ENTERED

Los Alamos
NATIONAL LABORATORY
EST. 1943
Environmental Programs
P.O. Box 1663, MS M991
Los Alamos, New Mexico 87545
(505) 606-2337/FAX (505) 665-1812

07-02-09 PM 1:25

National Nuclear Security Administration
Los Alamos Site Office, MS A316
Environmental Restoration Program
Los Alamos, New Mexico 87544
(505) 667-4255/FAX (505) 606-2132

Date: July 1, 2009
Refer To: EP2009-0311

Mr. Rich Mayer, Senior Environmental Engineer
Environmental Protection Agency, Region 6
1445 Ross Avenue, Suite 1200
Dallas, TX 75202-2733

Subject: Revised Figure 4 and New Figure 5 and Table 8 for the Notice of Self-Implementation of On-Site Cleanup of PCB Remediation Waste at Consolidated Unit 21-003-99 and Solid Waste Management Unit 21-024(c) at Los Alamos National Laboratory (LANL)

Reference: Environmental Protection Agency Approval with Modification of the Notice of Self Implementation [P]ertaining to the On-Site Cleanup of PCB Remediation Waste at Consolidated Unit 21-003-99 and Solid Waste Management Unit 21-024(c) at Los Alamos National Laboratory (LANL), May 22, 2009

Dear Mr. Mayer:

The results of the polychlorinated biphenyl (PCB) preexcavation samples at Consolidated Unit 21-003-99 have been received. In accordance with the schedule section on page 5 of the approved plan, Los Alamos National Laboratory (LANL) has finalized the extent of soil removal and the depths of each of the seven excavation areas at the site. In accordance with the referenced document, LANL is providing notice of changes to the excavation area within 7 days of receiving the preexcavation sampling results. Enclosed please find the following:

- Revised Figure 4 - Proposed PCB Confirmation Sampling Locations
- New Figure 5 - Preexcavation PCB Sampling Results and Revised Excavation Areas
- New Table 8 - Preexcavation PCB Sampling Results

31872

LANL will begin the remediation of the sites the week of July 6, 2009. If you have any questions, please contact Mark Thacker at (505) 699-1963 (mthacker@lanl.gov) or Woody Woodworth at (505) 665-5820 (lwoodworth@doeal.gov).

Sincerely,

Michael J. Graham, Associate Director
Environmental Programs
Los Alamos National Laboratory

Sincerely,

David R. Gregory, Project Director
Environmental Operations
Los Alamos Site Office

MG/DG/AC/MT:sm

Enclosures: Two hard copies with electronic files – Revised Figure 4 and new Figure 5 and Table 8 for the Notice of Self-Implementation of On-Site Cleanup of PCB Remediation Waste at Consolidated Unit 21-003-99 and Solid Waste Management Unit 21-024(c) at Los Alamos National Laboratory (LA-UR-09-2807)

Cy: (w/enc.)
Lawrence E. Starfield, EPA, Dallas, TX
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David Cobrain, NMED-HWB, Santa Fe, NM
Max Baker, Los Alamos County, Los Alamos, NM
Woody Woodworth, DOE-LASO, MS A316
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Table 8
Preexcavation PCB Sampling Results at Consolidated Unit 21-003-99 and SWMU 21-024(c)

Sample ID	Location ID	Top Depth (ft)	Bottom Depth (ft)	Media Code	Aroclor-1248 (mg/kg)	Aroclor-1254 (mg/kg)	Aroclor-1260 (mg/kg)	Total PCBs (mg/kg)
MD21-09-9860	21-25752	3.8	4.8	Soil	—[a]	—	0.071	0.071
MD21-09-9861	21-25753	2.3	3.3	Qbt3	—	—	—	—
MD21-09-9862	21-25753	3.8	4.8	Qbt3	—	—	—	—
RE21-09-2642	21-604461	0	0.5	Qbt3	—	0.23	0.44	0.67
RE21-09-2643	21-604461	0.5	1	Qbt3	—	0.081	0.15	0.231
RE21-09-2644	21-604461	1.5	2	Qbt3	—	—	0.059	0.059
RE21-09-2645	21-604462	0	0.5	Soil	0.15	—	0.26	0.41
RE21-09-2646	21-604462	0.5	1	Qbt3	0.021(J)[b]	—	0.047	0.068
RE21-09-2647	21-604462	1.5	2	Qbt3	—	—	—	—
RE21-09-2648	21-604463	0	0.5	Soil	—	0.1	0.15(J)	0.25
RE21-09-2649	21-604463	0.5	1	Soil	—	0.53(J-)[c]	0.32(J-)	0.85
RE21-09-2650	21-604463	1.5	2	Qbt3	—	0.1	0.069(J)	0.169
RE21-09-2651	21-604464	0	0.5	Soil	—	—	0.049	0.049
RE21-09-2652	21-604464	0.5	1	Soil	—	—	0.023(J)	0.023(J)
RE21-09-2653	21-604464	1.5	2	Qbt3	—	—	—	—
RE21-09-2654	21-604465	0	0.5	Soil	—	0.59	0.97	1.56
RE21-09-2655	21-604465	0.5	1	Qbt3	—	0.51	0.33	0.84
RE21-09-2656	21-604465	1.5	2	Qbt3	—	0.092	0.18	0.272
RE21-09-2657	21-604466	0	0.5	Soil	—	—	—	—
RE21-09-2658	21-604466	0.5	1	Qbt3	—	—	—	—
RE21-09-2659	21-604466	1.5	2	Qbt3	—	—	—	—
RE21-09-2660	21-604467	0	0.5	Soil	—	0.86	1.7	2.56
RE21-09-2661	21-604467	0.5	1	Soil	—	0.55	1.1	1.65

