Tables

Flat Creek IMM Superfund Site

OU1 Final Remedial Investigation Report

September 15, 2011

Table 4-1
Site Access List
2011 RI Report
Flat Creek/IMM Superfund Site - OU1

Prop. ID	Address	Comment		Prop. ID	Address	Comment	
RY001	103 6th St W			RY053	618 4th Ave E		
RY002	604 Main Ave W			RY054	624 4th Ave E		
RY003	200 6th St W			RY055	635 4th Ave E		
RY004	204 6th St W			RY056	630 5th Ave		
RY005	504 Main			RY057	622 5th Ave E		
RY006	502 Main Ave			RY058	620 5th Ave E		
RY007	500 Main St			RY059	610 5th Ave E		
RY008	407 Riverside Ave W			RY060	623 5th Ave E		
RY009	403 Riverside Ave			RY061	627 5th Ave E		
RY010	406 2nd Ave	Same as 206 4th St		RY062	631 5th Ave E		
RY011	904 2nd Ave W			RY063	624 6th Ave E		
RY012	213 4th St W			RY064	618 6th Ave E		
RY013	400 Main W			RY065	612 6th Ave E		
RY014	311 Main			RY066	700 4th Ave E		
RY015	300 Main Ave	Cottages at Edna		RY067	800 4th Ave E, 3 lots	lots	
RY016	304 3rd Ave W			RY068	801 4th Ave E		
RY017	209 2nd St W			RY069	403 California Ave		
RY018	204 3rd Ave W			RY070	803 4th Ave E		
RY019	203 3rd Ave W	(Several Lots)		RY071	309 California Ave		
RY020	203 3rd Ave W	(Several Lots)		RY072	305 California Ave		
RY021	106 3rd W			RY073	901 4th Ave Eagle Apts	Eagle Apts	
RY022	205 Main			RY074	403 Montana Ave		
RY023	110 1st St	Old Fire Hall		RY075	303 Montana Ave		
RY024	and Riverside Ave W			RY076	406 Montana Ave		
RY025	101 Riverside Ave W		n	RY077	405 Illinois Ave		
RY026	203 Riverside E			RY078	402 Illinois Ave		
RY027	203 2nd Ave E			RY079	406 Illinois Ave		
RY028	204 Cedar St			RY080	1008 Riverside Dr		
RY029	201 3rd Ave E			RY081	303 Riverside Dr		
RY030	404 Pine St			RY082	317 Riverside Dr		n
RY031	302 Pine St			RY083	222 Osprey		
RY032	102 Pine St E			RY084	1312 5th Ave E		
RY033	310 2nd Ave E	3 Acre Park on river		RY085	406 Sherlaw		
RY034	310 2nd Ave E	3 Acre Park on river		RY086	409 Roosevelt		
RY035	213 Spruce St			RY087	1653 Diamond Rd		
RY036	402 Spruce St			RY088	122 Tami Dr E		
RY037	404 Spruce Str			RY089	1135 Mullan Rd W		
RY038	402 5th Ave E			RY090	730 Mullan Rd W		
RY039	402.5 5th Ave E			RY091	15 Cherry Blossom Ln		
RY040	302 Alder St			RY092	21 Cherry Blossom Ln		
RY041	404 Alder St			RY093	29 Cherry Blossom Ln		
RY042	209 Maple St			RY094	421 Mullan Rd W		
RY043	512 3rd Ave E			RY095	387 Mullan Rd W	house as 43 Mullan	
RY044	401 Maple St			RY096	394 Mullan Rd W		
RY045	407 Maple St			RY097	38 Mullan Rd W		n
RY046	304 Maple St			**RY098**	1 Mullan Rd W		n
RY047	306 Maple St			RY099	15 Mullan Rd E	+ adjacent Parking lot	n
RY048	310 Maple St			RY100	12 Mullan Rd E		n
RY049	603 4th Ave E			RY101	40 & 48 Mullan Rd E		
RY050	605 4th Ave E			RY102	60 Mullan Rd E		
RY051	615 4th Ave E			RY103	60 Mullan Rd E		
RY052	617 4th Ave E			RY104	110 1st St		

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Prop. ID	Address		Comment		Prop. ID	Address		Comment	
RY105			Lot # 6 Riverside E		RY159	620	6th Ave E		
RY106	104	River St N		n	RY160	1937	Flat Creek Rd		
RY107	102	River St N		n	RY161	412	3rd Ave W		
RY108	305	River St N			RY162	626	5th Ave E		
RY109	56	Flat Creek Rd			RY163	402	Illinois St		
RY110	397	Flat Creek			RY164	203	3rd Ave E		
RY111	301	2nd AveE		n	RY165	205	3rd Ave E		
RY112		2nd Ave E		n	RY167	308	Pine St		
RY113		Roosevelt		n	RY168	196	Mullan Rd W		n
RY114	300	River St		n	RY169	101	River St		n
RY115		Arizona St		n	RY170	601	Riverside Ave		
RY116	595	Diamond Match		n	RY172	641	4th Ave E		
RY117	306	California Ave		n	RY174	306	Montana Ave		
RY118	1208	6th Ave E		n	RY175	403	2nd Ave E		
RY119	200	Alder St			RY176	302	3rd Ave E		
RY120	204	Alder St			RY177	305	River St N		
RY121	206	Alder St			RY178	408	2nd Ave E		
RY122	10	Miller Lane			RY179	201	Riverside Dr E		
RY123	201	Pine St			RY181	205	Spruce St		
RY124	207	3rd St			RY182	207	Spruce St		
RY125	303	Spruce			RY183	209	Spruce St		
RY126	229	Country Lane			RY184	404	Illinois St		
RY127	406	3rd Ave W			RY185	406	Illinois St		
RY128	505	3rd Ave E			RY186	408	Illinois St		
RY129	628	4th Ave E			RY187	409	Illinois St		
RY130	201	Spruce St			RY188	310	Pine St		n
RY131	201.5	Spruce St			RY189	211	Spruce St		
RY132	42	Johnson Ave		n	RY190	110	1st		
RY135	1060	River Bend Rd			RY191	110.5	1st		
RY136	100	River St	Old School	n	RY192	113	Mullan Rd E		
RY137	1005	Apts (2 bldgs)	2 buildings		RY193	401B	2nd Ave W		
RY138	1103	Riverside Dr E			RY194	303	Pine St		
RY139	107	1st St			RY195	404	Illinois		
RY140	207	2nd Ave W	-201		RY196	and	5th St W		
RY141	105	Theater)	Strand Theater	n	RY197	10	Flat Creek Rd		
RY142	513	Court, 1,2, & 3			RY198	505	Main		
RY143	203.5	Spruce St			RY199	303	3rd Ave W		n
RY144	153	Mullan Rd W			RY200	51	Mullan Rd W		
RY145	109	River St N		n	RY201	101	6th St W		
RY146	109	Mullan Rd W		n	RY202	100	7th St W		
RY147	302	1st St W			RY203	201	3rd St W		
RY148	622	4th Ave E			RY204	405	Spruce		
RY149	300	Maple St			RY205	104	Pine St		
RY150	302	Maple St			RY206	403	Pine St		
RY151	732	Mullan Rd W			RY207	306	Pine St		
RY152	543	Mullan Rd W			RY208	405	Brooklyn		
RY153	1472	Mullan Rd W			RY209	200	2nd St W		
RY154	324	River St N			RY210	506	2nd Ave W		
RY155	638	5th Ave			RY211	609	4th Ave E		
RY156	326	Flat Creek Rd			RY212	45	Mullan Rd W		n
RY157	307	Maple St			**RY213**	262	Mullan Rd W		n
RY158	306	Alder St			RY214	207	5th St W		

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Prop. ID	Address		Comment		Prop. ID	Address		Comment	
RY215	402	Brooklyn			RY267	202	Spruce		
RY216	1001	4th Ave E			RY268	202.5	Spruce		
RY217		McKinley			RY269	500	3rd Ave		
RY218		McKinley			RY270	403	Maple St		
RY219		McKinley			RY271	402	Maple St		
RY220		McKinley			RY272	637	4th Ave E		
RY221	12	Mullan Rd W		n	RY273	618	6th Ave E		
RY222		Roosevelt			RY274	109	River St		n
RY223		Roosevelt			RY275	113	River St		
RY224		Roosevelt			RY276	102	Main St		
RY225		Roosevelt			RY277	102	1st St W		
RY226	402	Sherlaw			RY278	104	1st St W		
RY227	403	Illinois			RY279	211	Main St		
RY228	301	4th Ave E			RY280	209	4th St W		
RY229	103	5th St W			RY281	208	1st St W		
RY230	411	Spruce			RY282	502	2nd Ave W	501 Main - One big	
RY231	503	2nd Ave W			RY283	205	Pine		
RY232	501	Riverside W			RY284	209	1st St W		
RY233	507	Riverside W			RY285	105	1st St W	Riverside Ave (L	
RY234	206	3rd Ave W			RY286	211	1st St W		
RY235	406	Spruce			RY287	104	2nd Ave W		
RY236	211	3rd Ave W			RY288	205	1st St W		n
RY237	408	Illinois			**RY289**				n
RY238	104	3rd Ave E		n	RY290	207	River Rd		n
RY239	Lot 4	Flat Creek Rd			RY291	627	4th Ave E		
RY240	401	Spruce			RY292	366	Mullan Rd W		
RY241	and	Sherlaw			RY293	2704	Southside Rd		
RY242	616	5th Ave E			RY294	407	Alder St		
RY243	618	5th Ave E			RY295	500	2nd Ave		n
RY244	624	5th Ave E			RY296	425	Brockway		
RY245	628	5th Ave E			RY297	201	2nd Ave E		n
RY246	639	4th Ave E			RY298	406	Chicago Ave		
RY247	629	4th Ave E			RY299	448	Mullan Rd West		
RY248	304	4th Ave E			RY300	301	Mullan Rd West		
RY249	615	5th Ave E			RY301	402	Alder St		
RY250	617	5th Ave E			RY302	112	1st St W		
RY251	604	5th Ave E			RY303	636	5th Av E		
RY252		6th and Pike	Pine	n	RY304	205	Alder St		
RY253	606	5th Ave E			RY305	206	Pine St		
RY254	612	5th Ave E			RY306	208	Pine St		
RY255	614	5th Ave E			RY307	210	Pine St		
RY256	1105	Riverside E	(404 Riverside)		RY308	307	3rd Ave W		
RY257	10	Flat Creek Rd			RY309	309	3rd Ave W		
RY258	623	4th Ave E			RY310	405	Alder St		
RY259	207	1st Ave			RY311	405B	Alder St		
RY260	301	3rd Ave E			RY312	403	4th Ave E		
RY261	509	Main Ave W			RY313	510	3rd Ave E		
RY262	206	Spruce			RY314	201	3rd St W		
RY263	202	Spruce			RY315	200	River St		n
RY264	405.5	Alder St			RY316	311	Maple St		
RY265	405	3rd Ave E			RY317		Brooklyn Ave	Well House	n
RY266	402	3rd Ave E			RY318		Clark Fork Dr	Lift Station - East	n

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Prop. ID	Address		Comment		Prop. ID	Address		Comment	
RY319		5th Ave E	Eva Horning Park	n	RY371	602	Main		
RY320			Middle Well House	n	RY372	204	Evergreen Lane		
RY321			West Well House	n	RY373	73	Juneberry Lane		
RY322		2nd Ave W	Frank James Park	n	RY374	207	Main St		
RY323		Riverside Ave W	Timberman Park	n	RY375	135	Country Lane		
RY324		Riverside Ave W	Lift Station	n	RY376	1486	Mullan Rd W		
RY325		Mullan Rd W	Shop	n	RY377	607	4th Ave E		
RY326		Mullan Rd W	North	n	RY378	140	Clark Fork Dr.		
RY327		Riverside Ave E	Middle	n	RY379	303	4th Ave E		
RY328	202	Cedar St			RY380	309	Montana		
RY329	406	5th Ave E			RY381	23	Peters Flats Road		
RY330	401	2nd Ave W			RY382	20	Peters Flats Road		
RY331	505	Riverside Ave W			RY383	302	4th Ave E		n
RY332	301	Mullan Rd W		n	RY384	407	Illinois Ave		
RY333	406.5	Spruce			RY385	110	Flat Creek Rd	S. Property w/trailer?	
RY334	96	Clark Fork Dr.			RY386		Mullan Rd W	west of 308 Mullan Rd	
RY335	208	Cedar St			RY387	108	1st St		
RY336	103	Riverside W			RY388	621	5th Ave E		
RY337	403	Main St			RY389	110	Flat Creek Rd	N. Property	
RY338	405	Main St			RY390	406	Pine Street		
RY339	104	3rd Ave W			RY391	401	Main Ave		
RY340	104.5	3rd Ave W			RY392	310	3rd Street		n
RY341				n	RY393	208	W Main		n
RY342	626	6th Ave	Kingdom Hall		RY394	209	W. Riverside Ave		n
RY343	109	Mullan Rd W		n	RY395	506	Main Ave		
RY344	324	River St N			RY396	25	Shaw Gulch		
RY345	620	4th Ave N			RY397	502	Pike Ave		n
RY346	402	4th Ave E			RY398	33	Mullan Road W		n
RY347	644	4th Ave E			RY399	102	5th Street W		
RY348	2364	Diamond Match			RY400	404	Arizona Ave		
RY349	300	Clark Fork Dr.			RY401	616	6th Ave E		
RY350	5	East River Ridge Dr			RY402	110	Mullan Rd W		n
RY351	1388	Mullan Rd W	(140 Mullan Rd W)		RY403	106	Mullan Rd W		n
RY352	310	Alder St			RY404	404	Brooklyn Ave		
RY353	200	Clark Fork Dr.			RY405	209	River Rd		n
RY354	409	Spruce			RY406	102	3rd Ave W		n
RY355	206	3rd Ave W			RY407	213	Mullen Rd W		n
RY356	206	3rd Ave W			RY408	117	Osprey Ave		
RY357	2727	Diamond Match			RY409	307	Montana Ave		
RY358	2755	Diamond Match			RY410	114	Mullan Rd E		n
RY359	1871	River Bend Rd			RY411	300	River St N		n
RY360	305	River St N	West of 305 River St N		RY412	304	Spruce		n
RY361	305	River St N	North of 305 River St N		RY413	400	Alder St		
RY362	405	Pine St			RY414		5th Ave E		n
RY363	106	1st St W			RY415		Brooklyn Ave		n
RY364	633	5th Ave E	(565 5th Ave East)		RY416		Brooklyn Ave		n
RY365	635	5th Ave E	(570 5th Ave East)	n	RY417		Brooklyn Ave		n
RY366	79	Mullan Rd W	Hilltop Hotel	n	RY418	99	Iron Heights Rd		n
RY367	207	Pine			RY419	706	Main Street		n
RY368	613	5th Ave E			RY420	706	Main Street	B	n
RY369	203	Mullan Rd W		n	RY421	706	Main Street	C	n
RY370	507	Cedar Creek Rd			RY422	601	E 4th Ave		

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Prop. ID	Address		Comment		Prop. ID	Address		Comment	
RY423	612	4th Ave E			RY475	Lot 38		Riverridge Subdivision	
RY424	611	4th Ave E			RY476	Lot 37		Riverridge Subdivision	
RY425	614	4th Ave E			RY477	Lot 36		Riverridge Subdivision	
RY426	204	4th Ave E		n	RY478	Lot 35		Riverridge Subdivision	
RY427	636	4th Ave E			RY479	Lot 34		Riverridge Subdivision	
RY428	1997	Mullan Rd. W			RY480	103	4th Ave E		n
RY429	2484	Mullan Rd. W			RY481	390	Dairy Lane		
RY430	1861	Diamond Rd			RY482	east	Dairy Lane		
RY431	580	Riverbend Rd			RY483	104	Cedar		
RY432	1825	Diamond Match Rd			RY484	29	Iron Mountain Heights		n
RY433	425	Diamond Match Rd		n	RY485	197	Iron Mountain Heights		
RY434		18			RY486	911	Iron Mountain Heights		
RY435	7	Horning Drive			RY487	123	Rachel Rd		
RY436	9	Horning Drive			RY488	671	Tami Dr		
RY437	1148	Choo Choo Lane	Old House # is 5		RY489	80	Pattee Rd		
RY438	866	Tami Dr E			RY490	40	Tiffany Ct		
RY439	866	Tami Dr E			RY491	53	Tiffany Ct		
RY440	600	Tami Dr E			RY492	301	3rd St W		
RY441	600	Tami Dr E			RY493	304	Riverside Dr		
RY442	865	Tami Dr E			RY494		Riverside Dr		
RY443	900	Tami Dr E			RY495	109	Osprey Dr		
RY444	519	Tami Dr E			RY496	25	Peters Flats Road		
RY445	435	Tami Dr E			RY497	19	Peters Flats Road		
RY446	331	Tami Dr E			RY498	269	Iron Mountain Heights		
RY447	277	Tami Dr E			RY499	177	Peters Flats Road		
RY448	155	Tami Dr E			RY500	217	Tami Dr W		
RY449	9	Richochet Dr			RY501	340	Terrance Ct		
RY450	Lot 19		Riverridge Subdivision		RY502		Terrance Ct	(26 Terrance Ct)	
RY451	lot 5		Riverridge Subdivision		RY503	173	Terrance Ct		
RY452	Lot 20		Riverridge Subdivision		RY504	162	Terrance Ct		
RY453	Lot 21		Riverridge Subdivision		RY505		3rd Ave E		
RY454	Lot 22		Riverridge Subdivision		RY506	265	Mullan Rd W		
RY455	Lot 23		Riverridge Subdivision		RY507	303	Alder		
RY456	Lot 24		Riverridge Subdivision		RY508	300	2nd Ave E		
RY457	Lot 25		Riverridge Subdivision		RY509	304	California Ave		
RY458	Lot 26		Riverridge Subdivision		RY510		3rd Ave E		
RY459	Lot 27		Riverridge Subdivision		RY511	203	3rd Ave E		
RY460	Lot 30		Riverridge Subdivision		RY512	222	Mullan Rd W		
RY461	Lot 41		Riverridge Subdivision		RY513	704	Main Ave		
RY462	Lot 40		Riverridge Subdivision		RY514	42	Flat Creek Rd		
RY463	Lot 39		Riverridge Subdivision		RY515	117	Moats Lane		
RY464	Lot 44		Riverridge Subdivision		RY516	604	4th Ave		
RY465	Lot 45		Riverridge Subdivision		RY517	608	4th Ave E		
RY466	Lot 43		Riverridge Subdivision		RY518	608	4th Ave E	west of Map # 517	
RY467	1B		Riverridge Subdivision		RY519	309	Main St		n
RY468	Lot 42		Riverridge Subdivision		RY520	103	2nd Ave W		
RY469	Lot 31		Riverridge Subdivision		RY521	305	River Rd		n
RY470	Lot 19		Greens at Cedar Creek		RY522	302	River Rd		n
RY471	Lot 4A		Greens at Cedar Creek		RY523	305	Spruce St		
RY472	Lot 3		Riverridge Subdivision		RY524	247	Ponderosa		
RY473	Lot 33		Riverridge Subdivision		RY525	313	3rd Ave W A & B		
RY474	Lot 32		Riverridge Subdivision		RY526	16	Moats Lane		n

