	6.0	ND	0.2	ND	0.3	ND	0.3
PFS-358	03/06/2000	837.3	SAM00492	3.2 ± 2.2	3.3	ND	0.2	128 ± 10	0.8	ND	0.9
PFS-359	03/06/2000	1278.1	SAM00493	3.6 ± 2.2	3.4	ND	0.3	91 ± 7.2	0.7	ND	0.8
PFS-360	03/06/2000	1309.9	SAM00494	3.0 ± 2.2	3.3	ND	0.2	ND	0.3	ND	0.3
PFS-361	03/06/2000	1237.3	SAM00495	3.4 ± 2.2	3.4	ND	0.2	1.1 ± 0.2	0.2	ND	0.2
PFS-362	03/06/2000	1324.7	SAM00496	1.4 ± 1.7	2.9	ND	0.2	0.4 ± 0.2	0.4	ND	0.3
PFS-363	03/06/2000	1480	SAM00487	ND	4.2	ND	0.2	0.5 ± 0.1	0.2	ND	0.2
PFS-364	03/06/2000	1254	SAM00488	2.2 ± 1.9	3.1	ND	0.2	ND	0.2	ND	0.3
PFS-365	03/06/2000	1160.2	SAM00497	8.3 ± 3.4	4.3	ND	0.3	ND	0.3	ND	0.4
PFS-365R*	03/06/2000	1160.2	SAM00498	1.6 ± 1.8	3.0	ND	0.2	0.3 ± 0.1	0.1	ND	0.3
PFS-366	03/07/2000	1173.8	SAM00501	ND	5.5	ND	0.2	ND	0.3	ND	0.2
PFS-367	03/07/2000	1290	SAM00502	ND	5.8	ND	0.2	6.5 ± 0.8	0.3	ND	0.4
PFS-368	03/07/2000	1228	SAM00503	4.6 ± 3.0	4.5	ND	0.2	ND	0.4	ND	0.4
PFS-369	03/07/2000	1258	SAM00504	2.7 ± 2.5	4.0	ND	0.2	ND	0.3	ND	0.4
PFS-370	03/07/2000	1178	SAM00505	ND	6.2	ND	0.2	26 ± 2.2	0.4	ND	0.6
PFS-371	03/07/2000	1261.8	SAM00506	ND	6.4	ND	0.3	0.6 ± 0.2	0.2	ND	0.4
PFS-372	03/07/2000	1211.9	SAM00516	2.8 ± 2.2	3.5	ND	0.2	2.1 ± 0.3	0.2	ND	0.3
PFS-373	03/07/2000	1251.2	SAM00521	3.4 ± 3.0	4.8	ND	0.3	0.7 ± 0.2	0.3	ND	0.3
PFS-374	03/07/2000	1237.9	SAM00522	2.7 ± 2.7	4.4	ND	0.3	ND	0.3	ND	0.3
PFS-375	03/07/2000	1179.4	SAM00523	2.7 ± 2.5	4.0	ND	0.2	ND	0.2	ND	0.2
PFS-376	03/07/2000	1212.5	SAM00524	ND	6.0	ND	0.2	ND	0.5	ND	0.4
PFS-377	03/07/2000	929	SAM00499	1.6 ± 1.8	3.0	ND	0.2	0.3 ± 0.1	0.1	ND	0.3
PFS-378	03/07/2000	1000.3	SAM00500	ND	6.1	ND	0.3	0.5 ± 0.2	0.3	ND	0.3
PFS-379	03/07/2000	1220.9	SAM00509	2.0 ± 2.0	3.2	ND	0.2	ND	0.2	ND	0.3
PFS-380	03/07/2000	1198.2	SAM00513	ND	4.6	ND	0.2	ND	0.2	ND	0.3
PFS-381	03/07/2000	1257.5	SAM00512	ND	4.7	ND	0.2	ND	0.2	ND	0.2
PFS-382	03/07/2000	971.5	SAM00515	5.5 ± 3.0	4.3	ND	0.2	ND	0.2	ND	0.3
PFS-383	03/07/2000	1125.8	SAM00511	2.3 ± 2.3	3.7	ND	0.2	ND	0.3	ND	0.2
PFS-384	03/07/2000	1115.5	SAM00514	ND	4.8	ND	0.2	ND	0.2	ND	0.3

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Soil Samples Collected in 1 Liter Bottles at the PFS Pipeline Excavation Site										
BGRR Sample ID	ANALYSIS DATE	Weight (grams)	ASTD Sample ID	Estimated Activity Concentration (pCi/gram)						
				K-40		Co-60		Cs-137		Am-241	
				Results	MDC	Results	MDC	Results	MDC	Results	MDC
PFS-385	03/07/2000	1178.3	SAM00508	4.7 ± 2.4	3.3	ND	0.2	0.5 ± 0.3	0.2	ND	0.2