Table 8 (continued)

Sample ID	Location ID	Top Depth (ft)	Bottom Depth (ft)	Media Code	Aroclor-1248 (mg/kg)	Aroclor-1254 (mg/kg)	Aroclor-1260 (mg/kg)	Total PCBs (mg/kg)
RE21-09-2662	21-604467	1.5	2	Soil	—	0.13	0.28	0.41
RE21-09-2663	21-604468	0	0.5	Soil	—	1.2	2.4	3.6
RE21-09-2664	21-604468	0.5	1	Soil	—	0.21	0.44	0.65
RE21-09-2665	21-604468	1.5	2	Soil	—	0.087	0.16	0.247
RE21-09-2666	21-604469	3	3.5	Qbt3	—	2.7	2.6	5.3
RE21-09-2669	21-604470	0	0.5	Soil	—	—	0.083	0.083
RE21-09-2670	21-604470	0.5	1	Soil	—	—	—	—
RE21-09-2671	21-604470	1.5	2	Qbt3	—	—	—	—
RE21-09-2672	21-604471	0	0.5	Soil	—	0.059	0.11	0.169
RE21-09-2673	21-604471	0.5	1	Soil	—	—	0.52	0.52
RE21-09-2674	21-604471	1.5	2	Qbt3	—	—	0.015	0.015
RE21-09-2675	21-604472	0	0.5	Soil	—	—	0.11	0.11
RE21-09-2676	21-604472	0.5	1	Qbt3	—	0.036	0.023	0.059
RE21-09-2677	21-604472	1.5	2	Qbt3	—	—	0.0086	0.0086
RE21-09-2678	21-604473	0	0.5	Qbt3	—	0.71	1.3	2.01
RE21-09-2679	21-604473	0.5	1	Qbt3	—	0.61	1.1	1.71
RE21-09-2680	21-604473	1.5	2	Qbt3	—	0.23	0.44	0.67
RE21-09-2681	21-604474	0	0.5	Qbt3	—	—	0.95	0.95
RE21-09-2682	21-604474	0.5	1	Qbt3	—	—	0.31	0.31
RE21-09-2683	21-604474	1.5	2	Qbt3	—	—	0.14	0.14
RE21-09-2684	21-604475	0	0.5	Soil	—	1	2.1	3.1
RE21-09-2685	21-604475	0.5	1	Soil	—	0.3	0.58	0.88
RE21-09-2686	21-604475	1.5	2	Soil	—	—	0.02	0.02
RE21-09-2687	21-604476	0	0.5	Soil	—	—	0.1	0.1

Table 8 (continued)

Sample ID	Location ID	Top Depth (ft)	Bottom Depth (ft)	Media Code	Aroclor-1248 (mg/kg)	Aroclor-1254 (mg/kg)	Aroclor-1260 (mg/kg)	Total PCBs (mg/kg)
RE21-09-2688	21-604476	0.5	1	Soil	—	—	—	—
RE21-09-2689	21-604476	1.5	2	Qbt3	—	—	—	—
RE21-09-2690	21-604477	0	0.5	Soil	—	8.6	14	22.6
RE21-09-2691	21-604477	0.5	1	Qbt3	—	0.61	1	1.61
RE21-09-2692	21-604477	1.5	2	Qbt3	—	0.11	0.18	0.29
RE21-09-2693	21-604478	3	3.5	Qbt3	—	0.75	1.6	2.35
RE21-09-2696	21-604479	0	0.5	Qbt3	—	—	—	—
RE21-09-2697	21-604479	0.5	1	Qbt3	—	—	—	—
RE21-09-2698	21-604479	1.5	2	Qbt3	—	—	—	—
RE21-09-2699	21-604480	0	0.5	Qbt3	—	—	0.43	0.43
RE21-09-2700	21-604480	0.5	1	Qbt3	—	—	0.064	0.064
RE21-09-2701	21-604480	1.5	2	Qbt3	—	—	0.018	0.018
RE21-09-2702	21-604481	0	0.5	Qbt3	—	—	0.13	0.13
RE21-09-2703	21-604481	0.5	1	Qbt3	—	—	0.03	0.03
RE21-09-2704	21-604481	1.5	2	Qbt3	—	—	0.016	0.016
RE21-09-2705	21-604482	0	0.5	Qbt3	—	—	0.061	0.061
RE21-09-2706	21-604482	0.5	1	Qbt3	—	—	0.017	0.017
RE21-09-2707	21-604482	1.5	2	Qbt3	—	—	—	—
RE21-09-2708	21-604483	0	0.5	Qbt3	—	—	0.25	0.25
RE21-09-2709	21-604483	0.5	1	Qbt3	—	—	0.16	0.16
RE21-09-2710	21-604483	1.5	2	Qbt3	—	—	0.079	0.079
RE21-09-2711	21-604484	0	0.5	Soil	—	—	0.15	0.15
RE21-09-2712	21-604484	1.5	2	Qbt3	—	—	0.044	0.044
RE21-09-2713	21-604485	0	0.5	Soil	—	—	0.48	0.48