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Prop. ID	Address		Comment		Prop. ID	Address		Comment	
RY527	201	River St		n	RY581		Tami Dr E	Subdivision II Lot 1	
RY528	102	Sunflower Lane			RY582		Tami Dr E	Subdivision II Lot 2	
RY529	32	Mullan Rd W			RY583		Tami Dr E	Subdivision I Lot 9	
RY530	239	Terrance Ct			RY584		Tami Dr E	Subdivision I Lot 8	
RY531	290	Terrance Ct			RY585	774	Riverbend Rd		
RY532	265	Terrance Ct			RY586	259	Moats Ln		
RY533	244	Terrance Ct			RY587		Brooklyn Ave	7	
RY534	325	Tami Dr W			RY588	223	Yellow Pine Dr		
RY535	326	Tami Dr W			RY589	86	Johnson Ln		
RY536	193	Peters Flats Road			RY590	146	Thompson Cr Rd		
RY537	288	W Tami Rd			RY591	1442	Cedar Cr Rd		
RY538		3rd Ave E			RY592	2836	Southside Rd		
RY539	10	Horning Drive			RY593	41	Osprey Loop		
RY540	163	Diamond Rd			RY594	155	Terrace Ct		
RY541	170	Sundown Drive			RY595	154	Southside Rd		
RY542	202	6th St West			RY596	713	Johnson Ln		
RY543	761	Riverbend Rd			RY597	406	W Main	Armour, William	
RY544	1466	Southside Rd			RY598	358	Moats Ln	cadastral)	n
RY545	1424	Mullan Rd W			RY599	131	Thompson Cr Rd	(12 Thompson Cr Rd)	
RY546	45	Terrance Ct			RY600	202	1st St		
RY547	55	Osprey Loop			RY601	471	Stageline Dr	(71 Stageline Dr)	
RY548	310	Spruce St			RY602	1462	Cedar Cr Rd	(87 Cedar Cr Rd)	
RY549	7	East River Ridge Dr			RY603	483	Terrace Ct	(30 Terrace Ct)	
RY550		old Mullan Rd W	4 acre lot		RY604	309	Terrace Ct	(24 Terrace Ct)	
RY551		Kuhl Ranch	3 miles east of town		RY605	323	Johnson Ln		
RY552		4th Ave E			RY606	510	Johnson Ln	(78 Johnson Ln)	
RY553	1100	4th Ave E			RY607	609	Johnson Ln	(85 Johnson Ln)	
RY554	1102	4th Ave E			RY608	195	Cedar Cr Rd	(115 Cedar Cr Rd)	
RY555	1104	4th Ave E			RY609	82	Stageline Dr	(11 Stageline Dr)	
RY556	1106	4th Ave E			RY610	361	Stageline Dr	(51 Stageline Dr)	
RY557	1799	Diamond Match Rd			RY611	117	Johnson Ln	(11 Johnson Ln)	
RY558	Lot 3a	Greens at Cedar Creek			RY612	80	Johnson Ln	(80 Stageline Dr)	
RY559	318	Clark Fork Dr.			RY613	236	Chamber Ln	(20 Evergreen Ln)	
RY560	Lot 16	Greens at Cedar Creek			RY614	240	Chamber Ln	(22 Evergreen Ln)	
RY561	79	Pattee Drive	(1 Pattee Dr.)		RY615	38	Verley Dr	(16 Verley Dr)	
RY562	708	Johnson Ln			RY616	100	6th St		
RY565	63	Bucko Ln			RY617	2589	Thompson Cr Rd	Rd)	
RY566	449	Diamond Rd			RY618	51	Don's Park	(00000 Country Ln)	
RY567	210	West 3rd St			RY619	229	June Berry Ln	(25 June Berry Ln)	
RY568	385	Terrace Court			RY620	117	Johnson Ln	and Southside Rd	
RY569	61	Saddle Club Rd	addition		RY621	1318	Riverbend Rd	(132 Riverbend Rd)	
RY570	1739	Diamond Rd			RY622	38	Country Ln		
RY571	304	Montana Ave	Larry Witham)		RY623	404	2nd Ave E	(312 2nd Ave)	
RY572	89	Mountain Morning Dr			RY624	1087	Johnson Ln		
RY573	312	Country Ln			RY625	307	Alder Ave		
RY574	633	4th Ave			RY626	219	Moats Ln	Rental Trailer	
RY575	45	Castles Ct			RY627	105	2nd Ave W		n
RY576	46	Castles Ct			RY628			Lot 3	
RY577	47	Devon Dr	Subdivision I Lot 13		RY629	88	Cedar Creek Rd	cadastral	
RY578	43	Devon Dr	Subdivision I Lot 11		RY630	1277	Cedar Creek Rd	cadastral	
RY579	NHN	Devon Dr	Subdivision I Lot 12		RY631	1397	Cedar Creek Rd	cadastral	
RY580	400	Tami Dr E			RY632	1443	Cedar Creek Rd	cadastral	

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Prop. ID	Address		Comment		Prop. ID	Address		Comment	
RY633	6	Peters Flats Rd	Eggers, Carol						
RY634	70	Yellowpine Dr	(39 Thompson Cr Rd)						
RY635	241	Moats Ln	Rental Trailer						
RY636	225	Mullan Rd E							
RY637	106	Cedar St							
RY638	105	Buck Ln							
RY639	131	Buck Ln							
RY640	63	Buck Ln							
RY641	107	2nd Ave W		n					
RY642	200	2nd Ave E							
RY643	372	Mustang Dr							
RY644	1794	Riverbend Rd	(202 Riverbend Rd)						

n = non-residential

() = address prior to 911-readdressing

Table 4-2
List of Properties Sampled and Analysis Performed
2011 RI Report
Flat Creek/IMM Superfund Site - OU1

Prop. ID	Sampled (Year)	Sample location sent to CLP	Prop. ID	Sampled (Year)	Sample location sent to CLP	Prop. ID	Sampled (Year)	Sample location sent to CLP
RY001	2009	A, B, C, D	RY219	2009	None	RY432	2010	None
RY002	2009	B, D	RY220	2009	None	**RY433**	2010	B
RY003	2009	A, B, C	**RY221**	2009	D	RY434	None	None
RY004	2009	A, C, D	RY222	2009	None	RY435	2010	None
RY005	2009	A, B, C	RY223	2009	None	RY436	2010	None
RY006	2009	A, B, C, D	RY224	2009	D	RY437	2010	None
RY007	2009	A, B, C, D, F	RY225	2009	None	RY438	2010	None
RY008	2009	A, B, C, D	RY226	2009	None	RY439	2010	None
RY009	2009	A, B, C, D	RY227	2009	None	RY440	None	None
RY010	2009	A, B, C, D	RY228	2009	None	RY441	None	None
RY011	2009	A, B, C, D	RY229	2009	None	RY442	2010	None
RY012	2009	A, B, C	RY230	2009	None	RY443	2010	None
RY013	2009	A, B, D	RY231	2009	None	RY444	2010	None
RY014	2009	A, B, C, E	RY232	2009	None	RY445	2010	None
RY015	2009	H	RY233	2009	None	RY446	2010	None
RY016	2009	B, D	RY234	2009	D	RY447	2010	None
RY017	2009	B, C, D	RY235	2009	A	RY448	2010	None
RY018	2009	A, B, D	RY236	2009	None	RY449	2010	None
RY019	2009	A, B, C, D	RY237	None	None	RY450	2010	None
RY020	2009	B, C	RY238	2009	None	RY451	2010	None
RY021	2009	A, B, C, D, E	RY239	2009	None	RY452	2010	None
RY022	2009	A, B, C, D, E	RY240	2009	B, D	RY453	2010	None
RY023	2009	A, B, C, D	RY241	2009	None	RY454	2010	None
RY024	2009	D	RY242	2009	None	RY455	2010	None
RY025	2009	None	RY243	2009	None	RY456	2010	None
RY026	2009	A, B, C	RY244	2009	None	RY457	2010	None
RY027	2009	D	RY245	2009	None	RY458	2010	None
RY028	2009	None	RY246	2009	None	RY459	2010	None
RY029	2009	C, G	RY247	2009	None	RY460	2010	None
RY030	2009	B, D, E	RY248	2009	None	RY461	2010	None
RY031	2009	None	RY249	2009	None	RY462	2010	None
RY032	2009	None	RY250	2009	None	RY463	2010	None
RY033	2009	A	RY251	2009	D	RY464	2010	None
RY034	2009	None	RY252	2009	None	RY465	2010	None
RY035	2009	B, C	RY253	2009	A, B,C	RY466	2010	None
RY036	2009	C, D	RY254	2009	None	RY467	None	None
RY037	2009	None	RY255	2009	None	RY468	2010	None
RY038	2009	B	RY256	2009	None	RY469	2010	None
RY039	2009	None	RY257	2009	C	RY470	2010	None
RY040	2009	None	RY258	2009	None	RY471	2010	None

Table 4-2
List of Properties Sampled and Analysis Performed
2011 RI Report
Flat Creek/IMM Superfund Site - OU1

Prop. ID	Sampled (Year)	Sample location sent to CLP	Prop. ID	Sampled (Year)	Sample location sent to CLP	Prop. ID	Sampled (Year)	Sample location sent to CLP
RY041	2009	None	RY259	2009	None	RY472	2010	None
RY042	2009	None	RY260	2009	None	RY473	2010	None
RY043	2009	B, E	RY261	2009	None	RY474	2010	None
RY044	2009	None	RY262	2009	None	RY475	2010	None
RY045	2009	A, C, D	RY263	2009	None	RY476	2010	None
RY046	2009	D	RY264	None	None	RY477	2010	None
RY047	2009	None	RY265	2009	None	RY478	2010	None
RY048	2009	None	RY266	2009	None	RY479	2010	None
RY049	2009	None	RY267	2009	None	**RY480**	2010	G
RY050	2009	None	RY268	2009	None	RY481	None	None
RY051	2009	None	RY269	2009	None	RY482	None	None
RY052	2009	D	RY270	2009	None	RY483	2010	A, B, C, D
RY053	2009	C	RY271	2009	D	**RY484**	2010	D, E
RY054	2009	B	RY272	2009	None	RY485	2010	F
RY055	2009	None	RY273	None	None	RY486	2010	B
RY056	2009	None	RY274	2009	None	RY487	2010	A, B, C, D, E, F
RY057	2009	None	RY275	2009	None	RY488	2010	None
RY058	2009	C, D	RY276	None	None	RY489	2010	A, B, C, D, E, F, G, H I, J
RY059	2009	None	RY277	2009	D	RY490	2010	None
RY060	2009	C	RY278	2009	None	RY491	2010	None
RY061	2009	B, E, F	RY279	2009	None	RY492	None	None
RY062	2009	A, D	RY280	2009	None	RY493	2010	None
RY063	2009	None	RY281	2009	None	RY494	2010	None
RY064	2009	None	RY282	2009	None	RY495	2010	None
RY065	2009	None	RY283	2009	None	RY496	2010	None
RY066	2009	None	RY284	2009	A	RY497	2010	None
RY067	2009	None	RY285	2009	None	RY498	2010	E
RY068	2009	None	RY286	2009	None	RY499	2010	None
RY069	2009	None	RY287	2009	None	RY500	2010	None
RY070	2009	None	RY288	2009	None	RY501	2010	B, C, D, E
RY071	2009	None	**RY289**	2009	I, F, G	RY502	2010	A, B, C, D
RY072	2009	None	RY290	2009	None	RY503	2010	A, B, C, D, E, F
RY073	2009	None	RY291	2009	None	RY504	2010	A, B, C, D, E, F
RY074	2009	A	RY292	2009	None	RY505	2010	A, B, C
RY075	2009	None	RY293	2009	None	RY506	2010	A, C, D, E, F, G, H, I, J, K, L
RY076	2009	None	RY294	2009	None	RY507	2010	A, B, C, D, E
RY077	2009	None	RY295	2009	None	RY508	2010	None
RY078	2009	None	RY296	None	None	RY509	2010	None

Table 4-2
List of Properties Sampled and Analysis Performed
2011 RI Report
Flat Creek/IMM Superfund Site - OU1

Prop. ID	Sampled (Year)	Sample location sent to CLP	Prop. ID	Sampled (Year)	Sample location sent to CLP	Prop. ID	Sampled (Year)	Sample location sent to CLP
RY079	2009	None	RY297	2009	None	RY510	2010	None
RY080	2009	None	RY298	2009	None	RY511	2010	A, B, C, D
RY081	2009	None	RY299	2009	None	RY512	2010	B, C
RY082	2009	A	RY300	None	None	RY513	2010	None
RY083	2009	None	RY301	2009	None	RY514	2010	A, C
RY084	2009	C	RY302	2009	D	RY515	2010	None
RY085	2009	None	RY303	2009	D	RY516	2010	None
RY086	2009	A, C, D	RY304	2009	C	RY517	2010	None
RY087	2009	None	RY305	2009	None	RY518	2010	None
RY088	2009	E	RY306	2009	None	RY519	2010	None
RY089	2009	C, I	RY307	2009	None	RY520	2010	None
RY090	2009	None	RY308	2009	None	RY521	2010	None
RY091	2009	A, D, E, F	RY309	2009	None	**RY522**	2010	B
RY092	2009	C, D, E	RY310	2009	None	RY523	2010	A, B, C
RY093	2009	D	RY311	2009	None	RY524	2010	None
RY094	2009	B, F	RY312	2009	D	RY525	2010	None
RY095	2009	A, B, C, D	RY313	2009	None	RY526	2010	None
RY096	2009	None	RY314	None	None	RY527	2010	None
RY097	2009	B, C	RY315	2009	None	RY528	2010	None
RY098	2009	A, B, C	RY316	2009	None	RY529	2010	D
RY099	2009	A, B	**RY317**	2010	A	RY530	2010	None
RY100	2009	A, B, C	RY318	2010	None	RY531	2010	None
RY101	2009	A, B, C, D, E	**RY319**	2010	J	RY532	2010	None
RY102	2009	A, B, C, D	RY320	None	None	RY533	2010	None
RY103	2009	A, B	RY321	2010	None	RY534	2010	None
RY104	None	None	RY322	2010	None	RY535	2010	None
RY105	None	None	RY323	2010	None	RY536	2010	None
RY106	2009	A	RY324	2010	None	RY537	2010	None
RY107	2009	A	**RY325**	2010	F, G	RY538	2010	None
RY108	2009	B, E	RY326	2010	None	RY539	2010	F
RY109	2009	A	RY327	2010	None	RY540	2010	A, B, C, D, F, G, H
RY110	2009	None	RY328	2009	None	RY541	2010	None
RY111	2009	B	RY329	2009	None	RY542	2010	C
RY112	2009	A, C, E	RY330	2009	None	RY543	2010	None
RY113	2010	D	RY331	2009	None	RY544	2010	D
RY114	2009	None	**RY332**	2009	A, B, D	RY545	2010	None
RY115	2009	A, D, E	RY333	2009	None	RY546	2010	None
RY116	2009	None	RY334	2009	None	RY547	2010	None
RY117	2010	None	RY335	2009	None	RY548	2010	None

Table 4-2
List of Properties Sampled and Analysis Performed
2011 RI Report
Flat Creek/IMM Superfund Site - OU1

Prop. ID	Sampled (Year)	Sample location sent to CLP	Prop. ID	Sampled (Year)	Sample location sent to CLP	Prop. ID	Sampled (Year)	Sample location sent to CLP
RY118	2010	E, G, O, P	RY336	2009	None	RY549	None	None
RY119	2009	None	RY337	2009	None	RY550	None	None
RY120	2009	None	RY338	2009	C	RY551	None	None
RY121	2009	None	RY339	2009	None	RY552	2010	A
RY122	2009	None	RY340	2009	None	RY553	2010	A
RY123	2009	None	RY341	2009	None	RY554	2010	A
RY124	2009	None	RY342	2009	None	RY555	2010	A
RY125	2009	D	RY343	None	None	RY556	2010	A
RY126	2009	None	RY344	2009	None	RY557	2010	A, B, C, D, E
RY127	2009	None	RY345	2009	C	RY558	2010	A, B
RY128	2009	None	RY346	2009	None	RY559	2010	A, B, C, D
RY129	2009	None	RY347	2009	None	RY560	2010	A
RY130	2009	B	RY348	2009	None	RY561	2010	None
RY131	2009	None	RY349	2009	None	RY562	2010	None
RY132	2009	None	RY350	None	None	RY565	2010	A, B, C, D, E*
RY135	2009	None	RY351	2009	None	RY566	2010	None
RY136	2009	B, C	RY352	2009	C	RY567	2010	None
RY137	2009	None	RY353	2009	None	RY568	2010	None
RY138	2009	None	RY354	2009	A, B	RY569	2010	None
RY139	2009	C	RY355	2009	A	RY570	2010	None
RY140	2009	B, C	RY356	2009	A, B	RY571	2010	None
RY141	2009	None	RY357	2010	A	RY572	2010	None
RY142	2009	None	RY358	2010	A	RY573	2010	None
RY143	2009	None	RY359	None	None	RY574	2010	None
RY144	2009	B, D	RY360	2010	A, B	RY575	2010	None
RY145	None	None	RY361	2010	B, D, F	RY576	2010	None
RY146	2009	B	RY362	2009	None	RY577	2010	None
RY147	2009	None	RY363	2009	None	RY578	2010	None
RY148	2009	B, C	RY364	2009	None	RY579	2010	None
RY149	None	None	RY365	2009	None	RY580	2010	None
RY150	None	None	**RY366**	2010	A, B, C, D, E	RY581	2010	None
RY151	2009	None	RY367	2009	None	RY582	2010	A, B
RY152	None	None	RY368	2010	None	RY583	2010	A, B, C
RY153	None	None	**RY369**	2009	B, E	RY584	2010	A, B, C, D, E, F, G
RY154	2009	None	RY370	2010	A, B, C, D, E, F	RY585	2010	None
RY155	2009	None	RY371	2010	D	RY586	2010	None
RY156	2009	None	RY372	2010	None	RY587	2010	None
RY157	2009	A, B, C, D	RY373	2010	None	RY588	2010	None
RY158	2009	None	RY374	2010	A, B, C, D, E	RY589	2010	None

Table 4-2
List of Properties Sampled and Analysis Performed
2011 RI Report
Flat Creek/IMM Superfund Site - OU1