PFS-386	03/07/2000	1100.4	SAM00510	3.8 ± 2.6	4.0	ND	0.2	ND	0.2	ND	0.3
PFS-387	03/07/2000	1102.1	SAM00507	ND	5.8	ND	0.2	ND	0.2	ND	0.3
PFS-388	03/07/2000	1043.9	SAM00518	5.1 ± 2.8	4.1	ND	0.3	0.3 ± 0.2	0.2	ND	0.3
PFS-389	03/07/2000	1129.8	SAM00519	ND	5.0	ND	0.3	ND	0.3	ND	0.3
PFS-390	03/07/2000	1089.7	SAM00517	ND	5.2	ND	0.2	0.9 ± 0.2	0.2	ND	0.3
PFS-391	03/07/2000	1217.6	SAM00520	ND	5.4	ND	0.2	ND	0.3	ND	0.2
PFS-392	03/08/2000	1205.5	SAM00540	4.1 ± 2.2	3.2	ND	0.2	ND	0.2	ND	0.2
PFS-393	03/08/2000	1176.9	SAM00541	±	5.1	ND	0.2	ND	0.3	ND	0.3
PFS-394	03/08/2000	1207	SAM00542	2.6 ± 2.2	3.5	ND	0.2	22 ± 1.9	0.6	ND	0.5
PFS-395	03/08/2000	1166.8	SAM00543	ND	5.0	ND	0.2	ND	0.3	ND	0.3
PFS-396A	03/08/2000	1278.7	SAM00544	ND	3.5	ND	0.2	1.1 ± 0.2	0.2	ND	0.3
PFS-397	03/08/2000	1120.2	SAM00545	1.6 ± 2.1	3.5	ND	0.2	3.3 ± 0.5	0.2	ND	0.4
PFS-398	03/08/2000	1253.6	SAM00546	ND	5.8	ND	0.2	5.7 ± 0.7	0.4	ND	0.4
PFS-399	03/08/2000	1245.2	SAM00547	1.6 ± 2.0	3.3	ND	0.2	2.8 ± 0.4	0.2	ND	0.3
PFS-400	03/08/2000	1222.2	SAM00548	ND	5.0	ND	0.2	356 ± 27	1.3	ND	1.5
PFS-400R*	03/08/2000	1222.2	SAM00561	2.3 ± 2.0	3.2	ND	0.2	366 ± 28	1.1	ND	1.5
PFS-401	03/08/2000	1322.6	SAM00549	ND	5.1	ND	0.3	39.8 ± 3.3	0.6	ND	0.6
PFS-402	03/08/2000	1331.1	SAM00550	2.7 ± 2.7	4.5	ND	0.3	ND	0.3	ND	0.3
PFS-403	03/08/2000	1368.3	SAM00551	ND	4.8	ND	0.2	ND	0.3	ND	0.3
PFS-404	03/08/2000	1082	SAM00553	1.9 ± 2.3	3.9	ND	0.3	0.7 ± 0.2	0.2	ND	0.3
PFS-405	03/08/2000	1155.1	SAM00554	ND	5.6	ND	0.1	ND	0.2	ND	0.3
PFS-406	03/08/2000	1360.4	SAM00552	2.8 ± 2.5	4.2	ND	0.2	117 ± 9.2	0.9	ND	1.1
PFS-407	03/08/2000	1200.4	SAM00555	ND	4.5	ND	0.2	ND	0.3	ND	0.3
PFS-408	03/08/2000	1353.5	SAM00556	ND	5.5	ND	0.3	19.8 ± 1.8	0.4	ND	0.5
PFS-409	03/08/2000	1175.5	SAM00557	ND	4.8	ND	0.2	ND	0.2	ND	0.3
PFS-410	03/08/2000	978.4	SAM00558	1.5 ± 1.9	3.1	ND	0.2	ND	0.2	ND	0.2
PFS-411	03/08/2000	1027.1	SAM00559	ND	5.7	ND	0.2	ND	0.3	ND	0.3
PFS-412	03/08/2000	1192.5	SAM00560	ND	4.4	ND	0.2	131 ± 10	0.8	ND	1.0
PFS-413	03/09/2000	1164.9	SAM00563	ND	4.6	ND	0.2	33.9 ± 2.8	0.6	ND	0.6
PFS-413R*	03/09/2000	1164.9	SAM00577	ND	4.7	ND	0.3	31.8 ± 2.7	0.5	ND	0.6

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Soil Samples Collected in 1 Liter Bottles at the PFS Pipeline Excavation Site

BGRR Sample ID	ANALYSIS DATE	Weight (grams)	ASTD Sample ID	Estimated Activity Concentration (pCi/gram)							
				K-40		Co-60		Cs-137		Am-241	
				Results	MDC	Results	MDC	Results	MDC	Results	MDC