Table 8 (continued)

Sample ID	Location ID	Top Depth (ft)	Bottom Depth (ft)	Media Code	Aroclor-1248 (mg/kg)	Aroclor-1254 (mg/kg)	Aroclor-1260 (mg/kg)	Total PCBs (mg/kg)
RE21-09-2714	21-604485	1.5	2	Qbt3	—	—	0.03	0.03
RE21-09-2715	21-604486	0	0.5	Soil	—	—	—	—
RE21-09-2716	21-604486	1.5	2	Soil	—	—	—	—
RE21-09-2717	21-604487	6.5	7	Qbt3	—	13	—	13
RE21-09-2719	21-604488	0	0.5	Soil	—	—	—	—
RE21-09-2720	21-604488	1.5	2	Qbt3	—	—	—	—
RE21-09-2721	21-604489	0	0.5	Soil	—	—	0.038	0.038
RE21-09-2722	21-604489	1.5	2	Qbt3	—	—	—	—
RE21-09-2723	21-604490	3	3.5	Qbt3	—	14	—	14
RE21-09-2724	21-604491	0	0.5	Soil	—	1.4	0.86	2.26
RE21-09-2725	21-604491	1.5	2	Qbt3	—	1.4	0.57	1.97
RE21-09-2726	21-604491	3	3.5	Qbt3	—	1.1	0.35	1.45
MD21-09-9863	21-605366	0	0.5	Soil	—	2.6	1.5	4.1
MD21-09-9864	21-605366	0.5	1	Soil	—	—	0.85	0.85
MD21-09-9865	21-605366	1.5	2	Soil	—	—	0.27	0.27
MD21-09-9866	21-605367	0	0.5	Soil	—	—	1.5	1.5
MD21-09-9867	21-605367	0.5	1	Soil	—	—	0.35	0.35
MD21-09-9868	21-605367	1.5	2	Qbt3	—	—	0.19	0.19
MD21-09-9869	21-605368	0	0.5	Soil	—	—	0.061	0.061
MD21-09-9870	21-605368	0.5	1	Soil	—	—	0.1	0.1
MD21-09-9871	21-605368	1.5	2	Soil	—	—	2.4	2.4
MD21-09-10518	21-605368	3	3.5	Qbt3	—	—	0.044	0.044
MD21-09-9872	21-605369	0	0.5	Soil	—	—	0.19	0.19
MD21-09-9873	21-605369	0.5	1	Soil	—	—	0.054	0.054

Table 8 (continued)

Sample ID	Location ID	Top Depth (ft)	Bottom Depth (ft)	Media Code	Aroclor-1248 (mg/kg)	Aroclor-1254 (mg/kg)	Aroclor-1260 (mg/kg)	Total PCBs (mg/kg)
MD21-09-9874	21-605369	1.5	2	Soil	—	—	—	—
MD21-09-9875	21-605370	0	0.5	Soil	—	—	1.4	1.4
MD21-09-9876	21-605370	0.5	1	Qbt3	—	—	0.25	0.25
MD21-09-9877	21-605370	1.5	2	Qbt3	—	—	0.12	0.12
MD21-09-9878	21-605370	3	3.5	Qbt3	—	—	—	—
MD21-09-9879	21-605371	0	0.5	Qbt3	—	—	0.041	0.041
MD21-09-9880	21-605371	0.5	1	Qbt3	—	—	—	—
MD21-09-9881	21-605371	1.5	2	Qbt3	—	—	—	—
MD21-09-9882	21-605372	0	0.5	Soil	—	5.5	5.1	10.6
MD21-09-9883	21-605372	0.5	1	Soil	—	1.8	0.95	2.75
MD21-09-9884	21-605372	1.5	2	Soil	—	0.17	0.082	0.252
MD21-09-9885	21-605373	0	0.5	Soil	—	0.14(J)	0.39	0.53
MD21-09-9886	21-605373	0.5	1	Soil	—	—	0.087	0.087
MD21-09-9887	21-605373	1.5	2	Soil	—	—	—	—
MD21-09-9888	21-605374	0	0.5	Qbt3	—	—	0.12	0.12
MD21-09-9889	21-605374	0.5	1	Qbt3	—	—	—	—
MD21-09-9890	21-605374	1.5	2	Qbt3	—	—	—	—
MD21-09-9891	21-605375	0	0.5	Soil	—	0.31	0.65	0.96
MD21-09-9892	21-605375	0.5	1	Soil	—	—	0.86	0.86
MD21-09-9893	21-605375	1.5	2	Qbt3	—	0.22	0.43	0.65
MD21-09-9894	21-605376	0	0.5	Soil	—	0.64	1.1	1.74
MD21-09-9895	21-605376	0.5	1	Qbt3	—	0.12	0.2	0.32
MD21-09-9896	21-605376	1.5	2	Qbt3	—	0.13	0.22	0.35
MD21-09-9897	21-605377	0	0.5	Soil	—	—	0.1	0.1