Prop. ID	Sampled (Year)	Sample location sent to CLP	Prop. ID	Sampled (Year)	Sample location sent to CLP	Prop. ID	Sampled (Year)	Sample location sent to CLP
RY159	2009	None	RY375	2010	None	RY590	2010	None
RY160	2009	A, B	RY376	2010	None	RY591	2010	None
RY161	2009	None	RY377	2010	B, C, D	RY592	2010	A, B, C, D, E, F
RY162	2009	None	RY378	2010	None	RY593	2010	None
RY163	None	None	RY379	2010	A, C	RY594	2010	A, B, C, D
RY164	None	None	RY380	2010	D	RY595	2010	None
RY165	None	None	RY381	2010	None	RY596	2010	None
RY167	2009	E	RY382	2010	None	RY597	2010	D
RY168	2009	None	**RY383**	2010	A	**RY598**	2010	B
RY169	2009	None	RY384	2010	E	RY599	2010	None
RY170	2009	None	RY385	2010	B	RY600	2010	A
RY172	2009	None	**RY386**	2010	A, B, C, D	RY601	2010	None
RY174	2009	None	RY387	2010	A, D, E	RY602	2010	None
RY175	2009	None	RY388	2010	None	RY603	2010	None
RY176	2009	E	RY389	None	None	RY604	2010	None
RY177	None	None	RY390	2010	None	RY605	2010	None
RY178	2009	None	RY391	2010	A, B, C	RY606	2010	None
RY179	2009	None	**RY392**	2010	A, B, C	RY607	2010	None
RY180	2009	A, B, C, D	**RY393**	2010	E	RY608	None	None
RY181	2009	None	RY394	2010	None	RY609	2010	None
RY182	2009	None	RY395	2010	D	RY610	2010	None
RY183	2009	None	RY396	2010	None	RY611	None	None
RY184	2009	None	RY397	2010	None	RY612	2010	None
RY185	None	None	**RY398**	2010	A, B	RY613	2010	None
RY186	2009	None	RY399	2010	None	RY614	2010	None
RY187	None	None	RY400	2010	None	RY615	2010	None
RY188	2009	None	RY401	2010	None	RY616	2010	A
RY189	2009	None	**RY402**	2010	A	RY617	2010	None
RY190	None	None	**RY403**	2010	A	RY618	2010	D
RY191	None	None	RY404	2010	None	RY619	2010	None
RY192	None	None	RY405	2010	None	RY620	2010	None
RY193	2009	C, D	RY406	2010	None	RY621	2010	None
RY194	2009	None	**RY407**	2010	A, C	RY622	2010	None
RY195	None	None	RY408	2010	None	RY623	2010	A
RY196	2009	None	RY409	2010	C	RY624	2010	None
RY197	2009	A, C	RY410	2010	None	RY625	2010	None
RY198	2009	D	RY411	2010	None	RY626	2010	None
RY199	2009	None	**RY412**	2010	C, D	**RY627**	2010	B, C, D, E
RY200	2009	None	RY413	2010	None	RY628	None	None

Table 4-2
List of Properties Sampled and Analysis Performed
2011 RI Report
Flat Creek/IMM Superfund Site - OU1

Prop. ID	Sampled (Year)	Sample location sent to CLP	Prop. ID	Sampled (Year)	Sample location sent to CLP	Prop. ID	Sampled (Year)	Sample location sent to CLP
RY201	2009	None	RY414	2010	None	RY629	2010	None
RY202	2009	None	RY415	2010	None	RY630	2010	None
RY203	2009	None	RY416	2010	None	RY631	2010	None
RY204	2009	None	RY417	2010	None	RY632	2010	None
RY205	2009	A	**RY418**	2010	A, B, D, E	RY633	2010	None
RY206	2009	None	RY419	2010	None	RY634	2010	None
RY207	2009	None	RY420	2010	None	RY635	2010	None
RY208	2009	None	RY421	2010	None	RY636	2010	None
RY209	2009	None	RY422	2010	C, D	RY637	2010	A
RY210	2009	None	RY423	2010	C	RY638	2010	None
RY211	2009	None	RY424	2010	None	RY639	2010	None
RY212	2009	None	RY425	2010	None	RY640	2010	None
RY213	2009	B, C	RY426	2010	None	RY641	None	None
RY214	2009	None	RY427	2010	None	RY642	2010	None
RY215	2009	None	RY428	None	None	RY643	2010	None
RY216	2009	None	RY429	None	None	RY644	2010	None
RY217	2009	None	RY430	2010	None			
RY218	2009	None	RY431	2010	None			

QA issue with XRF: sample sent to CLP results included in report

* QA issue with XRF. Samples sent to CLP after the RI report was drafted.

Refused access after access form was received

Duplicate address

Too far out or undisturbed

Bold font = Non-residential property with CLP results

Table 4-3
Locations of 2010 Alley Screening
2011 RI Report
Flat Creek/IMM Superfund Site - OU1

Property ID	Address	Number of Samples	Notes
AL001	Between 6th St W & 5th St W and Main & Riverside	6	
AL002	Between 5th St W & 4th St W and Main & Riverside	6	
AL003	Between 4th St W & 3rd St W and Main & Riverside	6	
AL004	Behind USDA Forest Service parking area between Riverside and 1st Ave W	0	USFS conducting removal.
AL005	Between 2nd St W & 1st St W and Main & Riverside	6	
AL006	Between 5th St W & 6th St W, south of Main Ave	4	
AL007	Between 4th St W & 5th St W and 2nd Ave W & Main Ave	4	
AL008	Between 3rd St W & 4th St W and 2nd Ave W & Main Ave	4	
AL009	Between 2nd Ave W & 3rd Ave W and 4th St W & 3rd St W	6	
AL009.5	Between 1st St W & 2nd St W and 3rd Ave W & 2nd Ave W	6	
AL010	Between 1st St W & 2nd St W and 3rd Ave W & 2nd Ave W	6	
AL011	Between 1st St W & River St N and 2nd Ave W & Riverside	6	
AL012	Between 2nd Ave W & 3rd Ave W and 1st St W & River St N	0	Asphalt under gravel.
AL014	Between Pine & Cedar Sts, Riverside Ave E & 2nd Ave E	6	
AL015	Between Pine St & Cedar St, 2nd & 3rd Ave E	6	
AL016	Between Pine St & Cedar St, 3rd & 4th Ave E	6	
AL017	Between Conoco & Blue Sky Motel on 4th Ave E	2	Mostly concrete, sampled gravel area only.
AL018	Between Spruce St & Pine St, 2nd & 3rd Ave E	0	Asphalt.
AL019	Between Spruce St & Pine St, 3rd & 4th Ave	6	
AL020	Between Spruce St & Pine St, 4th & 5th Ave E	6	
AL021	Between Alder St & Spruce St, 2nd & 3rd Ave E	6	
AL022	Between Alder St & Spruce, St 3rd & 4th Ave E	6	
AL023	Between Spruce St & Alder St, 4th & 5th Ave E	6	
AL024	Between Maple St & Alder St, 2nd & 3rd Ave E	6	
AL025	Between Maple St & Alder St, 3rd & 4th Ave E	6	
AL026	Between Maple St & Alder St, 4th & 5th Ave E	4	
AL027	Between Maple St & Pennsylvania Ave	6	
AL028	Between Pike St & Pennsylvania Ave	6	
AL029	Between Montana Ave & California Ave	4	
AL030	Between Illinois & Montana Ave	4	
AL031	Between Brooklyn Ave & Illinois Ave	6	
AL032	Between Chicago Ave & Brooklyn Ave	6	
AL033	Behind 4 Aces Bar, River St N	4	visible waste in hole near River St
		162	**Samples**
		33	**Alleys visited**
		30	**Alleys sampled**

Table 5-1
Summary of Residential Lead - Low Category
2011 Focused RI Report
Flat Creek/IMM Superfund Site - OU1

#	Sample Location	Interval (inches)		Conc. (mg/kg)	#	Sample Location	Depth Interval (inches)		Conc. (mg/kg)	#	Sample Location	Depth Interval (inches)		Conc. (mg/kg)
1	RY001-NSS-A	0	2	7.3	53	RY358-A	0	2	1.8	76	RY505-A	0	2	9.2
	RY001-NSS-B	0	2	152		RY358-A	2	6	2.6		RY505-A	2	6	13.8
	RY001-NSB-B	6	12	29		RY358-A	6	12	2.4		RY505-A	6	12	6
	RY001-NSS-C	0	2	8.4		RY358-B	0	2	1.9		RY505-B	0	2	4.3
	RY001-NSS-D	0	2	10.5		RY358-B	2	6	2.4		RY505-B	2	6	9.2
						RY358-B	6	12	2.2		RY505-B	6	12	4.9
2	RY002-NSS-B	0	2	12.8							RY505-C	0	2	6.5
	RY002-NSS-D	0	2	22.8	54	RY360-A	0	2	195		RY505-C	2	6	3.9
	RY002-NSB-D	2	6	27.3		RY360-B	0	2	85.3		RY505-C	6	12	7.7
						RY360-B	6	12	59.1					
3	RY003-NSS-A	0	2	23.9						77	RY507-A	0	2	2.8
	RY003-NSS-B	0	2	11.8	55	RY361-B	0	2	62.6		RY507-A	2	6	2.7
	RY003-NSS-C	0	2	19.8		RY361-B	2	6	93.5		RY507-A	6	12	2.2
	RY003-NSB-C	6	12	76.9		RY361-D	2	6	57		RY507-B	0	2	3.3
						RY361-D	6	12	99.7		RY507-B	2	6	30.6
4	RY004-NSS-A	0	2	11.3		RY361-F	0	2	140		RY507-B	6	12	3.6
	RY004-NSS-C	0	2	9		RY361-F	2	6	71.7		RY507-C	0	2	15.3
	RY004-NSS-D	0	2	10.3		RY361-F	6	12	127		RY507-C	2	6	28.2
											RY507-C	6	12	9.5
5	RY005-NSS-A	0	2	31.3	56	RY370-A	0	2	4		RY507-D	0	2	7.4
	RY005-NSS-B	0	2	38.2		RY370-A	2	6	3.1		RY507-D	2	6	12.5
	RY005-NSS-C	0	2	22.6		RY370-A	6	12	4.6		RY507-D	6	12	10.3
	RY005-NSB-C	2	6	120		RY370-B	0	2	5		RY507-E	0	2	21.4
						RY370-B	2	6	2.7		RY507-E	2	6	15.6
6	RY009-NSS-A	0	2	24.2		RY370-B	6	12	2.8		RY507-E	6	12	13.5
	RY009-NSS-B	0	2	28.8		RY370-C	0	2	6.1					
	RY009-NSS-C	0	2	26.2		RY370-C	2	6	6.3	78	RY511-A	0	2	55.8
	RY009-NSS-D	0	2	62.3		RY370-C	6	12	17.5		RY511-A	2	6	50.4
	RY009-NSB-D	2	6	61		RY370-D	0	2	3.4		RY511-A	6	12	32.3
						RY370-D	2	6	3.1		RY511-B	0	2	46.9
7	RY010-NSS-A	0	2	12.4		RY370-D	6	12	3.1		RY511-B	2	6	78.8
	RY010-NSS-B	0	2	25		RY370-E	0	2	23.1		RY511-B	6	12	74.3
	RY010-NSB-B	2	6	16.7		RY370-E	2	6	5.2		RY511-C	0	2	22.8
	RY010-NSS-C	0	2	12.7		RY370-E	6	12	4.4		RY511-C	2	6	13.1
	RY010-NSS-D	0	2	20.7		RY370-F	0	2	6.3		RY511-C	6	12	9
						RY370-F	2	6	9.8		RY511-D	0	2	18.3
8	RY011-NSS-B	0	2	25.7		RY370-F	6	12	7.2		RY511-D	2	6	66.3
	RY011-NSS-C	0	2	31.2							RY511-D	6	12	16.5
	RY011-NSS-D	0	2	131	57	RY371-D	2	6	9					
	RY011-NSB-D	2	6	97.9						79	RY512-B	2	6	56.9
	RY011-NSB-D	6	12	31.3	58	RY374-A	0	2	26.1		RY512-C	2	6	116
						RY374-A	2	6	21.3		RY512-C	6	12	108
9	RY012-NSB-A	6	12	140		RY374-A	6	12	19.8					
	RY012-NSS-A	0	2	74.4		RY374-B	0	2	26.9	80	RY514-A	0	2	179

Table 5-1
Summary of Residential Lead - Low Category
2011 Focused RI Report
Flat Creek/IMM Superfund Site - OU1

#	Sample Location	Interval (inches)		Conc. (mg/kg)	#	Sample Location	Depth Interval (inches)		Conc. (mg/kg)	#	Sample Location	Depth Interval (inches)		Conc. (mg/kg)
	RY012-NSS-B	0	2	35.7		RY374-B	2	6	20.8		RY514-C	0	2	107
	RY012-NSS-C	0	2	13.6		RY374-B	6	12	21.6		RY514-C	6	12	112
						RY374-C	0	2	45.4					
10	RY013-NSS-A	0	2	10.8		RY374-C	2	6	31.1	81	RY529-D	0	2	85.4
	RY013-NSS-B	0	2	19.7		RY374-C	6	12	30.6		RY529-D	2	6	89.1
	RY013-NSS-D	0	2	21.4		RY374-D	0	2	162		RY529-D	6	12	90.9
	RY013-NSB-D	6	12	12.9		RY374-D	2	6	110					
						RY374-D	6	12	160	82	RY539-F	0	2	34.8
11	RY014-NSS-A	0	2	18.7		RY374-E	0	2	19.7					
	RY014-DSS-B	0	2	14.6		RY374-E	2	6	22.3	83	RY540-A	0	2	23.3
	RY014-NSS-C	0	2	18.3		RY374-E	6	12	17.3		RY540-A	2	6	9.5
	RY014-NSS-E	0	2	30.1							RY540-A	6	12	7.5
					59	RY377-B	6	12	25.4		RY540-B	0	2	45.8
12	RY015-NSS-A	0	2	34.5		RY377-C	2	6	46.3		RY540-B	2	6	22.6
	RY015-NSB-B	6	12	71.1		RY377-D	0	2	153		RY540-B	6	12	21
	RY015-NSS-C	0	2	62.4		RY377-D	2	6	201		RY540-C	0	2	8.4
	RY015-NSS-D	0	2	6.7		RY377-D	6	12	251		RY540-C	2	6	8.7
	RY015-NSS-E	0	2	14							RY540-C	6	12	8.3
	RY015-NSS-G	0	2	33.5	60	RY379-A	2	6	61.6		RY540-D	0	2	10.2
	RY015-NSS-H	0	2	35.2		RY379-C	2	6	153		RY540-D	2	6	8.1
											RY540-D	6	12	9.5
13	RY016-NSS-B	0	2	16.3	61	RY380-D	6	12	117		RY540-F	0	2	5.5
	RY016-NSS-D	0	2	22.7							RY540-F	2	6	5.1
					62	RY384-E	0	2	88.3		RY540-F	6	12	5
14	RY017-NSS-B	0	2	43.1							RY540-G	0	2	11.1
	RY017-NSS-C	0	2	38.2	63	RY385-B	6	12	71.4		RY540-G	2	6	13.4
	RY017-NSS-D	0	2	14.3							RY540-G	6	12	12.2
					64	RY391-A	0	2	8.8		RY540-H	0	2	8.6
15	RY018-NSS-A	0	2	132		RY391-A	2	6	7.6		RY540-H	2	6	7.5
	RY018-NSB-A	2	6	117		RY391-A	6	12	6.7		RY540-H	6	12	7.4
	RY018-NSB-A	6	12	82.5		RY391-B	0	2	12.2					
	RY018-NSS-B	0	2	57.5		RY391-B	2	6	11.5	84	RY542-C	2	6	13.3
	RY018-NSS-D	0	2	42.5		RY391-B	6	12	14					
						RY391-C	0	2	9.6	85	RY544-D	0	2	159
16	RY019-NSS-A	0	2	28		RY391-C	2	6	6.5		RY544-D	6	12	62.8
	RY019-NSS-B	0	2	22.7		RY391-C	6	12	7.2					
	RY019-NSS-C	0	2	28.3						86	RY552-A	0	2	9.3
	RY019-NSS-D	0	2	86.5	65	RY395-D	0	2	292		RY552-A	2	6	7.2
	RY019-NSB-D	2	6	156							RY552-A	6	12	6.2
	RY019-NSB-D	6	12	67.8	66	RY409-C	2	6	60.8					
						RY409-C	6	12	102	87	RY553-A	0	2	8.2
17	RY020-NSS-B	0	2	32.6							RY553-A	2	6	5.9
	RY020-NSS-C	0	2	24.9	67	RY423-C	0	2	139		RY553-A	6	12	6.7

Table 5-1
Summary of Residential Lead - Low Category
2011 Focused RI Report
Flat Creek/IMM Superfund Site - OU1