PFS-414	03/09/2000	1280	SAM00562	ND	5.9	ND	0.2	325 ± 25	1.4	ND	1.6
PFS-414R*	03/09/2000	1280	SAM00578	ND	6.4	ND	0.2	327 ± 25	1.6	ND	1.7
PFS-415	03/09/2000	1156.7	SAM00576	ND	4.6	ND	0.2	242 ± 19	1	ND	1.3
PFS-416	03/09/2000	1120.8	SAM00579	ND	5.2	ND	0.2	260 ± 20	1.1	ND	1.3
PFS-417	03/09/2000	1122.7	SAM00580	ND	5.1	ND	0.2	0.3 ± 0.1	0.2	ND	0.2
PFS-418	03/09/2000	1246.4	SAM00582	ND	5.8	ND	0.2	ND	0.4	ND	0.3
PFS-419	03/09/2000	1087.1	SAM00583	ND	5.0	ND	0.2	0.4 ± 0.2	0.2	ND	0.3
PFS-420	03/09/2000	1227.1	SAM00584	3.6 ± 3.0	4.7	ND	0.2	ND	0.4	ND	0.3
PFS-421	03/09/2000	1236.1	SAM00585	3.3 ± 2.6	4.1	ND	0.3	48.7 ± 4.0	0.6	ND	0.7
PFS-422	03/09/2000	1104.7	SAM00586	ND	5.2	ND	0.3	80.4 ± 6.4	0.6	ND	0.8
PFS-423	03/09/2000	1189	SAM00581	ND	5.5	ND	0.3	114 ± 9.0	0.7	ND	1.0
PFS-424	03/10/2000	1072	SAM00587	3.7 ± 2.4	3.6	ND	0.2	ND	0.3	ND	0.3
PFS-425	03/10/2000	1090	SAM00589	ND	5.6	ND	0.3	ND	0.3	ND	0.3
PFS-426	03/10/2000	1192	SAM00590	1.8 ± 2.2	3.8	ND	0.2	ND	0.2	ND	0.3
PFS-427	03/10/2000	1051	SAM00591	2.2 ± 2.6	4.3	ND	0.3	ND	0.3	ND	0.3
PFS-428	03/10/2000	1124	SAM00592	2.0 ± 2.3	3.7	ND	0.2	ND	0.3	ND	0.3
PFS-429	03/10/2000	1243	SAM00588	2.5 ± 2.2	3.4	ND	0.2	0.5 ± 0.2	0.2	ND	0.3
PFS-430	03/10/2000	1122.3	SAM00593	ND	5.4	ND	0.3	ND	0.3	ND	0.3
PFS-431	03/10/2000	1342.7	SAM00597	ND	6.0	ND	0.2	0.1 ± 0.1	0.2	ND	0.3
PFS-432	03/10/2000	1118.3	SAM00598	2.2 ± 2.1	3.5	ND	0.2	ND	0.3	ND	0.3
PFS-433	03/10/2000	1217.5	SAM00599	ND	6.6	ND	0.3	1.9 ± 0.4	0.3	ND	0.4
PFS-434	03/10/2000	1189.4	SAM00595	ND	4.9	ND	0.2	0.9 ± 0.2	0.1	ND	0.3
PFS-435	03/10/2000	1141	SAM00596	ND	4.6	ND	0.2	ND	0.3	ND	0.3
PFS-436	03/10/2000	1232.1	SAM00600	ND	6.5	ND	0.3	2.3 ± 0.4	0.3	ND	0.4
PFS-437	03/10/2000	1164.7	SAM00601	ND	6.3	ND	0.2	ND	0.4	ND	0.3
PFS-438	03/10/2000	1039.3	SAM00602	ND	5.4	ND	0.3	0.7 ± 0.2	0.2	ND	0.3
PFS-439	03/10/2000	1177	SAM00607	1.9 ± 2.3	3.8	ND	0.2	ND	0.3	ND	0.2
PFS-440	03/10/2000	1197.6	SAM00603	3.7 ± 2.9	4.5	ND	0.2	0.6 ± 0.2	0.1	ND	0.3
PFS-441	03/10/2000	1064	SAM00609	ND	5.5	ND	0.2	ND	0.3	ND	0.3
PFS-442	03/10/2000	1095.6	SAM00606	ND	4.6	ND	0.3	ND	0.2	ND	0.3
PFS-443	03/10/2000	1194.7	SAM00610	ND	4.9	ND	0.2	2.6 ± 0.4	0.2	ND	0.3

MDC = Minimum detectable concentrations; ND = not detected; * = sample re-counted
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Soil Samples Collected in 1 Liter Bottles at the PFS Pipeline Excavation Site											
BGRR Sample ID	ANALYSIS DATE	Weight (grams)	ASTD Sample ID	Estimated Activity Concentration (pCi/gram)							