Table 8 (continued)

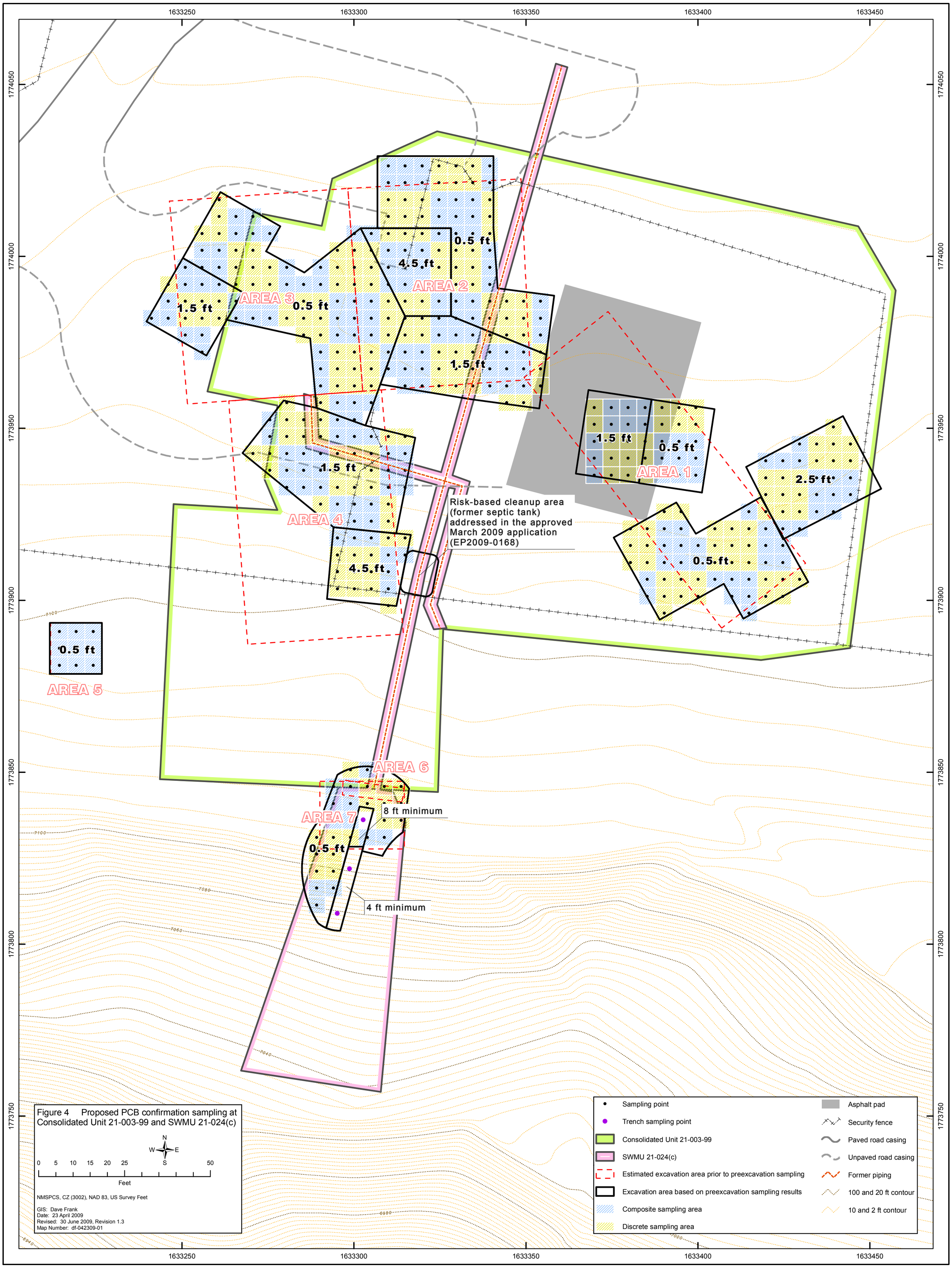
Sample ID	Location ID	Top Depth (ft)	Bottom Depth (ft)	Media Code	Aroclor-1248 (mg/kg)	Aroclor-1254 (mg/kg)	Aroclor-1260 (mg/kg)	Total PCBs (mg/kg)
MD21-09-9898	21-605377	0.5	1	Soil	—	—	—	—
MD21-09-9899	21-605377	1.5	2	Qbt3	—	—	—	—
MD21-09-9900	21-605378	0	0.5	Soil	—	—	0.17	0.17
MD21-09-9901	21-605378	0.5	1	Qbt3	—	—	0.019(J)	0.019(J)
MD21-09-9902	21-605378	1.5	2	Qbt3	—	—	0.072	0.072
MD21-09-9903	21-605378	3	3.5	Qbt3	—	—	0.018(J)	0.018(J)
MD21-09-9904	21-605379	0	0.5	Qbt3	—	—	0.81	0.81
MD21-09-9905	21-605379	0.5	1	Qbt3	—	—	0.078	0.078
MD21-09-9906	21-605379	1.5	2	Qbt3	—	—	0.09	0.09
MD21-09-9907	21-605380	0	0.5	Soil	—	—	0.042	0.042
MD21-09-9908	21-605380	0.5	1	Soil	—	—	—	—
MD21-09-9909	21-605380	1.5	2	Soil	—	0.12	0.12	0.24
MD21-09-10519	21-605532	0	0.5	Soil	—	—	0.77	0.77
MD21-09-10520	21-605532	0.5	1	Qbt3	—	—	—	—
MD21-09-10521	21-605533	0	0.5	Soil	—	—	0.02(J)	0.02(J)
MD21-09-10522	21-605533	0.5	1	Soil	—	—	—	—
MD21-09-10523	21-605533	1.5	2	Qbt3	—	—	—	—