#	Sample Location	Interval (inches)		Conc. (mg/kg)	#	Sample Location	Depth Interval (inches)		Conc. (mg/kg)	#	Sample Location	Depth Interval (inches)		Conc. (mg/kg)
18	RY022-NSS-A	0	2	51.6	68	RY486-B	0	2	277	88	RY554-A	0	2	5.1
	RY022-NSS-B	0	2	145		RY486-B	6	12	95.5		RY554-A	2	6	5.4
	RY022-NSB-B	2	6	173							RY554-A	6	12	4.8
	RY022-NSB-B	6	12	131	69	RY487-A	0	2	4.1					
	RY022-NSS-C	0	2	29.6		RY487-A	2	6	5.4	89	RY555-A	0	2	5.3
	RY022-NSS-D	0	2	38.9		RY487-A	6	12	3.6		RY555-A	2	6	5
	RY022-NSS-E	0	2	45.3		RY487-B	0	2	2.1		RY555-A	6	12	5.1
						RY487-B	2	6	2.4					
19	RY024-NSB-D	6	12	60.8		RY487-B	6	12	6.1	90	RY556-A	0	2	5.3
						RY487-C	0	2	10.2		RY556-A	2	6	4.9
20	RY027-NSB-D	2	6	221		RY487-C	2	6	10.3		RY556-A	6	12	6.6
						RY487-C	6	12	9.4					
21	RY029-NSB-G	2	6	16.7		RY487-D	0	2	3.8	91	RY557-A	0	2	7.1
	RY029-NSS-C	0	2	35.1		RY487-D	2	6	4.7		RY557-A	2	6	6.8
						RY487-D	6	12	5.5		RY557-A	6	12	8.5
22	RY030-NSB-B	6	12	11.5		RY487-E	0	2	5.1		RY557-B	0	2	9
						RY487-E	2	6	6.4		RY557-B	2	6	7.6
23	RY033-NSB-A	2	6	48.1		RY487-E	6	12	6.3		RY557-B	6	12	7.2
						RY487-F	0	2	6.2		RY557-C	0	2	8.9
24	RY035-NSB-B	2	6	97.1		RY487-F	2	6	6.3		RY557-C	2	6	5.7
	RY035-NSB-B	6	12	159		RY487-F	6	12	5.9		RY557-C	6	12	5.1
	RY035-NSB-C	6	12	73.2							RY557-D	0	2	8.2
	RY035-NSS-C	0	2	84.5	70	RY489-A	0	2	6.9		RY557-D	2	6	16.5
						RY489-A	2	6	6.5		RY557-D	6	12	11.3
25	RY038-NSB-B	6	12	29.5		RY489-A	6	12	6.4		RY557-E	0	2	33.6
						RY489-B	0	2	7.8		RY557-E	2	6	7.9
26	RY046-NSB-D	2	6	219		RY489-B	2	6	6.3		RY557-E	6	12	11.4
	RY046-NSB-D	6	12	169		RY489-B	6	12	6.4					
	RY046-NSS-D	0	2	174		RY489-C	0	2	7.5	92	RY558-A	0	2	3.8
						RY489-C	2	6	7.8		RY558-A	2	6	4
27	RY052-NSS-D	0	2	91.4		RY489-C	6	12	7.1		RY558-A	6	12	4.1
						RY489-D	0	2	4.3		RY558-B	0	2	2.6
28	RY054-NSB-B	6	12	38.7		RY489-D	2	6	7		RY558-B	2	6	2.8
						RY489-D	6	12	5.6		RY558-B	6	12	3
29	RY058-NSS-C	0	2	46.4		RY489-E	0	2	6.7					
	RY058-NSS-D	0	2	177		RY489-E	2	6	6	93	RY559-A	0	2	8.8
						RY489-E	6	12	7		RY559-A	2	6	9.4
30	RY060-NSS-C	0	2	59.4		RY489-F	0	2	6.6		RY559-A	6	12	8.2
						RY489-F	2	6	3.9		RY559-B	0	2	8.8
31	RY062-NSS-A	0	2	32.8		RY489-F	6	12	2.9		RY559-B	2	6	11
	RY062-NSS-D	0	2	205		RY489-G	0	2	3.1		RY559-B	6	12	9.5
						RY489-G	2	6	3.5		RY559-C	0	2	9.5
32	RY074-NSB-A	6	12	64.2		RY489-G	6	12	2		RY559-C	2	6	11.2
						RY489-H	0	2	4.2		RY559-C	6	12	12.8

Table 5-1
Summary of Residential Lead - Low Category
2011 Focused RI Report
Flat Creek/IMM Superfund Site - OU1

#	Sample Location	Interval (inches)		Conc. (mg/kg)	#	Sample Location	Depth Interval (inches)		Conc. (mg/kg)	#	Sample Location	Depth Interval (inches)		Conc. (mg/kg)
33	RY088-NSB-E	2	6	53.2		RY489-H	2	6	2.7		RY559-D	0	2	4.5
						RY489-H	6	12	2.9		RY559-D	2	6	8.4
34	RY093-NSB-D	2	6	63		RY489-I	0	2	2.8		RY559-D	6	12	8.4
	RY093-NSB-D	6	12	129		RY489-I	2	6	6.4					
						RY489-I	6	12	2.6	94	RY560-A	0	2	19.7
35	RY101-NSB-A	2	6	25		RY489-J	0	2	4		RY560-A	2	6	16.2
						RY489-J	2	6	3		RY560-A	6	12	14.2
36	RY103-NSS-A	0	2	119		RY489-J	6	12	3.1					
	RY103-NSS-B	0	2	117						95	RY582-A	0	2	8.3
	RY103-NSB-B	2	6	123	71	RY498-E	0	2	167		RY582-A	2	6	8
						RY498-E	2	6	63.1		RY582-A	6	12	8.6
37	RY139-NSB-C	2	6	266							RY582-B	0	2	8.6
					72	RY501-A	0	2	4.6		RY582-B	2	6	8.1
38	RY157-NSS-A	0	2	17.9		RY501-A	2	6	4		RY582-B	6	12	8
	RY157-NSB-A	2	6	12.9		RY501-A	6	12	2.4					
	RY157-NSB-A	6	12	8.3		RY501-B	0	2	6.3	96	RY583-A	0	2	30.6
	RY157-NSS-B	0	2	12.5		RY501-B	2	6	15.2		RY583-A	2	6	41.8
	RY157-NSB-B	2	6	9.9		RY501-B	6	12	8.5		RY583-A	6	12	23.9
	RY157-NSB-B	6	12	10.6		RY501-C	0	2	5.8		RY583-B	0	2	6.3
	RY157-NSS-C	0	2	23.1		RY501-C	2	6	5.9		RY583-B	2	6	6.5
	RY157-NSB-C	2	6	10.2		RY501-C	6	12	5.9		RY583-B	6	12	6.2
	RY157-NSB-C	6	12	15.8		RY501-D	0	2	5.2		RY583-C	0	2	8.3
	RY157-NSS-D	0	2	16.8		RY501-D	2	6	6.7		RY583-C	2	6	7.9
	RY157-NSB-D	2	6	19.4		RY501-D	6	12	6		RY583-C	6	12	8.6
	RY157-NSB-D	6	12	15.6		RY501-E	0	2	7.6					
						RY501-E	2	6	10.3	97	RY584-A	0	2	8.3
39	RY167-NSB-A	2	6	228		RY501-E	6	12	3.7		RY584-A	2	6	6.1
											RY584-A	6	12	7.3
40	RY180-NSS-A	0	2	37.5	73	RY502-A	0	2	6.2		RY584-B	0	2	8.4
	RY180-NSS-B	0	2	21.6		RY502-A	2	6	3.7		RY584-B	2	6	8.2
	RY180-NSS-C	0	2	28.3		RY502-B	0	2	7.8		RY584-B	6	12	8.4
	RY180-NSS-D	0	2	48		RY502-B	2	6	7		RY584-C	0	2	9.6
	RY180-NSB-D	6	12	92.3		RY502-B	2	6	6.9		RY584-C	2	6	9.4
						RY502-B	6	12	5.4		RY584-C	6	12	9.5
41	RY197-NSB-A	2	6	238		RY502-C	0	2	8.4		RY584-D	0	2	3.3
	RY197-NSB-C	2	6	160		RY502-C	2	6	8.3		RY584-D	2	6	6.2
	RY197-NSS-C	0	2	198		RY502-C	6	12	6.1		RY584-D	6	12	4.9
						RY502-D	0	2	4.6		RY584-E	0	2	6.8
42	RY205-NSB-A	6	12	20.3		RY502-D	2	6	2.7		RY584-E	2	6	5.2
						RY502-D	6	12	2.7		RY584-E	6	12	5.1
43	RY224-NSB-D	2	6	120							RY584-F	0	2	6.8
	RY224-NSB-D	6	12	309	74	RY503-A	0	2	6		RY584-F	2	6	3.4
	RY224-NSS-D	0	2	261		RY503-A	2	6	6.6		RY584-F	6	12	3.4
						RY503-A	6	12	9.6		RY584-G	0	2	7.8

Table 5-1
Summary of Residential Lead - Low Category
2011 Focused RI Report
Flat Creek/IMM Superfund Site - OU1

#	Sample Location	Interval (inches)		Conc. (mg/kg)	#	Sample Location	Depth Interval (inches)		Conc. (mg/kg)	#	Sample Location	Depth Interval (inches)		Conc. (mg/kg)
44	RY234-NSB-D	2	6	30.8		RY503-B	0	2	5.2		RY584-G	2	6	6.8
	RY234-NSB-D	6	12	16.3		RY503-B	2	6	3.6		RY584-G	6	12	6.9
						RY503-B	6	12	4.9					
45	RY253-NSS-A	0	2	17.5		RY503-C	0	2	5.5	98	RY592-A	0	2	7
	RY253-NSB-A	2	6	15.8		RY503-C	2	6	4.6		RY592-A	2	6	5.6
	RY253-NSB-A	6	12	15.2		RY503-C	6	12	1.7		RY592-A	6	12	5.9
	RY253-NSS-B	0	2	10.1		RY503-D	0	2	1.7		RY592-B	0	2	7.7
	RY253-NSB-B	2	6	13.8		RY503-D	2	6	1.1		RY592-B	2	6	7
	RY253-NSS-C	0	2	6.7		RY503-D	6	12	2.6		RY592-B	6	12	4.7
	RY253-NSB-C	2	6	10.8		RY503-E	0	2	3.2		RY592-C	0	2	6.5
	RY253-NSB-C	6	12	10.7		RY503-E	2	6	3.4		RY592-C	2	6	6.8
						RY503-E	6	12	3.1		RY592-C	6	12	6.1
46	RY302-NSB-D	6	12	48.2		RY503-F	0	2	3.6		RY592-D	0	2	6.6
						RY503-F	2	6	3		RY592-D	2	6	10.4
47	RY312-NSB-D	2	6	225		RY503-F	6	12	10.7		RY592-D	6	12	8.1
											RY592-E	0	2	7.3
48	RY345-NSB-C	6	12	192	75	RY504-A	0	2	10.3		RY592-E	2	6	7.2
						RY504-A	2	6	6.8		RY592-E	6	12	6.4
49	RY354-NSS-A	0	2	40.5		RY504-A	6	12	6.5		RY592-F	0	2	7.2
	RY354-NSB-A	2	6	32.5		RY504-B	0	2	9.7		RY592-F	2	6	7
	RY354-NSB-A	6	12	21.9		RY504-B	2	6	7.5		RY592-F	6	12	6.2
	RY354-NSS-B	0	2	53.5		RY504-B	6	12	8.5					
	RY354-NSB-B	2	6	20.5		RY504-C	0	2	13.3	99	RY594-A	0	2	10.7
	RY354-NSB-B	6	12	15.4		RY504-C	2	6	7.9		RY594-A	2	6	10.3
						RY504-C	6	12	4.8		RY594-A	6	12	9.7
50	RY355-NSS-A	0	2	16.3		RY504-D	0	2	6.8		RY594-B	0	2	11.6
	RY355-NSB-A	2	6	10.1		RY504-D	2	6	15.2		RY594-B	2	6	10
	RY355-NSB-A	6	12	10.2		RY504-D	6	12	9.6		RY594-B	6	12	9.9
						RY504-E	0	2	5.3		RY594-C	0	2	9.4
51	RY356-NSS-A	0	2	31.1		RY504-E	2	6	13.5		RY594-C	2	6	7.9
	RY356-NSB-A	2	6	23.2		RY504-E	6	12	12.6		RY594-C	6	12	7.3
	RY356-NSS-B	0	2	80.7		RY504-F	0	2	4.8		RY594-D	0	2	6.1
	RY356-NSB-B	2	6	11.6		RY504-F	2	6	2.9		RY594-D	2	6	9.1
	RY356-NSB-B	6	12	173		RY504-F	6	12	3.0		RY594-D	6	12	7
52	RY357-A	0	2	5.3						100	RY618-D	6	12	53.9
	RY357-A	2	6	2.4										
	RY357-A	6	12	2						101	RY623-A	0	2	219
	RY357-B	0	2	2							RY623-A	2	6	126
	RY357-B	2	6	1.4										
	RY357-B	6	12	1.7						102	RY637-A	6	12	36.5
													Minimum	**1.1**
													Maximum	**33.5**
													Average	**309**

Table 5-2

Summary of Residential Arsenic Concentrations - Low Category

2011 RI Report

Flat Creek/IMM Superfund Site - OU1

Sample Index	Sample Location	Depth Interval (inches)		Concentration (ppm)	Sample Index	Sample Location	Depth Interval (inches)		Concentration (ppm)	Sample Index	Sample Location	Depth Interval (inches)		Concentration (ppm)
1	RY001-NSS-A	0	2	2.3	53	RY358-A	0	2	0.52	76	RY505-A	0	2	1.8
	RY001-NSS-B	0	2	2.9		RY358-A	2	6	1.1		RY505-A	2	6	2.5
	RY001-NSB-B	6	12	2.4		RY358-A	6	12	0.82		RY505-A	6	12	1.1
	RY001-NSS-C	0	2	2.6		RY358-B	0	2	0.66		RY505-B	0	2	0.45
	RY001-NSS-D	0	2	7.2		RY358-B	2	6	1.2		RY505-B	2	6	0.55
						RY358-B	6	12	0.85		RY505-B	6	12	0.98
2	RY002-NSS-B	0	2	2.5							RY505-C	0	2	1.3
	RY002-NSS-D	0	2	4.3	54	RY360-A	0	2	12.6		RY505-C	2	6	0.61
	RY002-NSB-D	2	6	3.1		RY360-B	0	2	13.4		RY505-C	6	12	1.5
						RY360-B	6	12	15.6					
3	RY003-NSS-A	0	2	4.3						77	RY507-A	0	2	0.75
	RY003-NSS-B	0	2	3	55	RY361-B	0	2	12.9		RY507-A	2	6	0.7
	RY003-NSS-C	0	2	4.7		RY361-B	2	6	12.7		RY507-A	6	12	0.78
	RY003-NSB-C	6	12	14		RY361-D	2	6	11.6		RY507-B	0	2	1.2
						RY361-D	6	12	10.9		RY507-B	2	6	23.1
4	RY004-NSS-A	0	2	2.4		RY361-F	0	2	21.4		RY507-B	6	12	1.5
	RY004-NSS-C	0	2	2.6		RY361-F	2	6	12.3		RY507-C	0	2	1.6
	RY004-NSS-D	0	2	2.4		RY361-F	6	12	15		RY507-C	2	6	1.2
											RY507-C	6	12	0.85
5	RY005-NSS-A	0	2	3.5	56	RY370-A	0	2	2.6		RY507-D	0	2	1.8
	RY005-NSS-B	0	2	2.7		RY370-A	2	6	2		RY507-D	2	6	3.6
	RY005-NSS-C	0	2	2.6		RY370-A	6	12	2.1		RY507-D	6	12	3.2
	RY005-NSB-C	2	6	5.4		RY370-B	0	2	2.2		RY507-E	0	2	5.9
						RY370-B	2	6	1.4		RY507-E	2	6	5.2
6	RY009-NSS-A	0	2	3.2		RY370-B	6	12	1.9		RY507-E	6	12	4.8
	RY009-NSS-B	0	2	3.9		RY370-C	0	2	2.6					
	RY009-NSS-C	0	2	3.2		RY370-C	2	6	3.5	78	RY511-A	0	2	3.4
	RY009-NSS-D	0	2	8.4		RY370-C	6	12	14.5		RY511-A	2	6	3
	RY009-NSB-D	2	6	6.4		RY370-D	0	2	2.7		RY511-A	6	12	2.8
						RY370-D	2	6	2.6		RY511-B	0	2	3.7
7	RY010-NSS-A	0	2	2.9		RY370-D	6	12	3.1		RY511-B	2	6	3.2
	RY010-NSS-B	0	2	5.1		RY370-E	0	2	4.6		RY511-B	6	12	3.4
	RY010-NSB-B	2	6	5		RY370-E	2	6	4.9		RY511-C	0	2	3.1
	RY010-NSS-C	0	2	6.9		RY370-E	6	12	3.5		RY511-C	2	6	3.2
	RY010-NSS-D	0	2	5.9		RY370-F	0	2	3.5		RY511-C	6	12	3.2
						RY370-F	2	6	5.2		RY511-D	0	2	5
8	RY011-NSS-B	0	2	3.5		RY370-F	6	12	3.8		RY511-D	2	6	6.7
	RY011-NSS-C	0	2	3							RY511-D	6	12	2.9
	RY011-NSB-D	2	6	5.6	57	RY371-D	2	6	2.2					
	RY011-NSB-D	6	12	4.1						79	RY512-B	2	6	11.8
					58	RY374-A	0	2	3.2		RY512-C	2	6	12.6
9	RY012-NSB-A	6	12	19.9		RY374-A	2	6	3.2		RY512-C	6	12	12
	RY012-NSS-A	0	2	9.8		RY374-A	6	12	2.8					
	RY012-NSS-B	0	2	9.2		RY374-B	0	2	2.6	80	RY514-A	0	2	11.9
	RY012-NSS-C	0	2	2.6		RY374-B	2	6	1.9		RY514-C	0	2	8.5
	RY011-NSS-D	0	2	7.1		RY374-B	6	12	1.9		RY514-C	6	12	12.3
						RY374-C	0	2	2.4					
10	RY013-NSS-A	0	2	2.8		RY374-C	2	6	2.8	81	RY529-D	0	2	7
	RY013-NSS-B	0	2	3		RY374-C	6	12	2.6		RY529-D	2	6	8.8
	RY013-NSS-D	0	2	4.5		RY374-D	0	2	18.6		RY529-D	6	12	7.4
	RY013-NSB-D	6	12	3.7		RY374-D	2	6	13					
						RY374-D	6	12	9.7	82	RY539-F	0	2	2.7
11	RY014-NSS-A	0	2	3.3		RY374-E	0	2	3.1					
	RY014-NSS-C	0	2	3		RY374-E	2	6	3.1	83	RY540-A	0	2	5.9
	RY014-NSS-E	0	2	11.6		RY374-E	6	12	2.3		RY540-A	2	6	4.2
											RY540-A	6	12	3.7