				K-40		Co-60		Cs-137		Am-241	
				Results	MDC	Results	MDC	Results	MDC	Results	MDC
PFS-444	03/10/2000	1144	SAM00594	1.9 ± 2.3	3.9	ND	0.2	0.2 ± 0.1	0.2	ND	0.3
PFS-445	03/10/2000	1002.2	SAM00604	ND	5.3	ND	0.2	ND	0.4	ND	0.3
PFS-446	03/10/2000	1187.1	SAM00605	ND	5.0	ND	0.2	75.1 ± 6.0	0.5	ND	0.7
PFS-446R*	03/10/2000	1187.1	SAM00608	ND	5.2	ND	0.2	73 ± 5.8	0.6	ND	0.8
PFS-447	03/13/2000	1021.8	SAM00611	ND	6.2	ND	0.2	ND	0.4	ND	0.4
PFS-448	03/13/2000	1137.9	SAM00612	ND	4.3	ND	0.1	ND	0.3	ND	0.3
PFS-449	03/13/2000	994.9	SAM00613	1.7 ± 1.9	3.2	ND	0.1	ND	0.1	ND	0.2
PFS-450	03/13/2000	1250.2	SAM00619	1.8 ± 2.1	3.4	ND	0.2	0.5 ± 0.2	0.1	ND	0.2
PFS-450R*	03/13/2000	1250.2	SAM00625	ND	4.4	ND	0.2	0.5 ± 0.2	0.2	ND	0.3
PFS-451	03/13/2000	1394.4	SAM00620	2.5 ± 2.1	3.4	ND	0.2	ND	0.3	ND	0.3
PFS-452	03/13/2000	1432	SAM00621	4.7 ± 2.3	3	ND	0.2	ND	0.3	ND	0.3
PFS-453	03/13/2000	1224.5	SAM00614	ND	5.1	ND	0.2	ND	0.3	ND	0.3
PFS-454	03/13/2000	1357.8	SAM00622	ND	5.7	ND	0.2	ND	0.3	ND	0.3
PFS-455	03/13/2000	1366.1	SAM00623	ND	5.8	ND	0.2	ND	0.3	ND	0.4
PFS-456	03/13/2000	1317.7	SAM00615	ND	5.9	ND	0.2	ND	0.3	ND	0.4
PFS-457	03/13/2000	1301.1	SAM00616	4.8 ± 2.6	3.6	ND	0.3	ND	0.3	ND	0.3
PFS-458	03/13/2000	1268.2	SAM00617	2.0 ± 2.3	5.5	ND	0.2	9.6 ± 1.0	0.3	ND	0.3
PFS-459	03/13/2000	1140.3	SAM00624	1.8 ± 2.1	3.4	ND	0.2	ND	0.3	ND	0.2
PFS-460	03/13/2000	1380.2	SAM00618	4.2 ± 2.3	3.1	ND	0.2	ND	0.3	ND	0.4
PFS-461	03/13/2000	1076	SAM00626	4.6 ± 2.3	3.1	ND	0.2	5.4 ± 0.7	0.3	ND	0.3
PFS-462	03/13/2000	963.7	SAM00627	ND	5.7	ND	0.2	0.8 ± 0.3	0.4	ND	0.4
PFS-463	03/13/2000	1374.1	SAM00628	3.0 ± 2.2	3.4	ND	0.2	19.5 ± 1.8	0.4	ND	0.6
PFS-464	03/13/2000	1156.8	SAM00629	3.0 ± 2.0	3.1	ND	0.2	21.5 ± 1.9	0.3	ND	0.5
PFS-465	03/13/2000	1269.4	SAM00630	4.8 ± 2.3	3.2	ND	0.2	33.2 ± 2.8	0.4	ND	0.6
PFS-466	03/13/2000	1069	SAM00631	ND	5.4	ND	0.2	4.1 ± 0.5	0.2	ND	0.3
PFS-467	03/13/2000	1181.5	SAM00632	3.9 ± 2.7	4.0	ND	0.3	13.5 ± 1.3	0.4	ND	0.5
PFS-468	03/13/2000	1240.6	SAM00633	ND	5.1	ND	0.2	9.3 ± 1.0	0.4	ND	0.4
PFS-469	03/13/2000	1180.3	SAM00634	ND	4.4	ND	0.2	0.3 ± 0.1	0.1	ND	0.2
PFS-470	03/14/2000	1109.1	SAM00636	3.1 ± 2.5	4.0	ND	0.2	0.6 ± 0.2	0.2	ND	0.3
PFS-471	03/14/2000	1096	SAM00637	5.3 ± 2.4	3.1	ND	0.2	0.6 ± 0.2	0.2	ND	0.4
PFS-472	03/14/2000	1151.3	SAM00638	1.7 ± 2.0	3.3	ND	0.2	0.6 ± 0.2	0.2	ND	0.3

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Soil Samples Collected in 1 Liter Bottles at the PFS Pipeline Excavation Site										