Note: All data results are preliminary and have not been validated by LANL.

[a] — = Not detected.

[b] = (J) Estimated value.

[c] = (J-) Estimated value biased low.


1633250
1633300
1633350
1633400
1633450
1774050
1774000
1773950
1773900
1773850
1773800
1773750
AREA 1
AREA 2
AREA 3
AREA 4
AREA 5
AREA 6
AREA 7
0.5 ft
4.5 ft
1.5 ft
0.5 ft
1.5 ft
1.5 ft
0.5 ft
1.5 ft
2.5 ft
0.5 ft
4.5 ft
0.5 ft
8 ft minimum
4 ft minimum
Risk-based cleanup area (former septic tank) addressed in the approved March 2009 application (EP2009-0168)
Figure 4 Proposed PCB confirmation sampling at Consolidated Unit 21-003-99 and SWMU 21-024(c)
N
W
E
S
0 5 10 15 20 25 50
Feet
NMSPCS, CZ (3002), NAD 83, US Survey Feet
GIS: Dave Frank
Date: 23 April 2009
Revised: 30 June 2009, Revision 1.3
Map Number: df-042309-01
Sampling point
Trench sampling point
Consolidated Unit 21-003-99
SWMU 21-024(c)
Estimated excavation area prior to preexcavation sampling
Excavation area based on preexcavation sampling results
Composite sampling area
Discrete sampling area
Asphalt pad
Security fence
Paved road casing
Unpaved road casing
Former piping
100 and 20 ft contour
10 and 2 ft contour