Table 5-2

Summary of Residential Arsenic Concentrations - Low Category

2011 RI Report

Flat Creek/IMM Superfund Site - OU1

Sample Index	Sample Location	Depth Interval (inches)		Concentration (ppm)	Sample Index	Sample Location	Depth Interval (inches)		Concentration (ppm)	Sample Index	Sample Location	Depth Interval (inches)		Concentration (ppm)
12	RY015-NSS-A	0	2	4	59	RY377-B	6	12	3.2		RY540-B	0	2	6.3
	RY015-NSB-B	6	12	66.7		RY377-C	2	6	6.8		RY540-B	2	6	7.4
	RY015-NSS-C	0	2	7.5		RY377-D	0	2	21.6		RY540-B	6	12	6.3
	RY015-NSS-D	0	2	1.9		RY377-D	2	6	37.2		RY540-C	0	2	2.9
	RY015-NSS-E	0	2	3.8		RY377-D	6	12	42.3		RY540-C	2	6	3.5
	RY015-NSS-G	0	2	4.3							RY540-C	6	12	3.4
	RY015-NSS-H	0	2	3.9	60	RY379-A	2	6	4.1		RY540-D	0	2	3.1
						RY379-C	2	6	16.7		RY540-D	2	6	3.5
13	RY016-NSS-B	0	2	3.2							RY540-D	6	12	3
	RY016-NSS-D	0	2	7.1	61	RY380-D	6	12	29.6		RY540-F	0	2	2.8
											RY540-F	2	6	3.4
14	RY017-NSS-B	0	2	3.5	62	RY384-E	0	2	7.6		RY540-F	6	12	2.9
	RY017-NSS-C	0	2	2.6							RY540-G	0	2	3.4
	RY017-NSS-D	0	2	1.9	63	RY385-B	6	12	8.1		RY540-G	2	6	3
											RY540-G	6	12	3.6
15	RY018-NSB-A	2	6	23.6	64	RY391-A	0	2	2.2		RY540-H	0	2	3.1
	RY018-NSB-A	6	12	21.7		RY391-A	2	6	1.7		RY540-H	2	6	3.2
	RY018-NSS-A	0	2	18.5		RY391-A	6	12	1.4		RY540-H	6	12	3.2
	RY018-NSS-B	0	2	3.5		RY391-B	0	2	1.2					
	RY018-NSS-D	0	2	3.4		RY391-B	2	6	0.9	84	RY542-C	2	6	3.4
						RY391-B	6	12	1.7					
16	RY019-NSS-A	0	2	3.2		RY391-C	0	2	1.8	85	RY544-D	0	2	8.3
	RY019-NSS-B	0	2	3.2		RY391-C	2	6	1.4		RY544-D	6	12	6
	RY019-NSS-C	0	2	5.5		RY391-C	6	12	1.6					
	RY019-NSS-D	0	2	3						86	RY552-A	0	2	3.3
	RY019-NSB-D	2	6	3.5	65	RY395-D	0	2	35.6		RY552-A	2	6	3.1
	RY019-NSB-D	6	12	3.2							RY552-A	6	12	3.1
					66	RY409-C	2	6	15.5					
17	RY020-NSS-B	0	2	3.3		RY409-C	6	12	19.9	87	RY553-A	0	2	3.3
	RY020-NSS-C	0	2	3.3							RY553-A	2	6	3
					67	RY423-C	0	2	4.1		RY553-A	6	12	3.1
18	RY022-NSS-A	0	2	5.2										
	RY022-NSS-B	0	2	5.3	68	RY486-B	0	2	5.2	88	RY554-A	0	2	2.4
	RY022-NSB-B	2	6	7.1		RY486-B	6	12	4.1		RY554-A	2	6	2.9
	RY022-NSB-B	6	12	6.7							RY554-A	6	12	2.6
	RY022-NSS-C	0	2	5.4	69	RY487-A	0	2	1.3					
	RY022-NSS-D	0	2	6.1		RY487-A	2	6	1.7	89	RY555-A	0	2	2.9
	RY022-NSS-E	0	2	4.1		RY487-A	6	12	1.6		RY555-A	2	6	2.3
						RY487-B	0	2	1.8		RY555-A	6	12	2.5
19	RY024-NSB-D	6	12	4.6		RY487-B	2	6	2.1					
						RY487-B	6	12	3.7	90	RY556-A	0	2	2.4
20	RY027-NSB-D	2	6	22.4		RY487-C	0	2	3.9		RY556-A	2	6	2.5
						RY487-C	2	6	3.5		RY556-A	6	12	2.3
21	RY029-NSB-G	2	6	3.1		RY487-C	6	12	3.6					
	RY029-NSS-C	0	2	4.7						91	RY557-A	0	2	2.6
					69	RY487-D	0	2	2.8		RY557-A	2	6	2.6
22	RY030-NSB-B	6	12	11.5		RY487-D	2	6	5.6		RY557-A	6	12	2.8
						RY487-D	6	12	6.1		RY557-B	0	2	2.8
23	RY033-NSB-A	2	6	8.5		RY487-E	0	2	2.9		RY557-B	2	6	2.7
						RY487-E	2	6	3		RY557-B	6	12	2.7
24	RY035-NSB-B	2	6	6.5		RY487-E	6	12	3		RY557-C	0	2	2.7
	RY035-NSB-B	6	12	13		RY487-F	0	2	4.4		RY557-C	2	6	2.4
	RY035-NSB-C	6	12	8.1		RY487-F	2	6	10.7		RY557-C	6	12	2.8
	RY035-NSS-C	0	2	3.3		RY487-F	6	12	11		RY557-D	0	2	2
											RY557-D	2	6	3.5
25	RY038-NSB-B	6	12	2.9	70	RY489-A	0	2	2.9		RY557-D	6	12	2.9

Table 5-2
Summary of Residential Arsenic Concentrations - Low Category
2011 RI Report
Flat Creek/IMM Superfund Site - OU1

Sample Index	Sample Location	Depth Interval (inches)		Concentration (ppm)	Sample Index	Sample Location	Depth Interval (inches)		Concentration (ppm)	Sample Index	Sample Location	Depth Interval (inches)		Concentration (ppm)
						RY489-A	2	6	2.5		RY557-E	0	2	3.5
26	RY046-NSB-D	2	6	52.7		RY489-A	6	12	2.8		RY557-E	2	6	2.8
	RY046-NSB-D	6	12	30.7		RY489-B	0	2	3.2		RY557-E	6	12	2.4
	RY046-NSS-D	0	2	32.4		RY489-B	2	6	2.4					
						RY489-B	6	12	2.6	92	RY558-A	0	2	2.9
27	RY052-NSS-D	0	2	10.9		RY489-C	0	2	2.7		RY558-A	2	6	3.2
						RY489-C	2	6	2.4		RY558-A	6	12	3.1
28	RY054-NSB-B	6	12	6.8		RY489-C	6	12	2.6		RY558-B	0	2	2.4
						RY489-D	0	2	3.5		RY558-B	2	6	2.7
29	RY058-NSS-C	0	2	2.9		RY489-D	2	6	6.8		RY558-B	6	12	2.4
	RY058-NSS-D	0	2	22.4		RY489-D	6	12	4.2					
						RY489-E	0	2	2.1	93	RY559-A	0	2	4.5
30	RY060-NSS-C	0	2	3.5		RY489-E	2	6	2.2		RY559-A	2	6	4.4
						RY489-E	6	12	2.1		RY559-A	6	12	4.4
31	RY062-NSS-A	0	2	3.3		RY489-F	0	2	3.1		RY559-B	0	2	4.3
	RY062-NSS-D	0	2	9.6		RY489-F	2	6	1.9		RY559-B	2	6	4.1
						RY489-F	6	12	1.5		RY559-B	6	12	4
32	RY074-NSB-A	6	12	10.8		RY489-G	0	2	1.5		RY559-C	0	2	5.3
						RY489-G	2	6	1.6		RY559-C	2	6	5.3
33	RY088-NSB-E	2	6	1.5		RY489-G	6	12	1.3		RY559-C	6	12	6.3
						RY489-H	0	2	2.1		RY559-D	0	2	3.6
34	RY093-NSB-D	2	6	9		RY489-H	2	6	1.5		RY559-D	2	6	4.6
	RY093-NSB-D	6	12	11.3		RY489-H	6	12	1.8		RY559-D	6	12	4.8
						RY489-I	0	2	2.7					
35	RY101-NSB-A	2	6	25		RY489-I	2	6	4.8	94	RY560-A	0	2	6.9
						RY489-I	6	12	2.1		RY560-A	2	6	6.5
36	RY103-NSB-B	2	6	13.8		RY489-J	0	2	6.1		RY560-A	6	12	8.4
	RY103-NSS-A	0	2	11		RY489-J	2	6	3					
	RY103-NSS-B	0	2	12.9		RY489-J	6	12	5.7	95	RY582-A	0	2	2.6
											RY582-A	2	6	2.5
37	RY139-NSB-C	2	6	31.5	71	RY498-E	0	2	9.1		RY582-A	6	12	2.8
						RY498-E	2	6	8.3		RY582-B	0	2	2.6
38	RY157-NSS-A	0	2	4.3							RY582-B	2	6	2.5
	RY157-NSB-A	2	6	3.6	72	RY501-A	0	2	1.9		RY582-B	6	12	2.5
	RY157-NSB-A	6	12	2.6		RY501-A	2	6	2.2					
	RY157-NSS-B	0	2	2.8		RY501-A	6	12	2.8	96	RY583-A	0	2	7.2
	RY157-NSB-B	2	6	2.8		RY501-B	0	2	1.6		RY583-A	2	6	10.1
	RY157-NSB-B	6	12	3.2		RY501-B	2	6	4.8		RY583-A	6	12	9
	RY157-NSS-C	0	2	4.5		RY501-B	6	12	4.6		RY583-B	0	2	2.3
	RY157-NSB-C	2	6	2.8		RY501-C	0	2	3.9		RY583-B	2	6	2.3
	RY157-NSB-C	6	12	4.1		RY501-C	2	6	3.5		RY583-B	6	12	2.2
	RY157-NSS-D	0	2	5		RY501-C	6	12	4		RY583-C	0	2	2.5
	RY157-NSB-D	2	6	4.7		RY501-D	0	2	17.5		RY583-C	2	6	2.7
	RY157-NSB-D	6	12	4.7		RY501-D	2	6	12.6		RY583-C	6	12	2.3
						RY501-D	6	12	3.5					
39	RY167-NSB-A	2	6	17.9		RY501-E	0	2	14.7	97	RY584-A	0	2	3.4
						RY501-E	2	6	5		RY584-A	2	6	2.1
40	RY180-NSS-A	0	2	12.9		RY501-E	6	12	1.6		RY584-A	6	12	2.3
	RY180-NSS-B	0	2	5.3							RY584-B	0	2	2.6
	RY180-NSS-C	0	2	2.7	73	RY502-A	0	2	3.3		RY584-B	2	6	2.7
	RY180-NSS-D	0	2	2.9		RY502-A	2	6	2.5		RY584-B	6	12	2.9
	RY180-NSB-D	6	12	6.3		RY502-B	0	2	2.8		RY584-C	0	2	2.3
						RY502-B	2	6	10.6		RY584-C	2	6	2.4
41	RY197-NSB-A	2	6	10.5		RY502-B	2	6	3.1		RY584-C	6	12	2.4
	RY197-NSB-C	2	6	12.8		RY502-B	6	12	2.3		RY584-D	0	2	3.9
	RY197-NSS-C	0	2	15.5		RY502-C	0	2	6.6		RY584-D	2	6	4.7

Table 5-2
Summary of Residential Arsenic Concentrations - Low Category
2011 RI Report
Flat Creek/IMM Superfund Site - OU1

Sample Index	Sample Location	Depth Interval (inches)		Concentration (ppm)	Sample Index	Sample Location	Depth Interval (inches)		Concentration (ppm)	Sample Index	Sample Location	Depth Interval (inches)		Concentration (ppm)
						RY502-C	2	6	3.8		RY584-D	6	12	4
42	RY205-NSB-A	6	12	4.5		RY502-C	6	12	2.7		RY584-E	0	2	2.2
						RY502-D	0	2	3.2		RY584-E	2	6	2.6
43	RY224-NSB-D	2	6	27.7		RY502-D	2	6	1		RY584-E	6	12	2.6
	RY224-NSB-D	6	12	44.7		RY502-D	6	12	0.9		RY584-F	0	2	2.2
	RY224-NSS-D	0	2	36.4							RY584-F	2	6	2
					74	RY503-A	0	2	0.68		RY584-F	6	12	2.3
44	RY234-NSB-D	2	6	30.8		RY503-A	2	6	0.88		RY584-G	0	2	2.5
	RY234-NSB-D	6	12	16.3		RY503-A	6	12	1.5		RY584-G	2	6	2.1
						RY503-B	0	2	1.8		RY584-G	6	12	2.3
45	RY253-NSS-A	0	2	3.9		RY503-B	2	6	0.61					
	RY253-NSB-A	2	6	3.9		RY503-B	6	12	0.93	98	RY592-A	0	2	3.4
	RY253-NSB-A	6	12	3.5		RY503-C	0	2	1.3		RY592-A	2	6	2.7
	RY253-NSS-B	0	2	3.2		RY503-C	2	6	2		RY592-A	6	12	2.9
	RY253-NSB-B	2	6	3.4		RY503-C	6	12	0.49		RY592-B	0	2	3
	RY253-NSS-C	0	2	10.2		RY503-D	0	2	6.1		RY592-B	2	6	2.8
	RY253-NSB-C	2	6	7.2		RY503-D	2	6	2.4		RY592-B	6	12	2.2
	RY253-NSB-C	6	12	10.9		RY503-D	6	12	5.7		RY592-C	0	2	2.8
						RY503-E	0	2	1.1		RY592-C	2	6	3.2
46	RY302-NSB-D	6	12	5.9		RY503-E	2	6	0.94		RY592-C	6	12	2.9
						RY503-E	6	12	1.1		RY592-D	0	2	1.3
47	RY312-NSB-D	2	6	27		RY503-F	0	2	1		RY592-D	2	6	2.3
						RY503-F	2	6	0.8		RY592-D	6	12	2
48	RY345-NSB-C	6	12	40.8		RY503-F	6	12	3.2		RY592-E	0	2	2.9
											RY592-E	2	6	3.2
49	RY354-NSS-A	0	2	3.2	75	RY504-A	0	2	4.4		RY592-E	6	12	2.9
	RY354-NSB-A	2	6	3.7		RY504-A	2	6	2.8		RY592-F	0	2	3.3
	RY354-NSB-A	6	12	2.6		RY504-A	6	12	5		RY592-F	2	6	3.3
	RY354-NSS-B	0	2	9.9		RY504-B	0	2	3.2		RY592-F	6	12	2.9
	RY354-NSB-B	2	6	5.5		RY504-B	2	6	3.3					
	RY354-NSB-B	6	12	4.7		RY504-B	6	12	3.1	99	RY594-A	0	2	4.8
						RY504-C	0	2	2.6		RY594-A	2	6	4.8
50	RY355-NSS-A	0	2	2.6		RY504-C	2	6	2.6		RY594-A	6	12	4.6
	RY355-NSB-A	2	6	2.5		RY504-C	6	12	2.4		RY594-B	0	2	4.4
	RY355-NSB-A	6	12	2.4		RY504-D	0	2	3.7		RY594-B	2	6	4.7
						RY504-D	2	6	4.5		RY594-B	6	12	4.3
51	RY356-NSS-A	0	2	4.3		RY504-D	6	12	4.4		RY594-C	0	2	4.3
	RY356-NSB-A	2	6	3.2		RY504-E	0	2	1.1		RY594-C	2	6	5.1
	RY356-NSS-B	0	2	11.8		RY504-E	2	6	3.1		RY594-C	6	12	4.3
	RY356-NSB-B	2	6	3		RY504-E	6	12	3.4		RY594-D	0	2	1.6
	RY356-NSB-B	6	12	10.2		RY504-F	0	2	2.4		RY594-D	2	6	3.3
						RY504-F	2	6	1.6		RY594-D	6	12	2.2
52	RY357-A	0	2	2.3		RY504-F	6	12	2.8					
	RY357-A	2	6	1.2						100	RY618-D	6	12	3.1
	RY357-A	6	12	0.86										
	RY357-B	0	2	0.67						101	RY623-A	0	2	4.5
	RY357-B	2	6	0.65							RY623-A	2	6	5.2
	RY357-B	6	12	0.75										
										102	RY637-A	6	12	5.7
													Minimum	0.45
													Maximum	66.7
													Average	5.5

All data are CLP laboratory results.

low (less than 100 ppm of arsenic)

ppm= parts per million (mg/kg)

Table 5-3
Summary of Residential Lead Concentrations - Moderate Category
2011 RI Report
Flat Creek/IMM Superfund Site - OU1

Sample Index	Sample Location	Depth Interval (inches)		Concentrations (ppm) All Samples	Moderate Locations Only	Remaining Moderate Locations
1	**RY007-NSS-A**	0	2	196	196	196
	RY007-NSB-A	2	6	250	250	250
	RY007-NSB-A	6	12	439	439	439
	RY007-NSS-B	0	2	33.5		
	RY007-NSS-C	0	2	15.1		
	RY007-NSS-D	0	2	247		
	RY007-NSB-D	2	6	272		
	RY007-NSS-F	0	2	37.6		
2*	RY008-NSS-A	0	2	274		
	RY008-NSS-B	0	2	36.3		
	RY008-NSS-C	0	2	14		
	RY008-NSB-C	2	6	13.9		
	RY008-NSS-D	0	2	146		
3	**RY023-NSS-A**	0	2	523	523	523
	RY023-NSB-A	2	6	385	385	385
	RY023-NSB-A	6	12	431	431	431
	RY023-NSS-B	0	2	71.2	71.2	71.2
	RY023-NSB-B	2	6	258	258	258
	RY023-NSB-B	6	12	678	678	678
	RY023-NSS-C	0	2	212		
	RY023-NSB-C	2	6	135		
	RY023-NSB-D	2	6	65.9		
4*	RY026-NSS-A	0	2	135		
	RY026-NSB-A	2	6	172		
	RY026-NSB-A	6	12	270		
	RY026-NSS-B	0	2	87.6		
	RY026-NSB-B	2	6	104		
	RY026-NSS-C	0	2	279		
	RY026-NSB-C	2	6	317		
5	RY061-NSS-B	0	2	330		
	RY061-NSB-E	2	6	187	187	187
	RY061-NSB-E	6	12	1030	1030	1030
	RY061-NSS-F	0	2	122		
	RY061-NSB-F	2	6	136		
	RY061-NSB-F	6	12	339		
6	RY089-NSS-C	0	2	181		
	RY089-NSS-I	0	2	445	445	445
	RY089-NSB-I	2	6	383	383	383
7	RY095-NSB-A	6	12	86.2		
	RY095-NSS-B	0	2	592	592	592
	RY095-NSB-B	2	6	856	856	856
	RY095-NSB-B	6	12	311	311	311
	RY095-NSB-C	2	6	268	268	
	RY095-NSB-C	6	12	673	673	
	RY095-NSB-D	6	12	40.4		
8	RY108-NSB-B	2	6	81.3		
	RY108-NSB-B	6	12	117		
	RY108-NSB-E	2	6	631	631	631
	RY108-NSB-E	6	12	325	325	325
9	**RY109-NSB-A**	6	12	654	654	654
10	RY144-NSB-B	2	6	198		
	RY144-NSB-B	6	12	250		
	RY144-NSB-D	2	6	308	308	308
	RY144-NSB-D	6	12	637	637	637
11	RY160-NSS-A	0	2	326		
	RY160-NSB-A	2	6	189		
	RY160-NSS-B	0	2	789	789	789
12	**RY193-NSB-C**	6	12	553	553	553
	RY193-NSS-D	0	2	519	519	519
	RY193-NSB-D	2	6	167	167	167
13*	RY234-NSB-D	2	6	30.8		
	RY234-NSB-D	6	12	16.3		
14*	RY251-NSS-D	0	2	143		
	RY251-NSB-D	2	6	158		
	RY251-NSB-D	6	12	248		
15	**RY271-NSS-D**	0	2	119	119	119
	RY271-NSB-D	2	6	481	481	481
	RY271-NSB-D	6	12	1030	1030	1030
16	**RY277-NSB-D**	2	6	525	525	525
17	**RY284-NSS-A**	0	2	1020	1020	1020
	RY284-NSB-A	2	6	506	506	506
	RY284-NSB-A	6	12	232	232	232
18	**RY352-NSS-C**	0	2	384	384	384
	RY352-NSB-C	2	6	452	452	452
	RY352-NSB-C	6	12	488	488	488
19	RY483-A	0	2	378		
	RY483-A	2	6	296		
	RY483-A	6	12	234		
	RY483-B	0	2	502	502	502
	RY483-B	2	6	282	282	282
	RY483-B	6	12	370	370	370
	RY483-C	0	2	143		
	RY483-D	6	12	577	577	577
20	RY485-E	0	2	371		
	RY485-F	0	2	434	434	434
	RY485-F	2	6	80.1	80.1	80.1
	RY485-F	6	12	44	44	44
21	**RY597-D**	2	6	1120	1120	1120
	RY597-D	6	12	238	238	238
22	**RY616-A**	2	6	867	867	867
				Minimum	**14**	**44**	**44**
				Maximum	**1,120**	**1,120**	**1,120**
				Average	**372**	**475**	**475**