BGRR Sample ID	ANALYSIS DATE	Weight (grams)	ASTD Sample ID	Estimated Activity Concentration (pCi/gram)						
				K-40		Co-60		Cs-137		Am-241	
				Results	MDC	Results	MDC	Results	MDC	Results	MDC
PFS-473	03/14/2000	1019.6	SAM00639	4.1 ± 2.5	3.5	ND	0.3	0.7 ± 0.2	0.3	ND	0.4
PFS-474	03/14/2000	1270.9	SAM00640	4.4 ± 2.1	2.9	ND	0.2	0.4 ± 0.2	0.3	ND	0.3
PFS-475	03/14/2000	1162.3	SAM00641	3.5 ± 2.4	3.7	ND	0.2	1.5 ± 0.3	0.2	ND	0.3
PFS-476	03/14/2000	1059.9	SAM00635	2.7 ± 2.2	3.5	ND	0.2	10.4 ± 1.0	0.3	ND	0.4
PFS-477	03/14/2000	1082.1	SAM00642	3.5 ± 2.3	3.4	ND	0.2	0.5 ± 0.2	0.2	ND	0.3
PFS-478	03/14/2000	1018	SAM00643	ND	5.2	ND	0.2	0.6 ± 0.2	0.2	ND	0.3
PFS-479	03/14/2000	1081.7	SAM00644	ND	5.4	ND	0.2	0.6 ± 0.2	0.2	ND	0.3
PFS-480	03/14/2000	1229.6	SAM00645	ND	4.6	ND	0.2	0.5 ± 0.2	0.2	ND	0.3
PFS-480R*	03/14/2000	1229.6	SAM00646	3.4 ± 2.1	3.1	ND	0.2	0.5 ± 0.2	0.2	ND	0.3
PFS-481	03/14/2000	1080	SAM00647	ND	5.6	ND	0.2	0.6 ± 0.2	0.2	ND	0.3
PFS-482	03/14/2000	1135.5	SAM00648	3.8 ± 2.4	3.6	ND	0.2	0.7 ± 0.2	0.2	ND	0.3
PFS-483	03/14/2000	1218.1	SAM00649	2.1 ± 2.0	3.3	ND	0.2	0.6 ± 0.2	0.2	ND	0.3
PFS-484	03/15/2000	1091.3	SAM00650	5.3 ± 2.4	3.1	ND	0.2	ND	0.3	ND	0.3
PFS-485	03/15/2000	1024	SAM00651	ND	6.2	ND	0.2	ND	0.3	ND	0.3
PFS-486	03/15/2000	968	SAM00652	ND	5.0	ND	0.2	ND	0.3	ND	0.3
PFS-487	03/15/2000	1128.5	SAM00653	4.1 ± 2.3	3.2	ND	0.2	ND	0.3	ND	0.3
PFS-488	03/15/2000	1007	SAM00654	2.6 ± 2.5	4.1	ND	0.2	ND	0.3	ND	0.3
PFS-489	03/15/2000	1069	SAM00655	ND	5.6	ND	0.2	ND	0.3	ND	0.3
PFS-490	03/15/2000	1200	SAM00656	ND	5.2	ND	0.2	ND	0.2	ND	0.2
PFS-491	03/15/2000	1189	SAM00657	4.6 ± 2.2	3.1	ND	0.2	ND	0.3	ND	0.3
PFS-492	03/15/2000	1064.6	SAM00658	ND	5.8	ND	0.2	ND	0.3	ND	0.4
PFS-493	03/15/2000	1168.7	SAM00666	ND	4.7	ND	0.2	ND	0.2	ND	0.3
PFS-493R*	03/15/2000	1168.7	SAM00667	ND	4.9	ND	0.2	ND	0.3	ND	0.2
PFS-494	03/15/2000	1125	SAM00668	2.5 ± 2.1	3.3	ND	0.2	ND	0.2	ND	0.3
PFS-495	03/15/2000	1097.4	SAM00669	ND	5.1	ND	0.2	ND	0.2	ND	0.2
PFS-496	03/15/2000	1277.1	SAM00670	4.8 ± 2.6	3.7	ND	0.3	0.1 ± 0.1	0.2	ND	0.3
PFS-497	03/15/2000	1307.8	SAM00671	2.4 ± 2.7	4.5	ND	0.2	ND	0.3	ND	0.3
PFS-498	03/15/2000	1238.6	SAM00672	ND	4.5	ND	0.2	ND	0.2	ND	0.3
PFS-499	03/15/2000	1230.3	SAM00673	ND	6.0	ND	0.2	ND	0.3	ND	0.3
PFS-500	03/15/2000	1335.7	SAM00674	3.0 ± 2.3	3.5	ND	0.2	ND	0.3	ND	0.3
PFS-501A	03/15/2000	1185.1	SAM00675	ND	4.8	ND	0.1	ND	0.2	ND	0.2