EP2009-0311

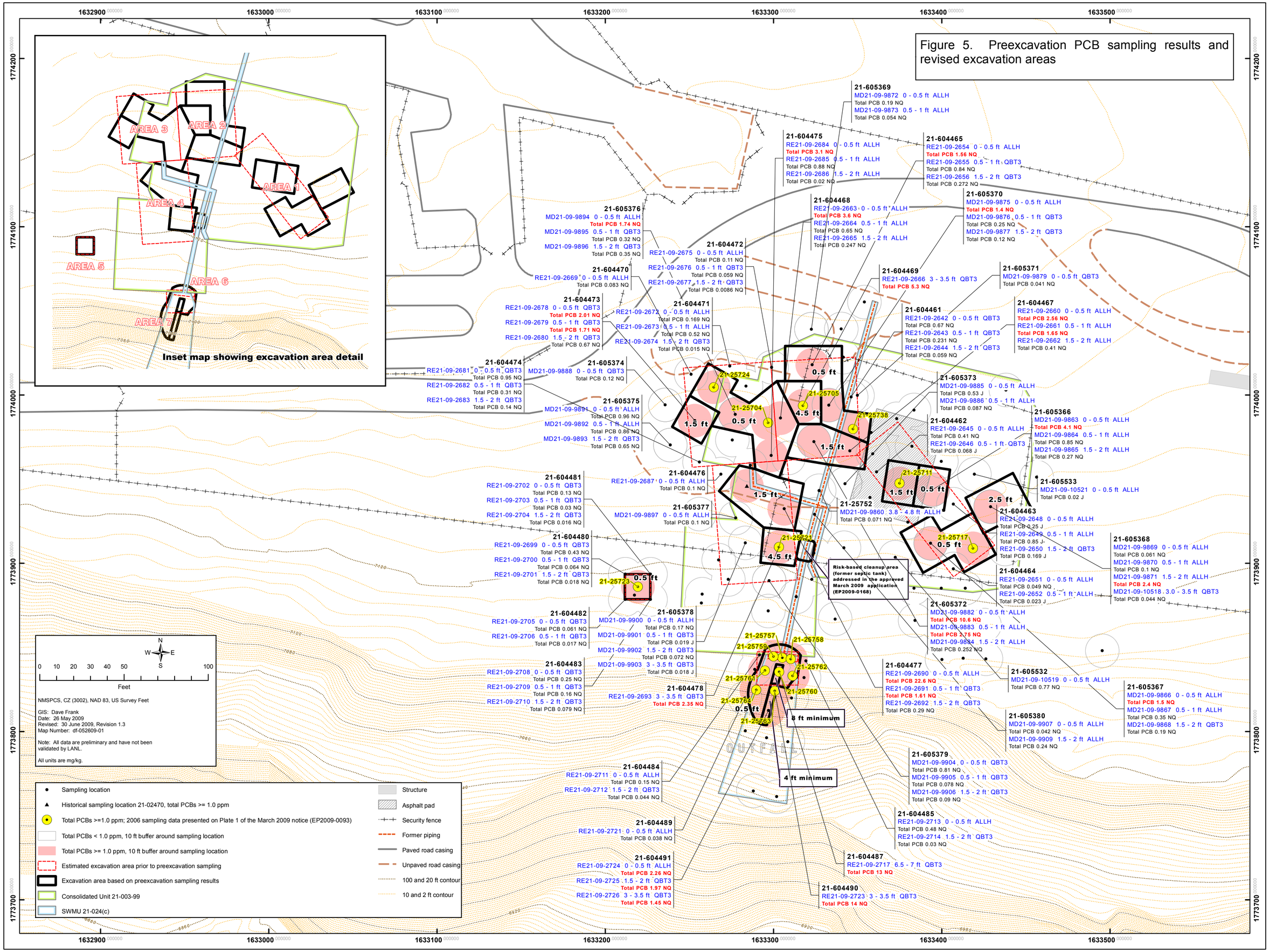


Figure 5. Preexcavation PCB sampling results and revised excavation areas
Inset map showing excavation area detail
AREA 1
AREA 2
AREA 3
AREA 4
AREA 5
AREA 6
AREA 7
21-605369
MD21-09-9872 0 - 0.5 ft ALLH
Total PCB 0.19 NQ
MD21-09-9873 0.5 - 1 ft ALLH
Total PCB 0.054 NQ
21-604475
RE21-09-2684 0 - 0.5 ft ALLH
Total PCB 3.1 NQ
RE21-09-2685 0.5 - 1 ft ALLH
Total PCB 0.88 NQ
RE21-09-2686 1.5 - 2 ft ALLH
Total PCB 0.02 NQ
21-604465
RE21-09-2654 0 - 0.5 ft ALLH
Total PCB 1.56 NQ
RE21-09-2655 0.5 - 1 ft QBT3
Total PCB 0.84 NQ
RE21-09-2656 1.5 - 2 ft QBT3
Total PCB 0.272 NQ
21-605370
MD21-09-9875 0 - 0.5 ft ALLH
Total PCB 1.4 NQ
MD21-09-9876 0.5 - 1 ft QBT3
Total PCB 0.25 NQ
MD21-09-9877 1.5 - 2 ft QBT3
Total PCB 0.12 NQ
21-604468
RE21-09-2663 0 - 0.5 ft ALLH
Total PCB 3.6 NQ
RE21-09-2664 0.5 - 1 ft ALLH
Total PCB 0.65 NQ
RE21-09-2665 1.5 - 2 ft ALLH
Total PCB 0.247 NQ
21-605376
MD21-09-9894 0 - 0.5 ft ALLH
Total PCB 1.74 NQ
MD21-09-9895 0.5 - 1 ft QBT3
Total PCB 0.32 NQ
MD21-09-9896 1.5 - 2 ft QBT3
Total PCB 0.35 NQ
21-604472
RE21-09-2675 0 - 0.5 ft ALLH
Total PCB 0.11 NQ
RE21-09-2676 0.5 - 1 ft QBT3
Total PCB 0.059 NQ
RE21-09-2677 1.5 - 2 ft QBT3
Total PCB 0.0086 NQ
21-604470
RE21-09-2669 0 - 0.5 ft ALLH
Total PCB 0.083 NQ
21-604469
RE21-09-2666 3 - 3.5 ft QBT3
Total PCB 5.3 NQ
21-605371
MD21-09-9879 0 - 0.5 ft QBT3
Total PCB 0.041 NQ
21-604473
RE21-09-2678 0 - 0.5 ft QBT3
Total PCB 2.01 NQ
RE21-09-2679 0.5 - 1 ft QBT3
Total PCB 1.71 NQ
RE21-09-2680 1.5 - 2 ft QBT3
Total PCB 0.67 NQ
21-604471
RE21-09-2672 0 - 0.5 ft ALLH
Total PCB 0.169 NQ
RE21-09-2673 0.5 - 1 ft ALLH
Total PCB 0.52 NQ
RE21-09-2674 1.5 - 2 ft QBT3
Total PCB 0.015 NQ
21-604461
RE21-09-2642 0 - 0.5 ft QBT3
Total PCB 0.67 NQ
RE21-09-2643 0.5 - 1 ft QBT3
Total PCB 0.231 NQ
RE21-09-2644 1.5 - 2 ft QBT3
Total PCB 0.059 NQ
21-604467
RE21-09-2660 0 - 0.5 ft ALLH
Total PCB 2.56 NQ
RE21-09-2661 0.5 - 1 ft ALLH
Total PCB 1.65 NQ
RE21-09-2662 1.5 - 2 ft ALLH
Total PCB 0.41 NQ
21-604474
RE21-09-2681 0 - 0.5 ft QBT3
Total PCB 0.95 NQ
RE21-09-2682 0.5 - 1 ft QBT3
Total PCB 0.31 NQ
RE21-09-2683 1.5 - 2 ft QBT3
Total PCB 0.14 NQ
21-605374
MD21-09-9888 0 - 0.5 ft QBT3
Total PCB 0.12 NQ
21-605373
MD21-09-9885 0 - 0.5 ft ALLH