= moderate concentration (400 to 1,200 ppm lead)

= location remediated because of XRF concentration

* sample location is in moderate category because of arsenic result, not lead

Results are CLP laboratory results

ppm = parts per million (or mg/kg)

Table 5-4
Summary of Residential Arsenic Concentrations - Moderate Category
2011 RI Report
Flat Creek/IMM Superfund Site - OU1

#	Sample Location	Depth Interval (inches)		Concentrations (ppm) All	Moderate Locations Only	Remaining Moderate Locations
1*	RY007-NSS-A	0	2	28		
	RY007-NSB-A	2	6	71		
	RY007-NSB-A	6	12	64		
	RY007-NSS-B	0	2	3.3		
	RY007-NSS-C	0	2	2.7		
	RY007-NSS-D	0	2	50.9		
	RY007-NSB-D	2	6	45.1		
	RY007-NSS-F	0	2	13.6		
2	**RY008-NSS-A**	0	2	133	133	133
	RY008-NSB-B	0	2	4.2		
	RY008-NSS-C	0	2	2.7		
	RY008-NSB-C	2	6	2.8		
	RY008-NSS-D	0	2	7.2		
3*	RY023-NSS-A	0	2	5.6		
	RY023-NSB-A	2	6	5.8		
	RY023-NSB-A	6	12	5.5		
	RY023-NSS-B	0	2	4.7		
	RY023-NSB-B	2	6	5.3		
	RY023-NSB-B	6	12	5.2		
	RY023-NSS-C	0	2	6.2		
	RY023-NSB-C	2	6	7.2		
	RY023-NSB-D	2	6	7		
4	RY026-NSS-A	0	2	10		
	RY026-NSB-A	2	6	39.8		
	RY026-NSB-A	6	12	18.1		
	RY026-NSS-B	0	2	5.4		
	RY026-NSB-B	2	6	7.2		
	RY026-NSS-C	0	2	31.6	31.6	31.6
	RY026-NSB-C	2	6	274	274	274
5	RY061-NSS-B	0	2	25.6		
	RY061-NSB-E	2	6	20.1	20.1	20.1
	RY061-NSB-E	6	12	137	137	137
	RY061-NSS-F	0	2	9.4		
	RY061-NSB-F	2	6	10.5		
	RY061-NSB-F	6	12	14.7		
6*	RY089-NSS-I	0	2	4.6		
	RY089-NSB-I	2	6	5.4		
	RY089-NSS-C	0	2	7.8		
7*	RY095-NSB-A	6	12	15.7		
	RY095-NSS-B	0	2	35.8		
	RY095-NSB-B	2	6	60.5		
	RY095-NSB-B	6	12	25.5		
	RY095-NSB-C	2	6	21.4		
	RY095-NSB-C	6	12	45.4		
	RY095-NSB-D	6	12	15.8		
8*	RY108-NSB-B	2	6	17.9		
	RY108-NSB-B	6	12	27		
	RY108-NSB-E	2	6	85.1		
	RY108-NSB-E	6	12	43.6		
9*	RY109-NSB-A	6	12	25.6		
10	RY144-NSB-B	2	6	16.3		
	RY144-NSB-B	6	12	23.7		
	RY144-NSB-D	2	6	369	369	369
	RY144-NSB-D	6	12	106	106	106
11	RY160-NSS-A	0	2	36.4		
	RY160-NSB-A	2	6	30.8		
	RY160-NSS-B	0	2	180	180	180
12	**RY193-NSB-C**	6	12	133	133	133
	RY193-NSS-D	0	2	47.9		
	RY193-NSB-D	2	6	27.3		
13	**RY234-NSB-D**	2	6	45.8	45.8	45.8
	RY234-NSB-D	6	12	326	326	326
14	**RY251-NSS-D**	0	2	15.5	15.5	
	RY251-NSB-D	2	6	174	174	
	RY251-NSB-D	6	12	53.3	53.3	
15	**RY271-NSS-D**	0	2	9.7	9.7	9.7
	RY271-NSB-D	2	6	97.2	97.2	97.2
	RY271-NSB-D	6	12	221	221	221
16	RY277-NSB-D	2	6	22.6		
17	**RY284-NSS-A**	0	2	157	157	157
	RY284-NSB-A	2	6	28.9	28.9	28.9
	RY284-NSB-A	6	12	7.3	7.3	7.3
18*	RY352-NSS-C	0	2	68.2		
	RY352-NSB-C	2	6	76.9		
	RY352-NSB-C	6	12	76.7		
19*	RY483-A	0	2	5.5		
	RY483-A	2	6	4.7		
	RY483-A	6	12	4.1		
	RY483-B	0	2	10.4		
	RY483-B	2	6	10.5		
	RY483-B	6	12	9.6		
	RY483-C	0	2	4.6		
	RY483-D	6	12	5		
20	RY485-E	0	2	5.5		
	RY485-F	0	2	104	104	104
	RY485-F	2	6	19.1	19.1	19.1
	RY485-F	6	12	25.1	25.1	25.1
21	**RY597-D**	2	6	253	253	253
	RY597-D	6	12	78.8	78.8	78.8
22	**RY616-A**	2	6	332	332	332
				Minimum	**3**	7	7
				Maximum	**369**	**369**	369
				Average	**53**	**128**	134

=moderate concentration (100 to 400 ppm arsenic)

=sampling location remediated by EPA's Removal Group in 2010

* = sampling location is in moderate category because of lead result, not arsenic

Results are CLP laboratory results

ppm = parts per million (or mg/kg)

Bold font = moderate concentration location

Table 5-5
Summary of Residential Lead Concentrations - High Category
2011 RI Report
Flat Creek/IMM Superfund Site - OU1

#	Sample Location	Depth (inches)		Concentrations (ppm) All	High Locs. Only	High Remain-ing
1	RY006-NSS-A	0	2	69.5		
	RY006-NSB-A	6	12	194		
	RY006-NSS-B	0	2	29.7		
	RY006-NSS-C	0	2	25.9		
	RY006-NSS-D	0	2	3150	3150	
	RY006-NSB-D	2	6	873	873	
	RY006-NSB-D	6	12	222	222	
2	RY021-NSS-A	0	2	27.1		
	RY021-NSS-B	0	2	113		
	RY021-NSB-B	6	12	73.1		
	RY021-NSS-C	0	2	41.9		
	RY021-NSB-D	2	6	160	160	160
	RY021-NSB-D	6	12	1820	1820	1820
	RY021-NSS-E	0	2	204		
	RY021-NSB-E	2	6	544		
	RY021-NSB-E	6	12	157		
3	**RY030-NSS-D**	0	2	260	260	
	RY030-NSB-D	2	6	7910	7910	
	RY030-NSB-E	2	6	1880	1880	1880
	RY030-NSB-E	6	12	314	314	314
4	RY036-NSS-C	0	2	102		
	RY036-NSS-D	0	2	1710	1710	1710
	RY036-NSB-D	2	6	1070	1070	1070
	RY036-NSB-D	6	12	1170	1170	1170
5	**RY043-NSB-B**	2	6	17700	17700	
	RY043-NSS-E	0	2	1120		
	RY043-NSB-E	2	6	403		
	RY043-NSB-E	6	12	843		
6	RY045-NSB-A	2	6	143		
	RY045-NSB-A	6	12	87.4		
	RY045-NSS-C	0	2	102		
	RY045-NSB-C	2	6	114		
	RY045-NSB-C	6	12	94.7		
	RY045-NSS-D	0	2	5470	5470	
7	**RY053-NSS-C**	0	2	455	455	
	RY053-NSB-C	2	6	7910	7910	
	RY053-NSB-C	6	12	2940	2940	
8	**RY084-NSS-C**	0	2	4630	4630	
	RY084-NSB-C	2	6	1120	1120	
	RY084-NSB-C	6	12	441	441	
9	**RY086-NSS-A**	0	2	1300	1300	1300
	RY086-NSB-A	2	6	2050	2050	2050
	RY086-NSB-A	6	12	221	221	221
	RY086-NSS-C	0	2	1120		
	RY086-NSS-D	0	2	7530	7530	
	RY086-NSB-D	2	6	5740	5740	
	RY086-NSB-D	6	12	4700	4700	
10	RY091-NSB-A	2	6	167		
	RY091-NSB-A	6	12	144		
	RY091-NSS-D	0	2	3310	3310	
	RY091-NSB-D	2	6	1110	1110	
	RY091-NSB-D	6	12	2570	2570	
	RY091-NSS-E	0	2	1670	1670	1670
	RY091-NSS-F	0	2	101		
	RY091-NSB-F	2	6	134		
	RY091-NSB-F	6	12	62.6		
11	**RY092-NSS-C**	0	2	904	904	904
	RY092-NSB-C	2	6	1860	1860	1860
	RY092-NSB-C	6	12	1500	1500	1500
	RY092-NSS-D	0	2	617		
	RY092-NSB-D	6	12	588		
	RY092-NSS-E	0	2	346		
	RY092-NSB-E	2	6	203		
	RY092-NSB-E	6	12	64.7		
12	RY094-NSS-B	0	2	367		
	RY094-NSB-B	2	6	287		
	RY094-NSB-B	6	12	398		
	RY094-NSS-F	0	2	7240	7240	
	RY094-NSB-F	2	6	5690	5690	
	RY094-NSB-F	6	12	2160	2160	
13	**RY101-NSS-A**	0	2	160	160	
	RY101-NSB-A	6	12	3800	3800	
	RY101-NSS-B	0	2	91		
	RY101-NSB-B	6	12	73.8		
	RY101-NSS-C	0	2	3090	3090	
	RY101-NSB-C	2	6	2980	2980	
	RY101-NSB-C	6	12	1020	1020	
	RY101-NSS-D	0	2	2600	2600	2600
	RY101-NSB-D	2	6	683	683	683
	RY101-NSS-E	0	2	216		
	RY101-NSB-E	2	6	541		
	RY101-NSB-E	6	12	1120		
14	RY102-NSS-A	0	2	250		
	RY102-NSB-A	2	6	195		
	RY102-NSB-A	6	12	99.1		
	RY102-NSB-B	0	2	195		
	RY102-NSB-B	2	6	410		
	RY102-NSB-B	6	12	1020		
	RY102-NSB-C	6	12	112		
	RY102-NSS-D	0	2	5140	5140	
	RY102-NSB-D	2	6	2130	2130	
	RY102-NSB-D	6	12	557	557	
15	**RY125-NSS-D**	0	2	805	805	
	RY125-NSB-D	2	6	3840	3840	
	RY125-NSB-D	6	12	771	771	
16	**RY130-NSS-B**	0	2	1410	1410	1410
17	**RY140-NSB-B**	2	6	2880	2880	
	RY140-NSB-B	6	12	2080	2080	
	RY140-NSB-C	2	6	3550	3550	
18	**RY148-NSS-B**	0	2	4030	4030	
	RY148-NSB-B	2	6	3420	3420	
	RY148-NSB-B	6	12	2730	2730	
	RY148-NSB-C	2	6	476		
	RY148-NSB-C	6	12	149		
19	**RY176-NSB-E**	2	6	2190	2190	2190
20	**RY198-NSS-D**	0	2	4320	4320	
	RY198-NSB-D	2	6	3940	3940	
21	**RY240-NSB-B**	2	6	4340	4340	
	RY240-NSB-D	2	6	922	922	
	RY240-NSB-D	6	12	5540	5540	
22	**RY257-NSS-C**	0	2	2660	2660	2660
	RY257-NSB-C	2	6	106	106	106
23	**RY303-NSS-D**	0	2	6200	6200	
	RY303-NSB-D	2	6	490	490	
	RY303-NSB-D	6	12	4090	4090	
24	**RY304-NSS-C**	0	2	155	155	
	RY304-NSB-C	2	6	4290	4290	
	RY304-NSB-C	6	12	3810	3810	
25	**RY338-NSS-C**	0	2	5050	5050	
	RY338-NSB-C	2	6	4350	4350	
	RY338-NSB-C	6	12	3190	3190	
26	RY387-A	2	6	91.6		
	RY387-D	0	2	5990	5990	
	RY387-D	2	6	440	440	
	RY387-D	6	12	516	516	
	RY387-E	0	2	366		
	RY387-E	2	6	280		
	RY387-E	6	12	384		
27	**RY422-D**	0	2	2110	2110	2110
	RY422-D	2	6	922	922	922
	RY422-D	6	12	289	289	289
28	RY506-A	0	2	469		
	RY506-A	2	6	374		
	RY506-A	6	12	423		
	RY506-C	0	2	295		
	RY506-C	2	6	371		
	RY506-C	6	12	315		
	RY506-D	0	2	1170	1170	1170
	RY506-D	2	6	2190	2190	2190
	RY506-D	6	12	760	760	760
	RY506-E	0	2	126		
	RY506-E	2	6	179		
	RY506-E	6	12	128		
	RY506-F	0	2	3790	3790	
	RY506-F	2	6	36800	36800	
	RY506-F	6	12	2250	2250	
	RY506-G	0	2	238		
	RY506-G	2	6	436		
	RY506-G	6	12	143		
	RY506-H	0	2	137		
	RY506-H	2	6	147		
	RY506-H	6	12	119		
	RY506-I	0	2	256		
	RY506-I	2	6	271		
	RY506-I	6	12	278		
	RY506-J	0	2	214		
	RY506-J	2	6	260		
	RY506-J	6	12	234		
	RY506-K	0	2	208		
	RY506-K	2	6	161		
	RY506-K	6	12	182		
	RY506-L	0	2	190		
	RY506-L	2	6	212		
	RY506-L	6	12	122		
29	RY523-A	0	2	129		
	RY523-A	2	6	168		
	RY523-A	6	12	157		
	RY523-B	0	2	134		
	RY523-B	2	6	129		
	RY523-B	6	12	80.5		
	RY523-C	0	2	6830	6830	6830
	RY523-C	2	6	2300	2300	2300
	RY523-C	6	12	721	721	721
30	**RY600-A**	0	2	3340	3340	3340
	RY600-A	2	6	1150	1150	1150
	RY600-A	6	12	17800	17800	17800
				Minimum	**26**	**106**	**106**
				Maximum	**36,800**	**36,800**	**17,800**
				Average	**1,852**	**3,335**	**2,158**

=moderate (400 to 1,200 ppm lead)
=high (greater than 1,200 ppm lead)
=sampling location remediated by EPA's Removal Group in 2010

Results are CLP laboratory results
ppm = parts per million (or mg/kg)

Table 5-6
Summary of Residential Arsenic Concentrations - High Category
2011 RI Report
Flat Creek/IMM Superfund Site - OU1