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Soil Samples Collected in 1 Liter Bottles at the PFS Pipeline Excavation Site										
BGRR Sample ID	ANALYSIS DATE	Weight (grams)	ASTD Sample ID	Estimated Activity Concentration (pCi/gram)						
				K-40		Co-60		Cs-137		Am-241	
				Results	MDC	Results	MDC	Results	MDC	Results	MDC
PFS-502A	03/15/2000	1350	SAM00676	1.7 ± 2.1	3.5	ND	0.2	ND	0.2	ND	0.2
PFS-503A	03/15/2000	1284.2	SAM00677	3.1 ± 2.4	3.6	ND	0.3	ND	0.3	ND	0.3
PFS-504A	03/15/2000	1391.3	SAM00678	1.8 ± 2.0	3.3	ND	0.3	ND	0.2	ND	0.3
PFS-505A	03/15/2000	1227.7	SAM00660	1.9 ± 2.3	3.8	ND	0.2	ND	0.3	ND	0.3
PFS-506A	03/15/2000	1280.9	SAM00661	ND	5.5	ND	0.2	16.7 ± 1.6	0.4	ND	0.5
PFS-507A	03/15/2000	1429.4	SAM00663	ND	5.7	ND	0.2	83.2 ± 6.6	0.8	ND	0.9
PFS-508A	03/15/2000	1319.4	SAM00659	3.3 ± 2.2	3.3	ND	0.3	135 ± 10.5	0.7	ND	1.0
PFS-509A	03/15/2000	1228	SAM00664	3.1 ± 2.6	4.1	ND	0.2	33.8 ± 2.9	0.4	ND	0.6
PFS-510A	03/15/2000	1337.6	SAM00665	2.5 ± 2.3	3.8	ND	0.2	7.9 ± 0.9	0.3	ND	0.4
PFS-511	03/16/2000	1296	SAM00692	5.4 ± 2.8	3.9	ND	0.2	21 ± 1.9	0.3	ND	0.5
PFS-512	03/16/2000	1189	SAM00693	ND	4.5	ND	0.2	17.6 ± 1.6	0.4	ND	0.5
PFS-513	03/16/2000	1171.5	SAM00694	3.1 ± 2.4	3.7	ND	0.2	ND	0.3	ND	0.2
PFS-514	03/16/2000	1102	SAM00695	ND	4.6	ND	0.2	0.6 ± 0.2	0.2	ND	0.3
PFS-515	03/16/2000	1255	SAM00700	ND	4.9	ND	0.2	ND	0.2	ND	0.3
PFS-516	03/16/2000	1291.7	SAM00701	ND	4.2	ND	0.2	ND	0.2	ND	0.2
PFS-517	03/16/2000	1179.1	SAM00702	2.6 ± 2.2	3.6	ND	0.2	ND	0.1	ND	0.3
PFS-518	03/16/2000	1068.4	SAM00703	ND	5.5	ND	0.3	ND	0.3	ND	0.3
PFS-519	03/16/2000	1090.6	SAM00704	ND	6.0	ND	0.2	ND	0.3	ND	0.3
PFS-520	03/16/2000	1286.9	SAM00706	ND	4.9	ND	0.3	ND	0.3	ND	0.3
PFS-521	03/16/2000	1071.8	SAM00707	ND	5.1	ND	0.2	ND	0.3	ND	0.3
PFS-522	03/16/2000	1219	SAM00689	ND	5.7	ND	0.3	ND	0.3	ND	0.3
PFS-523	03/16/2000	1047.5	SAM00690	ND	5	ND	0.2	6.4 ± 0.7	0.3	ND	0.4
PFS-524	03/16/2000	1342.6	SAM00685	4.8 ± 2.5	3.5	ND	0.2	ND	0.3	ND	0.3
PFS-525	03/16/2000	1286	SAM00686	ND	5.7	ND	0.2	ND	0.3	ND	0.3
PFS-526	03/16/2000	1300	SAM00687	ND	5.1	ND	0.3	ND	0.3	ND	0.3
PFS-527	03/16/2000	1285.8	SAM00688	ND	5.2	ND	0.2	ND	0.3	ND	0.3
PFS-528	03/16/2000	971.9	SAM00708	2.5 ± 1.8	2.8	ND	0.2	21.2 ± 1.8	0.4	ND	0.4
PFS-529	03/16/2000	1037.2	SAM00709	2.9 ± 2.3	3.6	ND	0.3	15.5 ± 1.5	0.4	ND	0.5
PFS-530	03/16/2000	855.8	SAM00711	2.9 ± 2.3	3.7	ND	0.2	33.2 ± 2.8	0.4	ND	0.5
PFS-531	03/16/2000	1198.4	SAM00713	ND	4.2	ND	0.2	ND	0.2	ND	0.3
PFS-532A	03/16/2000	1127.2	SAM00714	ND	5.3	ND	0.3	ND	0.4	ND	0.2