Total PCB 0.53 J
MD21-09-9886 0.5 - 1 ft ALLH
Total PCB 0.087 NQ
21-605375
MD21-09-9891 0 - 0.5 ft ALLH
Total PCB 0.96 NQ
MD21-09-9892 0.5 - 1 ft ALLH
Total PCB 0.86 NQ
MD21-09-9893 1.5 - 2 ft QBT3
Total PCB 0.65 NQ
21-604462
RE21-09-2645 0 - 0.5 ft ALLH
Total PCB 0.41 NQ
RE21-09-2646 0.5 - 1 ft QBT3
Total PCB 0.068 J
21-605366
MD21-09-9863 0 - 0.5 ft ALLH
Total PCB 4.1 NQ
MD21-09-9864 0.5 - 1 ft ALLH
Total PCB 0.85 NQ
MD21-09-9865 1.5 - 2 ft ALLH
Total PCB 0.27 NQ
21-605533
MD21-09-10521 0 - 0.5 ft ALLH
Total PCB 0.02 J
21-604476
RE21-09-2687 0 - 0.5 ft ALLH
Total PCB 0.1 NQ
21-604481
RE21-09-2702 0 - 0.5 ft QBT3
Total PCB 0.13 NQ
RE21-09-2703 0.5 - 1 ft QBT3
Total PCB 0.03 NQ
RE21-09-2704 1.5 - 2 ft QBT3
Total PCB 0.016 NQ
21-605377
MD21-09-9897 0 - 0.5 ft ALLH
Total PCB 0.1 NQ
21-25752
MD21-09-9860 3.8 - 4.8 ft ALLH
Total PCB 0.071 NQ
21-604463
RE21-09-2648 0 - 0.5 ft ALLH
Total PCB 0.25 J
RE21-09-2649 0.5 - 1 ft ALLH
Total PCB 0.85 J
RE21-09-2650 1.5 - 2 ft QBT3
Total PCB 0.169 J
21-604480
RE21-09-2699 0 - 0.5 ft QBT3
Total PCB 0.43 NQ
RE21-09-2700 0.5 - 1 ft QBT3
Total PCB 0.064 NQ
RE21-09-2701 1.5 - 2 ft QBT3
Total PCB 0.018 NQ
21-605368
MD21-09-9869 0 - 0.5 ft ALLH
Total PCB 0.061 NQ
MD21-09-9870 0.5 - 1 ft ALLH
Total PCB 0.1 NQ
MD21-09-9871 1.5 - 2 ft ALLH
Total PCB 2.4 NQ
MD21-09-10518 3.0 - 3.5 ft QBT3
Total PCB 0.044 NQ
Risk-based cleanup area (former septic tank) addressed in the approved March 2009 application (EP2009-0168)
21-604464
RE21-09-2651 0 - 0.5 ft ALLH
Total PCB 0.049 NQ
RE21-09-2652 0.5 - 1 ft ALLH
Total PCB 0.023 J
21-605372
MD21-09-9882 0 - 0.5 ft ALLH
Total PCB 10.6 NQ
MD21-09-9883 0.5 - 1 ft ALLH
Total PCB 2.75 NQ
MD21-09-9884 1.5 - 2 ft ALLH
Total PCB 0.252 NQ
21-605378
MD21-09-9900 0 - 0.5 ft ALLH
Total PCB 0.17 NQ
MD21-09-9901 0.5 - 1 ft QBT3
Total PCB 0.019 J
MD21-09-9902 1.5 - 2 ft QBT3
Total PCB 0.072 NQ
MD21-09-9903 3 - 3.5 ft QBT3
Total PCB 0.018 J
21-604482
RE21-09-2705 0 - 0.5 ft QBT3
Total PCB 0.061 NQ
RE21-09-2706 0.5 - 1 ft QBT3
Total PCB 0.017 NQ
21-604483
RE21-09-2708 0 - 0.5 ft QBT3
Total PCB 0.25 NQ
RE21-09-2709 0.5 - 1 ft QBT3
Total PCB 0.16 NQ
RE21-09-2710 1.5 - 2 ft QBT3
Total PCB 0.079 NQ
21-604478
RE21-09-2693 3 - 3.5 ft QBT3
Total PCB 2.35 NQ
21-604477
RE21-09-2690 0 - 0.5 ft ALLH