#	Sample Location	Depth (inches)		Concentrations (ppm) All	High Locations Only	Remaining High Concentrations
1	RY006-NSB-A	6	12	27.9		
	RY006-NSS-A	0	2	8.9		
	RY006-NSS-B	0	2	2.9		
	RY006-NSS-C	0	2	8.5		
	RY006-NSS-D	0	2	790	790	
	RY006-NSB-D	2	6	186	186	
	RY006-NSB-D	6	12	35.9	35.9	
2*	RY021-NSS-A	0	2	4.8		
	RY021-NSB-B	0	2	13.9		
	RY021-NSB-B	6	12	11.3		
	RY021-NSS-C	0	2	4.1		
	RY021-NSB-D	2	6	15.3		
	RY021-NSB-D	6	12	50.5		
	RY021-NSS-E	0	2	26.2		
	RY021-NSB-E	2	6	373		
	RY021-NSB-E	6	12	26.3		
3	RY030-NSS-D	0	2	115	115	
	RY030-NSB-D	2	6	1200	1200	
	RY030-NSB-E	2	6	345		
	RY030-NSB-E	6	12	46.8		
4	**RY036-NSS-D**	0	2	737	737	737
	RY036-NSB-D	2	6	236	236	236
	RY036-NSB-D	6	12	377	377	377
	RY036-NSS-C	0	2	4.5		
5*	RY043-NSB-B	2	6	172		
	RY043-NSB-E	2	6	83.9		
	RY043-NSB-E	6	12	111		
	RY043-NSS-E	0	2	144		
6	RY045-NSB-A	2	6	52.7		
	RY045-NSB-A	6	12	18		
	RY045-NSB-C	2	6	17.1		
	RY045-NSB-C	6	12	14.7		
	RY045-NSS-C	0	2	14.5		
	RY045-NSS-D	0	2	1190	1190	
7	**RY053-NSS-C**	0	2	160	160	
	RY053-NSB-C	2	6	1680	1680	
	RY053-NSB-C	6	12	520	520	
8	**RY084-NSS-C**	0	2	450	450	
	RY084-NSB-C	2	6	116	116	
	RY084-NSB-C	6	12	273	273	
9	RY086-NSS-A	0	2	240		
	RY086-NSB-A	2	6	234		
	RY086-NSB-A	6	12	46.2		
	RY086-NSS-C	0	2	197		
	RY086-NSS-D	0	2	1400	1400	
	RY086-NSB-D	2	6	1090	1090	
	RY086-NSB-D	6	12	1440	1440	
10	RY091-NSB-A	2	6	26.4		
	RY091-NSB-A	6	12	23.9		
	RY091-NSS-D	0	2	276		
	RY091-NSB-D	6	12	205		
	RY091-NSB-D	2	6	182		
	RY091-NSB-F	2	6	14.6		
	RY091-NSB-F	6	12	9.2		
	RY091-NSS-E	0	2	298		
	RY091-NSS-F	0	2	13.7		
11	RY092-NSS-C	0	2	121		
	RY092-NSB-C	2	6	242		
	RY092-NSB-C	6	12	274		
	RY092-NSS-D	0	2	96.1		
	RY092-NSB-D	6	12	51.8		
	RY092-NSS-E	0	2	31.8		
	RY092-NSB-E	2	6	24.6		
	RY092-NSB-E	6	12	9.7		
12*	RY094-NSS-B	0	2	27.7		
	RY094-NSB-B	2	6	24.2		
	RY094-NSB-B	6	12	31.8		
	RY094-NSS-F	0	2	391		
	RY094-NSB-F	2	6	311		
	RY094-NSB-F	6	12	134		
13	**RY101-NSS-A**	0	2	95	95	
	RY101-NSB-A	6	12	552	552	
	RY101-NSS-B	0	2	12.5		
	RY101-NSB-B	6	12	16.9		
	RY101-NSS-C	0	2	451	451	
	RY101-NSB-C	2	6	539	539	
	RY101-NSB-C	6	12	264	264	
	RY101-NSS-D	0	2	524	524	524
	RY101-NSB-D	2	6	90.8	90.8	90.8
	RY101-NSS-E	0	2	22.8		
	RY101-NSB-E	2	6	53.2		
	RY101-NSB-E	6	12	208		
14	RY102-NSS-A	0	2	30.7		
	RY102-NSB-A	2	6	20.9		
	RY102-NSB-A	6	12	14.8		
	RY102-NSB-B	0	2	25.1		
	RY102-NSB-B	2	6	60.9		
	RY102-NSB-B	6	12	30.4		
	RY102-NSB-C	6	12	15		
	RY102-NSS-D	0	2	732	732	
	RY102-NSB-D	2	6	427	427	
	RY102-NSB-D	6	12	96	96	
15	**RY125-NSS-D**	0	2	127	127	
	RY125-NSB-D	2	6	653	653	
	RY125-NSB-D	6	12	678	678	
16*	RY130-NSS-B	0	2	139		
17	**RY140-NSB-B**	2	6	815	815	
	RY140-NSB-B	6	12	354	354	
	RY140-NSB-C	2	6	613	613	
18	**RY148-NSS-B**	0	2	1710	1710	
	RY148-NSB-B	2	6	695	695	
	RY148-NSB-B	6	12	377	377	
	RY148-NSB-C	2	6	114		
	RY148-NSB-C	6	12	17.2		
19*	RY176-NSB-E	2	6	51.7		
20	**RY198-NSS-D**	0	2	584	584	
	RY198-NSB-D	2	6	302	302	
21	**RY240-NSB-B**	2	6	434	434	
	RY240-NSB-D	2	6	212	212	
	RY240-NSB-D	6	12	813	813	
22*	RY257-NSS-C	0	2	296		
	RY257-NSB-C	2	6	9.2		
23	**RY303-NSS-D**	0	2	1750	1750	
	RY303-NSB-D	2	6	122	122	
	RY303-NSB-D	6	12	570	570	
24	**RY304-NSS-C**	0	2	15.7	15.7	
	RY304-NSB-C	6	12	373	373	
	RY304-NSB-C	2	6	474	474	
25	**RY338-NSS-C**	0	2	579	579	
	RY338-NSB-C	2	6	468	468	
	RY338-NSB-C	6	12	327	327	
26	RY387-A	2	6	11.1		
	RY387-D	0	2	592	592	
	RY387-D	2	6	33.3	33.3	
	RY387-D	6	12	65.7	65.7	
	RY387-E	0	2	19.5		
	RY387-E	2	6	21.8		
	RY387-E	6	12	25.1		
27	RY506-A	0	2	36.5		
	RY506-A	2	6	22.6		
	RY506-A	6	12	33.7		
	RY506-C	0	2	19.6		
	RY506-C	2	6	26.1		
	RY506-C	6	12	21.4		
	RY506-D	0	2			
	RY506-D	2	6			
	RY506-D	6	12			
	RY506-E	0	2	12.8		
	RY506-E	2	6	15.9		
	RY506-E	6	12	12.1		
	RY506-F	0	2	220	220	
	RY506-F	2	6	1880	1880	
	RY506-F	6	12	147	147	
	RY506-G	0	2	9.1		
	RY506-G	2	6	22.2		
	RY506-G	6	12	7.6		
	RY506-H	0	2	6.1		
	RY506-H	2	6	6.9		
	RY506-H	6	12	5.8		
	RY506-I	0	2	13.6		
	RY506-I	2	6	27		
	RY506-I	6	12	17.9		
	RY506-J	0	2	18		
	RY506-J	2	6	17.2		
	RY506-J	6	12	17.6		
	RY506-K	0	2	12		
	RY506-K	2	6	12.1		
	RY506-K	6	12	12.7		
	RY506-L	0	2	16		
	RY506-L	2	6	19		
	RY506-L	6	12	12.8		
28*	RY422-D	0	2	229		
	RY422-D	2	6	95		
	RY422-D	6	12	28.6		
29	RY523-A	0	2	17.6		
	RY523-A	2	6	25.1		
	RY523-A	6	12	22.2		
	RY523-B	0	2	18.9		
	RY523-B	2	6	13.7		
	RY523-B	6	12	12.5		
	RY523-C	0	2	598	598	598
	RY523-C	2	6	543	543	543
	RY523-C	6	12	115	115	115
30	**RY600-A**	0	2	415	415	415
	RY600-A	2	6	491	491	491
	RY600-A	6	12	153	153	153
				Minimum	3	16	91
				Maximum	1,880	1,880	737
				Average	239	541	393

=moderate (100 to 400 ppm arsenic)
=high (greater than 400 ppm arsenic)
=sampling location remediated by EPA's Removal Group in 2010

* = sample location is is high category due to lead results, not arsenic results.
Bold font = high concetration sample location
All data are CLP laboratory results.

Table 5-7

Lead and Arsenic Concentrations for Residential Removals - 2010 TCRA

2011 RI Report

Flat Creek/IMM Superfund Site - OU1

#	Sample Location	Description	Depth Interval (inches)		Arsenic Concentration (ppm)	Lead Concentration (ppm)
1	RY006-NSS-D	driveway	0	2	790	3,150
	RY006-NSB-D	driveway	2	6	186	873
	RY006-NSB-D	driveway	6	12	36	222
2	RY030-NSS-D	driveway	0	2	115	260
	RY030-NSB-D	driveway	2	6	1,200	7,910
3	RY043-NSB-B	yard	2	6	172	17,700
4	RY045-NSS-D	bare area	0	2	1,190	5,470
5	RY053-NSS-C	driveway	0	2	160	455
	RY053-NSB-C	driveway	2	6	1,680	7,910
	RY053-NSB-C	driveway	6	12	520	2,940
6	RY084-NSS-C	yard	0	2	450	4,630
	RY084-NSB-C	yard	2	6	116	1,120
	RY084-NSB-C	yard	6	12	273	441
7	RY086-NSS-D	driveway	0	2	1,400	7,530
	RY086-NSB-D	driveway	2	6	1,090	5,740
	RY086-NSB-D	driveway	6	12	1,440	4,700
8	RY091-NSS-D	driveway	0	2	276	3,310
	RY091-NSB-D	driveway	6	12	205	1,110
	RY091-NSB-D	driveway	2	6	182	2,570
9	RY094-NSS-F	bare area	0	2	391	7,240
	RY094-NSB-F	bare area	2	6	311	5,690
	RY094-NSB-F	bare area	6	12	134	2,160
10	RY095-C	yard	2	6	21	268
	RY095-C	yard	6	12	45	673
11	RY101-NSS-A	yard	0	2	95	160
	RY101-NSB-A	yard	6	12	552	3,800
	RY101-NSS-C	yard	0	2	451	3,090
	RY101-NSB-C	yard	2	6	539	2,980
	RY101-NSB-C	yard	6	12	264	1,020
12	RY102-NSS-D	driveway	0	2	732	5,140
	RY102-NSB-D	driveway	2	6	427	2,130
	RY102-NSB-D	driveway	6	12	96	557
13	RY125-NSS-D	driveway	0	2	127	805
	RY125-NSB-D	driveway	2	6	653	3,840
	RY125-NSB-D	driveway	6	12	678	771

Table 5-7
Lead and Arsenic Concentrations for Residential Removals - 2010 TCRA
2011 RI Report
Flat Creek/IMM Superfund Site - OU1

#	Sample Location	Description	Depth Interval (inches)		Arsenic Concentration (ppm)	Lead Concentration (ppm)
14	RY140-NSB-B	yard	0	2	815	2,880
	RY140-NSB-B	yard	2	6	354	2,080
	RY140-NSB-C	yard	2	6	613	3,550
15	RY148-NSS-B	yard	0	2	1,710	4,030
	RY148-NSB-B	yard	2	6	695	3,420
	RY148-NSB-B	yard	6	12	377	2,730
16	RY198-NSS-D	driveway	0	2	584	4,320
	RY198-NSB-D	driveway	2	6	302	3,940
17	RY240-NSB-B	yard	2	6	434	4,340
	RY240-NSB-D	driveway	2	6	212	922
	RY240-NSB-D	driveway	6	12	813	5,540
18	RY251-D	driveway	0	2	16	143
	RY251-D	driveway	2	6	174	158
	RY251-D	driveway	6	12	53	248
19	RY303-NSS-D	driveway	0	2	1,750	6,200
	RY303-NSB-D	driveway	2	6	122	490
	RY303-NSB-D	driveway	6	12	570	4,090
20	RY304-NSS-C	yard	0	2	16	155
	RY304-NSB-C	yard	6	12	373	4,290
	RY304-NSB-C	yard	2	6	474	3,810
21	RY338-NSS-C	driveway	0	2	579	5,050
	RY338-NSB-C	driveway	2	6	468	4,350
	RY338-NSB-C	driveway	6	12	327	3,190
22	RY387-D	driveway	0	2	592	5,990
	RY387-D	driveway	2	6	33	440
	RY387-D	driveway	6	12	66	516
23	RY506-F	yard	0	2	220	3,790
	RY506-F	yard	2	6	1,880	36,800
	RY506-F	yard	6	12	147	2,250
				Minimum	16	143
				Maximum	1,880	36,800
				Average	496	3,720

= moderate (100 to 400 ppm arsenic or 400 to 1,200 ppm lead)
=high (>400 ppm arsenic or >1,200 ppm lead)
Removals were also conducted by EPA's Removal Group at RY092 and RY345. Exact locations not available.

Table 5-8
Non-Residential Properties with Samples Sent to CLP for Analysis
2011 RI Report
Flat Creek/IMM Superfund Site - OU1

#	Property ID	Address	Description or comment
1	**RY082**	317 Riverside Avenue	Offices (computer design)
2	**RY097**	38 Mullan Road	Wells Fargo Bank
3	**RY098**	1 Mullan Road	Vacant lot
4	**RY099**	15 Mullan Road	Hardware store
5	**RY100**	12 Mullan Road E.	Storage units and office
6	**RY106**	104 River Road N.	Medical office
7	**RY107**	102 River Road N.	Offices
8	**RY111**	301 2nd Avenue	Mineral County Library*
9	**RY112**	2nd Avenue	High school track*
10	**RY113**	Roosevelt	Vacant lot*
11	**RY115**	Arizona	Fairgrounds*
12	**RY118**	1208 6th Avenue	Hospital*
13	**RY136**	100 River Street	Old school – now rented offices
14	**RY146**	109 Mullan Road W.	Offices
15	**RY213**	262 Mullan Road W.	
16	**RY221**	Mullan Road W.	Storage units and office
17	**RY289**		USFS*
18	**RY317**	Brooklyn Avenue	County well house
19	**RY319**	5th Avenue E.	Eva Horning Park*
20	**RY325**	Mullan Road	Town maintenance shop*
21	**RY332**	301 Mullan Road	Hansen Petroleum
22	**RY366**	79 Mullan Road	Hilltop Hotel
23	**RY386**	W of 308 Mullan	
24	**RY369**	203 Mullan Road	
25	**RY383**	302 4th	Durango's Restaurant
26	**RY392**	310 3rd	USFS Ranger Station*
27	**RY393**	208 W. Main	USFS Ranger Station *
28	**RY398**	33 Mullan Road	Hilltop Hotel
29	**RY402**	110 Mullan Road	Mullan road business
30	**RY403**	106 Mullan Road	4 Aces Bar
31	**RY407**	213 Mullan Road	Cenex station
32	**RY412**	304 Spruce	Office of Montana Central Insurance
33	**RY418**	99 Iron	Offices of Clark Fork Women in Timber
34	**RY433**	425 Diamond	Carl's Auto Repair
35	**RY480**	103 4th Avenue	Big Sky Motel
36	**RY484**	29 Iron	SDA Church
37	**RY522**	302 River Road	Westgate Shopping Center
38	**RY598**	358 Moats Lane	Moats Farms
39	**RY627**	105 2nd Avenue	Blackfoot Telephone

Table 5-9
Summary of Non-Residential Lead Concentrations - Low Category
2011 RI Report
Flat Creek/IMM Superfund Site - OU1

Sample Location Index	Property Index	Sample Location	Depth Interval (inches)		Concen-tration (ppm)	Sample Location Index	Property Index	Sample Location	Depth Interval (inches)		Concen-tration (ppm)
1	1	RY082-NSB-A	2	6	177	15	12	RY403-A	0	2	208
		RY082-NSB-A	6	12	109			RY403-A	6	12	197
		RY082-NSS-A	0	2	152						
						16	13	RY407-A	6	12	215
2	2	RY106-NSS-A	0	2	237	17		RY407-C	6	12	138
		RY106-NSB-A	2	6	158						
		RY106-NSB-A	6	12	211	18	14	RY412-C	6	12	64.1
						19		RY412-D	0	2	295
3	3	RY107-NSS-A	0	2	182			RY412-D	2	6	111
		RY107-NSB-A	2	6	133						
		RY107-NSB-A	6	12	221	20	15	RY418-A	2	6	92.2
								RY418-A	6	12	215
4	4	RY113-D	0	2	108	21		RY418-B	0	2	180
								RY418-B	2	6	173
5	5	RY221-NSB-D	2	6	268			RY418-B	6	12	109
						22		RY418-D	6	12	55
6	6	RY317-A	2	6	8	3		RY418-E	0	2	80.6
								RY418-E	6	12	38.1
7	7	RY319-J	0	2	107						
						24	16	RY433-B	6	12	197
8	8	RY325-F	6	12	61.5						
9		RY325-G	6	12	72.3	25	17	RY480-G	0	2	128
								RY480-G	2	6	117
10	9	RY383-A	2	6	129			RY480-G	6	12	114
11	10	RY392-A	0	2	17.9	26	18	RY484-D	2	6	200
		RY392-A	2	6	21.8			RY484-D	6	12	123
		RY392-A	6	12	12.8	27		RY484-E	0	2	128
12		RY392-B	0	2	51.3			RY484-E	2	6	101
		RY392-B	2	6	159			RY484-E	6	12	125
		RY392-B	6	12	343						
13		RY392-C	0	2	29.3	28	19	RY522-B	0	2	66.3
		RY392-C	2	6	16.8						
		RY392-C	6	12	14	29	20	RY598-B	2	6	191
14	11	RY393-E	0	2	130						
										Minimum	8
										Maximum	343
										Average	131

All data are CLP laboratory results.

low (less than 400 ppm of lead)

ppm= parts per million (mg/kg)

Table 5-10
Summary of Non-Residential Arsenic Concentrations - Low Category
2011 RI Report
Flat Creek/IMM Superfund Site - OU1

Sample Location Index	Property Index	Sample Location	Depth Interval (inches)		Concen-tration (mg/kg)	Sample Location Index	Property Index	Sample Location	Depth Interval (inches)		Concen-tration (mg/kg)
1	1	RY082-NSB-A	2	6	34.2	14	11	RY393-E	0	2	14.3
		RY082-NSB-A	6	12	23.6						
		RY082-NSS-A	0	2	35.7	15	12	RY403-A	0	2	30.3
								RY403-A	6	12	15.9
2	2	RY106-NSB-A	2	6	29.6						
		RY106-NSB-A	6	12	22.1	16	13	RY407-A	6	12	41.4
		RY106-NSS-A	0	2	30	17		RY407-C	6	12	17.3
3	3	RY107-NSB-A	2	6	16.8	18	14	RY412-C	6	12	3.3
		RY107-NSB-A	6	12	23.5	19		RY412-D	0	2	4.5
		RY107-NSS-A	0	2	22.8			RY412-D	2	6	3.8
4	4	RY113-D	0	2	16.9	20	15	RY418-A	0	2	3.5
								RY418-A	2	6	3.2
5	5	RY221-NSB-D	2	6	25.1			RY418-A	6	12	4.1
						21		RY418-B	0	2	6.4
6	6	RY317-A	2	6	3.3			RY418-B	2	6	4.6
								RY418-B	6	12	4.5
7	7	RY319-J	0	2	13.4	22		RY418-D	6	12	3.3
						23		RY418-E	0	2	4.1
8	8	RY325-F	6	12	7.5			RY418-E	6	12	3.6
9		RY325-G	6	12	10.3						
						24	16	RY433-B	6	12	14.7
10	9	RY383-A	2	6	5.8						
						25	17	RY480-G	0	2	6.4
11	10	RY392-A	0	2	2.8			RY480-G	2	6	5.4
		RY392-A	2	6	2.9			RY480-G	6	12	6.4
		RY392-A	6	12	3.6						
12		RY392-B	0	2	13.4	26	18	RY484-D	2	6	4.6
		RY392-B	2	6	18.4			RY484-D	6	12	4.4
		RY392-B	6	12	29.5	27		RY484-E	0	2	4.4
13		RY392-C	0	2	3.3			RY484-E	2	6	3.8
		RY392-C	2	6	3			RY484-E	6	12	4.4
		RY392-C	6	12	2.5						
						28	19	RY522-B	0	2	6.5
						29	20	RY598-B	2	6	30.8
										Minimum	3
										Maximum	41.4
										Average	12.5

All data are CLP laboratory results.

low (less than 100 ppm of arsenic)

ppm= parts per million (mg/kg)

Table 5-11
Summary of Non-Residential Lead Concentration - Moderate Category
2011 RI Report
Flat Creek/IMM Superfund Site - OU1