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Soil Samples Collected in 1 Liter Bottles at the PFS Pipeline Excavation Site											
BGRR Sample ID	ANALYSIS DATE	Weight (grams)	ASTD Sample ID	Estimated Activity Concentration (pCi/gram)							
				K-40		Co-60		Cs-137		Am-241	
				Results	MDC	Results	MDC	Results	MDC	Results	MDC
PFS-533	03/16/2000	1258.7	SAM00715	3.3 ± 2.1	3.2	ND	0.1	14.1 ± 1.3	0.3	ND	0.4
PFS-533R*	03/16/2000	1258.7	SAM00716	2.3 ± 1.8	2.8	ND	0.1	13.3 ± 1.2	0.3	ND	0.4
PFS-534	03/16/2000	1319	SAM00679	3.1 ± 2.4	3.8	ND	0.3	ND	0.3	ND	0.3
PFS-535	03/16/2000	1266.5	SAM00680	2.4 ± 2.7	4.4	ND	0.2	88.8 ± 7.1	0.6	ND	1.0
PFS-535R*	03/16/2000	1266.5	SAM00684	3.1 ± 2.8	4.5	ND	0.2	93 ± 7.4	0.6	ND	0.9
PFS-536	03/16/2000	1358.4	SAM00681	ND	4.9	ND	0.3	0.7 ± 0.2	0.2	ND	0.3
PFS-537	03/16/2000	1380	SAM00682	ND	5.6	ND	0.2	ND	0.3	ND	0.3
PFS-538	03/16/2000	1542	SAM00683	1.7 ± 2.0	3.3	ND	0.2	1.2 ± 0.3	0.2	ND	0.3
PFS-539	03/16/2000	1434	SAM00691	2.8 ± 2.2	3.5	ND	0.2	8.8 ± 0.9	0.5	ND	0.4
PFS-540-1E	03/16/2000	1270.7	SAM00696	ND	4.5	ND	0.2	2.4 ± 0.4	0.2	ND	0.3
PFS-541-2N	03/16/2000	1469.4	SAM00697	ND	4.7	ND	0.1	0.3 ± 0.1	0.2	ND	0.3
PFS-542-3W	03/16/2000	1407.5	SAM00698	ND	5.7	ND	0.2	0.5 ± 0.2	0.2	ND	0.3
PFS-543-W	03/16/2000	1386.1	SAM00699	2.8 ± 2.3	3.6	ND	0.2	13.1 ± 1.3	0.4	ND	0.4
PFS-544	03/16/2000	1283.5	SAM00705	ND	4.4	ND	0.2	1.2 ± 0.2	0.2	ND	0.3
PFS-545	03/16/2000	1255.9	SAM00710	1.5 ± 2.0	3.3	ND	0.2	4.5 ± 0.5	0.2	ND	0.3
PFS-546	03/16/2000	1164.4	SAM00712	ND	5.2	ND	0.2	1.2 ± 0.3	0.2	ND	0.3
PFSGPN-001	02/15/2000	1365.4	SAM00234	ND	5.8	ND	0.2	3.8 ± 0.5	0.3	ND	0.4
PFSGPN-002	02/15/2000	1258.8	SAM00235	5.9 ± 2.7	3.6	ND	0.2	1.2 ± 0.3	0.2	ND	0.3
PFSGPN-003	02/15/2000	1136.4	SAM00236	ND	5.0	ND	0.3	ND	0.2	ND	0.2
PFSGPN-004	02/15/2000	1023	SAM00240	ND	5.7	ND	0.2	ND	0.3	ND	0.3
PFSGPN-005	02/15/2000	1187.5	SAM00241	ND	5.2	ND	0.2	3.3 ± 0.5	0.2	ND	0.3
PFSGPN-006	02/15/2000	1299.1	SAM00242	ND	5.1	ND	0.2	3.4 ± 0.5	0.2	ND	0.4
PFSGPN-007	02/15/2000	1131.1	SAM00243	ND	5.0	ND	0.2	ND	0.2	ND	0.3
PFSGPN-008	02/15/2000	1369.3	SAM00244	4.4 ± 2.6	3.7	ND	0.2	2 ± 0.4	0.3	ND	0.4
PFSGPN-009	02/15/2000	1215.4	SAM00245	3.7 ± 2.8	4.3	ND	0.2	ND	0.3	ND	0.4
PFSGPN-010	02/15/2000	1295.5	SAM00246	4.8 ± 3.0	4.6	ND	0.3	2.7 ± 0.4	0.1	ND	0.4
PFSGPN-011	02/15/2000	1211.8	SAM00247	2.6 ± 2.7	4.4	ND	0.2	ND	0.3	ND	0.4
PFSGPN-012	02/15/2000	323.9	SAM00252	4.5 ± 3.2	4.8	ND	0.3	ND	0.4	ND	0.3
PFSGPN-013	02/15/2000	297.3	SAM00253	ND	8.9	ND	0.4	ND	0.3	ND	0.3