Total PCB 22.6 NQ
RE21-09-2691 0.5 - 1 ft QBT3
Total PCB 1.61 NQ
RE21-09-2692 1.5 - 2 ft QBT3
Total PCB 0.29 NQ
21-605532
MD21-09-10519 0 - 0.5 ft ALLH
Total PCB 0.77 NQ
21-605367
MD21-09-9866 0 - 0.5 ft ALLH
Total PCB 1.5 NQ
MD21-09-9867 0.5 - 1 ft ALLH
Total PCB 0.35 NQ
MD21-09-9868 1.5 - 2 ft QBT3
Total PCB 0.19 NQ
21-605380
MD21-09-9907 0 - 0.5 ft ALLH
Total PCB 0.042 NQ
MD21-09-9909 1.5 - 2 ft ALLH
Total PCB 0.24 NQ
8 ft minimum
4 ft minimum
OUTFALL
21-605379
MD21-09-9904 0 - 0.5 ft QBT3
Total PCB 0.81 NQ
MD21-09-9905 0.5 - 1 ft QBT3
Total PCB 0.078 NQ
MD21-09-9906 1.5 - 2 ft QBT3
Total PCB 0.09 NQ
21-604484
RE21-09-2711 0 - 0.5 ft ALLH
Total PCB 0.15 NQ
RE21-09-2712 1.5 - 2 ft QBT3
Total PCB 0.044 NQ
21-604485
RE21-09-2713 0 - 0.5 ft ALLH
Total PCB 0.48 NQ
RE21-09-2714 1.5 - 2 ft QBT3
Total PCB 0.03 NQ
21-604489
RE21-09-2721 0 - 0.5 ft ALLH
Total PCB 0.038 NQ
21-604487
RE21-09-2717 6.5 - 7 ft QBT3
Total PCB 13 NQ
21-604491
RE21-09-2724 0 - 0.5 ft ALLH
Total PCB 2.26 NQ
RE21-09-2725 1.5 - 2 ft QBT3
Total PCB 1.97 NQ
RE21-09-2726 3 - 3.5 ft QBT3
Total PCB 1.45 NQ
21-604490
RE21-09-2723 3 - 3.5 ft QBT3
Total PCB 14 NQ
21-25724
21-25705
21-25704
21-25738
21-25711
21-25721
21-25717
21-25723
21-25757
21-25759
21-25758
21-25762
21-25761
21-25760
21-25764
21-25763
0.5 ft
1.5 ft
4.5 ft
2.5 ft
N
W
E
S
0 10 20 30 40 50 100
Feet
NMSPCS, CZ (3002), NAD 83, US Survey Feet
GIS: Dave Frank
Date: 26 May 2009
Revised: 30 June 2009, Revision 1.3
Map Number: df-052609-01
Note: All data are preliminary and have not been validated by LANL.
All units are mg/kg.
Sampling location
Historical sampling location 21-02470, total PCBs >= 1.0 ppm
Total PCBs >=1.0 ppm; 2006 sampling data presented on Plate 1 of the March 2009 notice (EP2009-0093)
Total PCBs < 1.0 ppm, 10 ft buffer around sampling location
Total PCBs >= 1.0 ppm, 10 ft buffer around sampling location
Estimated excavation area prior to preexcavation sampling
Excavation area based on preexcavation sampling results
Consolidated Unit 21-003-99
SWMU 21-024(c)
Structure
Asphalt pad
Security fence
Former piping
Paved road casing
Unpaved road casing
100 and 20 ft contour
10 and 2 ft contour
1632900
1633000
1633100
1633200
1633300
1633400
1633500
1774200
1774100
1774000
1773900
1773800
1773700