Sample Location Index	Property Index	Sample Location	Depth Interval (inches)		Concentrations (ppm)		Sample Location Index	Property Index	Sample Location	Depth Interval (inches)		Concentrations (ppm)	
					All locations	Moderate Locations Only						All locations	Moderate Locations Only
1	1	RY097-NSB-B	2	6	136		11		RY366-B	0	2	141	
		RY097-NSB-B	6	12	119				RY366-B	2	6	273	
2		**RY097-NSS-C**	0	2	477	477	12		RY366-C	2	6	119	
		RY097-NSB-C	2	6	353	353			RY366-C	6	12	138	
		RY097-NSB-C	6	12	151	151	13		**RY366-D**	0	2	230	230
									RY366-D	2	6	331	331
3	2	RY099-NSS-A	0	2	119				**RY366-D**	6	12	495	495
		RY099-NSB-A	2	6	103		14		RY366-E	0	2	289	
		RY099-NSS-A	6	12	93.1				RY366-E	2	6	192	
4		**RY099-NSS-B**	0	2	495	495			RY366-E	6	12	146	
5	3	**RY100-NSS--A**	0	2	530	530	15	6	**RY369-B**	0	2	343	343
		RY100-NSB-A	2	6	437	437			**RY369-B**	2	6	1160	1160
		RY100-NSB-A	6	12	470	470			**RY369-B**	6	12	315	315
6		**RY100-NSS-B**	0	2	202	202	16		RY369-E	6	12		
		RY100-NSB-B	2	6	297	297							
		RY100-NSB-B	6	12	715	715	17	7	**RY386-A**	0	2	169	169
7		RY100-NSS-C	0	2	333				**RY386-A**	2	6	705	705
		RY100-NSB-C	2	6	192				**RY386-A**	6	12	475	475
		RY100-NSB-C	6	12	240		18		**RY386-B**	0	2	328	328
									RY386-B	2	6	564	564
8	4	**RY136-NSB-B**	6	12	608	608	19		RY386-C	0	2	306	
		RY136-NSB-B	2	6	434	434			RY386-C	2	6	142	
9		RY136-NSB-C	6	12	80.8				RY386-C	6	12	127	
							20		**RY386-D**	0	2	452	452
10	5	**RY366-A**	0	2	280	280			**RY386-D**	6	12	106	106
		RY366-A	2	6	319	319							
		RY366-A	6	12	592	592							
											Minimum	81	106
											Maximum	1,160	1,160
											Average	326	430

= moderate concentration (400 to 1,200 ppm lead)

ppm = parts per million (or mg/kg)

All results are from CLP laboratory analysis

Bold font = moderate concentration sample location

Table 5-12
Summary of Non-Residential Arsenic Concentrations - Moderate Category
2011 RI Report
Flat Creek/IMM Superfund Site - OU1

Sample Location Index	Property Index	Sample Location	Depth Interval (inches)		Concentrations (ppm)		Sample Location Index	Property Index	Sample Location	Depth Interval (inches)		Concentrations (ppm)	
					All locations	Moderate Locations Only						All locations	Moderate Locations Only
1	1*	RY097-NSB-B	2	6	17		11		RY366-B	0	2	11.9	
		RY097-NSB-B	6	12	20.3				RY366-B	2	6	12.2	
2		RY097-NSS-C	0	2	27.4		12		RY366-C	2	6	16.5	
		RY097-NSB-C	2	6	25.4				RY366-C	6	12	19.4	
		RY097-NSB-C	6	12	20.1		13		**RY366-D**	0	2	23.8	23.8
									RY366-D	2	6	48.1	48.1
3	2*	RY099-NSS-A	0	2	12.2				**RY366-D**	6	12	167	167
		RY099-NSB-A	2	6	9.6		14		RY366-E	0	2	28	
		RY099-NSS-A	6	12	10.5				RY366-E	2	6	25.8	
4		RY099-NSS-B	0	2	17.6				RY366-E	6	12	19.1	
5	3*	RY100-NSS-A	0	2	66.1		15	6*	RY369-NSS-B	0	2	26	
		RY100-NSB-A	2	6	45.2				RY369-NSB-B	2	6	44.5	
		RY100-NSB-A	6	12	52.3				RY369-NSB-B	6	12	25.1	
6		RY100-NSS-B	0	2	23.5		16		RY369-NSB-E	6	12	29.3	
		RY100-NSB-B	2	6	37.3								
		RY100-NSB-B	6	12	90.8		17	7	**RY386-A**	0	2	31.2	31.2
7		RY100-NSS-C	0	2	32.9				**RY386-A**	2	6	98.6	98.6
		RY100-NSB-C	2	6	26.1				**RY386-A**	6	12	111	111
		RY100-NSB-C	6	12	28.7		18		**RY386-B**	0	2	191	191
									RY386-B	2	6	69.5	69.5
8	4*	RY136-NSB-B	2	6	91		19		RY386-C	0	2	52.2	
		RY136-NSB-B	6	12	70.4				RY386-C	2	6	24.2	
9		RY136-NSB-C	6	12	12.4				RY386-C	6	12	25.6	
							20		RY386-D	0	2	78.7	
10	5	RY366-A	0	2	33.8				RY386-D	6	12	16.1	
		RY366-A	2	6	26.4								
		RY366-A	6	12	43.7								
											Minimum	9.6	24
											Maximum	191	191
											Average	42	93

= moderate concentration (400 to 1,200 ppm arsenic)

* Sample location is in moderate category because of lead result, not arsenic

Bold font = moderate concentration sample location

Results are CLP laboratory results

ppm = parts per million (or mg/kg)

Table 5-13
Summary of Non-Residential Lead Concentration - High Category
2011 RI Report
Flat Creek/IMM Superfund Site - OU1

Sample Location Index	Property Index	Sample Location	Depth Interval (inches)		Concentrations (ppm) All locations	Concentrations (ppm) High Locations Only	Concentrations (ppm) Remaining High Concentrations
1	1	**RY098-NSS-A**	0	2	1160	1160	1160
		RY098-NSB-A	2	6	1260	1260	1260
		RY098-NSB-A	6	12	1350	1350	1350
2		RY098-NSS-B	0	2	475		
3		RY098-NSS-C	0	2	392		
		RY098-NSB-C	2	6	1040		
		RY098-NSB-C	6	12	811		
4	2	**RY111-NSB-B**	6	12	1330	1330	1330
5	3	**RY112-NSB-A**	2	6	190	190	
		RY112-NSB-A	6	12	4740	4740	
6		RY112-NSS-C	0	2	319		
		RY112-NSB-C	2	6	459		
7		RY112-NSB-E	6	12	383		
8	4	**RY115-NSS-A**	0	2	13300	13300	
		RY115-NSB-A	2	6	6690	6690	
		RY115-NSB-A	6	12	20400	20400	
9		RY115-NSB-D	6	12	202		
10		**RY115-NSS-E**	0	2	706	706	
		RY115-NSB-E	2	6	2930	2930	
		RY115-NSB-E	6	12	873	873	
11	5	RY118-E	6	12	64.3		
12		RY118-G	0	2	123		
		RY118-G	2	6	111		
13		**RY118-O**	0	2	3430	3430	
		RY118-O	2	6	913	913	
		RY118-O	6	12	1180	1180	
14		**RY118-P**	0	2	13800	13800	
		RY118-P	2	6	3250	3250	
		RY118-P	6	12	5740	5740	
15	6*	RY146-NSB-B	2	6	375		
		RY146-NSB-B	6	12	275		
16	7	**RY213-NSS-B**	0	2	717	717	717
		RY213-NSB-B	2	6	1190	1190	1190
		RY213-NSB-B	6	12	1960	1960	1960
17	8	RY289-NSS-F	0	2	677		
		RY289-NSS-F	2	6	763		
18	**	**RY289-NSS-G**	0	2	2750	2750	
		RY289-NSS-G	2	6	7080	7080	
19		RY289-NSB-I	2	6	145		
		RY289-NSB-I	6	12	148		
20	9	RY332-NSS-A	0	2	406		
		RY332-NSB-A	2	6	578		
21		**RY332-NSB-B**	2	6	633	633	
		RY332-NSB-B	6	12	4150	4150	
22		RY332-NSS-D	0	2	311		
		RY332-NSB-D	2	6	258		
		RY332-NSB-D	6	12	755		
23	10	**RY398-A**	0	2	932	932	932
		RY398-A	2	6	1250	1250	1250
		RY398-A	6	12	1310	1310	1310
24		**RY398-B**	0	2	451	451	451
		RY398-B	2	6	2480	2480	2480
		RY398-B	6	12	1150	1150	1150
25		RY398-E	6	12	66		
26	11	**RY402-A**	0	2	13900	13900	13900
27	12	**RY627-B**	0	2	6700	6700	6700
		RY627-B	2	6	3690	3690	3690
		RY627-B	6	12	1460	1460	1460
28		**RY627-C**	0	2	1270	1270	1270
		RY627-C	2	6	5810	5810	5810
		RY627-C	6	12	2790	2790	2790
29		**RY627-D**	0	2	174	174	174
		RY627-D	2	6	6000	6000	6000
		RY627-D	6	12	1980	1980	1980
30		RY627-E	0	2	117		
		RY627-E	2	6	71.1		
				Minimum	64	174	174
				Maximum	20,400	20,400	13,900
				Average	2,432	3,733	2,822

= moderate concentration (400 to 1,200 ppm lead)

=high concentration (greater than 1,200 ppm lead)

= emergency removal performed by EPA in 2010.

* Sample location is is high category due to arsenic results, not lead results.

** Removed by USFS, not EPA.

All data are CLP laboratory results.

Bold font = high concentration sample location

Table 5-14
Summary of Non-Residential Arsenic Concentrations - High Category
2011 RI Report
Flat Creek/IMM Superfund Site - OU1

Sample Location Index	Property Index	Sample Location	Depth Interval (inches)	Concentrations (ppm) All Locations	Concentrations (ppm) High Locations Only	Concentrations (ppm) Remaining High Concentrations
1	1*	RY098-NSS-A	0 2	125		
		RY098-NSB-A	2 6	151		
		RY098-NSB-A	6 12	131		
2		RY098-NSS-B	0 2	97.3		
3		**RY098-NSS-C**	0 2	59.5		
		RY098-NSB-C	2 6	139		
		RY098-NSB-C	6 12	99.1		
4	2	**RY111-NSB-B**	6 12	439	439	439
5	3	**RY112-NSB-A**	2 6	27.8	27.8	
		RY112-NSB-A	6 12	655	655	
6		RY112-NSS-C	0 2	46		
		RY112-NSB-C	2 6	102		
7		RY112-NSB-E	6 12	74.1		
8	4	**RY115-NSS-A**	0 2	1380	1380	
		RY115-NSB-A	2 6	1210	1210	
		RY115-NSB-A	6 12	754	754	
9		RY115-NSB-D	6 12	38.3		
10		**RY115-NSS-E**	0 2	129	129	
		RY115-NSB-E	2 6	465	465	
		RY115-NSB-E	6 12	287	287	
11	5	RY118-E	6 12	5.4		
12		RY118-G	0 2	6.1		
		RY118-G	2 6	6.1		
13		**RY118-O**	0 2	619	619	
		RY118-O	2 6	172	172	
		RY118-O	6 12	404	404	
14		**RY118-P**	0 2	1750	1750	
		RY118-P	2 6	681	681	
		RY118-P	6 12	3370	3370	
15	6	**RY146-NSB-B**	2 6	40.5	40.5	40.5
		RY146-NSB-B	6 12	425	425	425
16	7*	RY213-NSS-B	0 2	119		
		RY213-NSB-B	2 6	144		
		RY213-NSB-B	6 12	169		
17	8	RY289-NSS-F	0 2	65.3		
		RY289-NSB-F	2 6	287		
18	**	**RY289-NSS-G**	0 2	1340	1340	
	**	**RY289-NSB-G**	2 6	1500	1500	
19		RY289-NSB-I	2 6	19.7		
		RY289-NSB-I	6 12	25		
20	9	RY332-NSS-A	0 2	25.1		
		RY332-NSB-A	2 6	34.6		
21		**RY332-NSB-B**	2 6	64.1		
		RY332-NSB-B	6 12	350		
22		RY332-NSS-D	0 2	22.6		
		RY332-NSB-D	2 6	24		
		RY332-NSB-D	6 12	57.8		
23	10	RY398-A	0 2	53.1		
		RY398-A	2 6	75.3		
		RY398-A	6 12	66.1		
24		**RY398-B**	0 2	50.8	50.8	50.8
		RY398-B	2 6	462	462	462
		RY398-B	6 12	201	201	201
25		RY398-E	6 12	10.4		
26	11**	RY402-A	0 2	65.7		
27	12	**RY627-B**	0 2	2620	2620	2620
		RY627-B	2 6	985	985	985
		RY627-B	6 12	311	311	311
28		**RY627-C**	0 2	269	269	269
		RY627-C	2 6	1240	1240	1240
		RY627-C	6 12	555	555	555
29		**RY627-D**	0 2	34.4	34.4	34.4
		RY627-D	2 6	933	933	933
		RY627-D	6 12	376	376	376
30		RY627-E	0 2	16		
		RY627-E	2 6	11.2		
				Minimum	5.4	28	34
				Maximum	3,370	3,370	2,620
				Average	397	764	596

= moderate concentration (40 to 100 ppm)

=high concentration (greater than 100 ppm)

= emergency removal performed by EPA in 2010.

* Sample location is is high category due to arsenic results, not lead results.

** Removed by USFS, not EPA.

All data are CLP laboratory results.

Bold font = high concetration sample location

Table 5-15
Lead and Arsenic Concentrations for Non-Residential Removals - 2010 TCRA
2011 RI Report
Flat Creek/IMM Superfund Site - OU1

Property Index	Sampling Location Index	Sample Location	Depth Interval (inches)		Description	Arsenic Concentration (ppm)	Lead Concentration (ppm)
1	1	RY112-NSB-A	2	6	former track	27.8	190
		RY112-NSB-A	6	12	former track	655	4,740
2	2	RY115-NSS-A	0	2	main pen	1,380	13,300
		RY115-NSB-A	2	6	main pen	1,210	6,690
		RY115-NSB-A	6	12	main pen	754	20,400
	3	RY115-NSS-E	0	2	pole barn	129	706
		RY115-NSB-E	2	6	pole barn	465	2,930
		RY115-NSB-E	6	12	pole barn	287	873
3	4	RY118-O	0	2	hospital	619	3,430
		RY118-O	2	6	hospital	172	913
		RY118-O	6	12	hospital	404	1,180
	5	RY118-P	0	2	hospital	1,750	13,800
		RY118-P	2	6	hospital	681	3,250
		RY118-P	6	12	hospital	3,370	5,740
4	6	RY332-NSB-B	2	6	vacant lot	64	633
		RY332-NSB-B	6	12	vacant lot	350	4,150
					Minimum	**28**	**190**
					Maximum	**3,370**	**20,400**
					Average	**940**	**6,162**

= moderate (40 to 100 ppm arsenic or 400 to 1,200 ppm lead)

=high (>100 ppm ppm aresenic or >1,200 ppm lead)

All data are CLP laboratory results.

RY289-G was removed by USFS and is not included on this table

Table 7-1
COPC Selection
2011 Focused RI Report
Flat Creek/IMM Superfund Site - OU1

Analyte	Number of Samples	Detects	Detection Frequency	Cmax (ppm)	RBC (ppm)	Detection Frequency greater than 5 percent?	Cmax > RBC?	COPC?
Aluminum	306	306	100%	2.3E+04	3.1E+05	YES	no	no
Antimony	286	168	59%	1.1E+03	1.3E+02	YES	YES	YES
Arsenic	306	306	100%	7.9E+02	5.0E-01	YES	YES	YES
Barium	306	306	100%	1.1E+03	5.9E+04	YES	no	no
Beryllium	306	281	92%	7.5E-01	1.4E+03	YES	no	no
Cadmium	306	267	87%	5.0E+01	1.8E+03	YES	no	no
Calcium	306	306	100%	3.3E+04	4.6E+07	YES	no	no
Chromium	306	306	100%	1.4E+02	9.6E+02	YES	no	no
Cobalt	306	306	100%	1.6E+01	3.7E+02	YES	no	no
Copper	306	306	100%	1.2E+03	1.3E+04	YES	no	no
Iron	305	305	100%	4.9E+04	2.3E+05	YES	no	no
Lead	306	306	100%	7.2E+03	4.0E+02	YES	YES	YES
Magnesium	306	306	100%	7.9E+03	1.8E+07	YES	no	no
Manganese	306	306	100%	2.9E+03	2.7E+04	YES	no	no
Nickel	306	306	100%	1.5E+01	1.3E+04	YES	no	no
Potassium	306	306	100%	3.0E+03	1.6E+08	YES	no	no
Selenium	306	115	38%	5.4E+00	1.6E+03	YES	no	no
Silver	306	97	32%	5.0E+02	1.6E+03	YES	no	no
Sodium	306	224	73%	1.1E+03	1.1E+08	YES	no	no
Thallium	306	3	1%	2.5E+00	--	no	--	no
Vanadium	306	306	100%	2.1E+01	1.6E+03	YES	no	no
Zinc	306	306	100%	1.4E+04	9.7E+04	YES	no	no

Cmax = Maximum detected concentration
RBC = Risk-based concentration
COPC = Chemical of potential concern

Table 7-2
Residential Exposure Parameters
2011 Focused RI Report
Flat Creek/IMM Superfund Site - OU1

Panel A: Oral Exposure					
		CTE		RME	
Parameter	Units	Value	Notes	Value	Notes
IR (child)	mg/day	100	b	200	a
IR (adult)	mg/day	50	b	100	a
BW (child)	kg	15	b	15	a
BW (adult)	kg	70	b	70	a
EF (child)	days/yr	219	b	350	a
EF (adult)	days/yr	219	b	350	a
ED (child)	yrs	2	b	6	a
ED (adult)	yrs	7	b	24	a
ED (total)	yrs	9	d	30	d
FI (child)	--	1.0	e	1.0	e
FI (adult)	--	0.5	e	0.5	e
HIF (non-cancer)	kg/kg-day	1.06E-06	d	3.11E-06	d
HIF(cancer)	kg/kg-day	1.36E-07	d	1.33E-06	d

Panel B: Inhalation Exposure					
		CTE		RME	
Parameter	Units	Value	Notes	Value	Notes
Dust PEF	m3/kg	1.36E+09	c	1.36E+09	c
	kg/m3	7.35E-10	d	7.35E-10	d
ET (child)	hrs/day	8	e	24	e
ET (adult)	hrs/day	8	e	24	e
EF (child)	days/yr	219	b	350	a
EF (adult)	days/yr	219	b	350	a
ED (child)	yrs	2	b	6	a
ED (adult)	yrs	7	b	24	a
ED (total	yrs	9	d	30	d
TWF (non-cancer)	--	0.200	d	0.959	d
TWF (cancer)	--	0.026	d	0.411	d

CTE = Central tendency exposure
RME = Reasonable maximum exposure
IR = Ingestion rate
BW = Body weight
ET = Exposure time
EF = Exposure duration
ED = Exposure duration
PEF = Particulate emission factor
FI = Fractional intake from contaminated area
HIF = Human exposure factor
TWF = Time-weighting factor

a. EPA 1989
b. EPA 1993
c. EPA 2002a
d. Calculated from parameters shown
e. Assumed value