PFSGPN-013*	02/15/2000	297.3	SAM00254	ND	8.2	ND	0.3	ND	0.4	ND	0.4
PFSGPN-014	02/16/2000	495.9	SAM00260	2.3 ± 2.5	4.1	ND	0.2	ND	0.2	ND	0.2

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Soil Samples Collected in 1 Liter Bottles at the PFS Pipeline Excavation Site											
BGRR Sample ID	ANALYSIS DATE	Weight (grams)	ASTD Sample ID	Estimated Activity Concentration (pCi/gram)							
				K-40		Co-60		Cs-137		Am-241	
				Results	MDC	Results	MDC	Results	MDC	Results	MDC
PFSGPN-015	02/16/2000	654.1	**SAM00261**	5.5 ± 3.3	4.9	ND	0.2	ND	0.3	ND	0.3
PFSGPN-016	02/16/2000	651.4	**SAM00267**	3.8 ± 2.8	4.3	ND	0.2	ND	0.3	ND	0.3
PFSGPN-017	02/17/2000	274.7	**SAM00276**	ND	10.1	ND	0.4	ND	0.4	ND	0.4
PFSGPS-001	02/18/2000	1377.8	**SAM00277**	ND	5.0	ND	0.2	151 ± 11.8	1	ND	1.3
PFSGPS-002	02/18/2000	1008.7	**SAM00278**	6.3 ± 1.8	1.3	ND	0.1	62.6 ± 5.0	0.5	ND	0.6
PFSGPS-003	02/18/2000	1365.8	**SAM00279**	6.1 ± 3.2	3.2	ND	0.2	2.6 ± 0.4	0.2	ND	0.4
PFSGPS-004	02/18/2000	1409.8	**SAM00280**	9.3 ± 2.5	1.8	ND	0.2	87.1 ± 6.9	0.8	ND	1.0
PFSGPS-005	02/18/2000	1344.4	**SAM00281**	5.2 ± 2.4	3.0	ND	0.2	0.2 ± 0.1	0.2	ND	0.3
PFSGPS-006	02/18/2000	1237.5	**SAM00282**	7.0 ± 2.5	2.6	ND	0.3	51.9 ± 4.3	0.7	ND	0.8
PFSGPS-007	02/18/2000	1213.6	**SAM00283**	7.0 ± 2.5	2.4	ND	0.3	ND	0.4	ND	0.3
PFSGPS-008	02/18/2000	1354.4	**SAM00284**	8.0 ± 2.4	2.0	ND	0.2	67.7 ± 5.4	0.7	ND	0.8
PFSGPS-009	02/18/2000	1362.6	**SAM00285**	ND	5.2	ND	0.2	0.5 ± 0.2	0.2	ND	0.3
PFSGPS-010	02/18/2000	538.1	**SAM00286**	10.6 ± 3.0	0.6	ND	0.2	4.4 ± 0.6	0.4	ND	0.5
PFSGPS-011	02/18/2000	487.3	**SAM00287**	5.0 ± 2.2	2.7	ND	0.2	142 ± 11.1	0.6	ND	0.8
PFSGPS-012	02/18/2000	614.6	**SAM00288**	ND	6.2	ND	0.2	ND	0.5	ND	0.3
PFSGPS-013	02/18/2000	633.2	**SAM00289**	8.9 ± 2.9	2.9	ND	0.3	1.0 ± 0.3	0.2	ND	0.3
PFS-OB1	03/28/2000	1359.6	**SAM00747**	2.8 ± 2.5	4.0	ND	0.2	ND	0.3	ND	0.3
PFS-OB2	03/28/2000	1434.2	**SAM00748**	3.4 ± 2.1	3.1	ND	0.2	ND	0.3	ND	0.4
PFS-OB3	03/28/2000	1384.2	**SAM00749**	ND	5.6	ND	0.2	ND	0.3	ND	0.4
PFS-OB4	03/28/2000	1451.2	**SAM00750**	2.4 ± 2.2	3.5	ND	0.2	ND	0.3	ND	0.4
PFS-OB5	03/28/2000	1222.5	**SAM00751**	ND	6.7	ND	0.3	ND	0.3	ND	0.4
PFS-OB6	03/28/2000	1196.5	**SAM00752**	4.6 ± 2.6	3.7	ND	0.3	ND	0.4	ND	0.4

MDC = Minimum detectable concentrations; ND = not detected; * = sample re-counted
Uncertainty reported at the 95% confidence level and represents counting error and ISOCS-generated efficiency error.