

Table 1: Representative Experience in *In Situ* Accelerated Aerobic Bioremediation of Petroleum Hydrocarbons (April 2008)

Site #	Site Location	State or Country	Chemicals Treated (maximum concentration- $\mu\text{q/L}$)	Remedial System	Date of installation/ time to cleanup
1	LUST Site, Kenosha	WI	PVOCs (up to 2,300)	EHC-O injection into hot spots	1 month (Closed in 6 months)
2	Feather River	CA	pentachlorophenol	EHC-O and O-SOX	April 2007
3	Confidential	MA	TPH (80 mg/Kg) TPH (13,000)	EHC-O	1 month
4	Confidential	NJ	TPH (10,000) BTEX (1,000)	EHC-O	1 month
5	Tampa	FL	BTEX	EHC-O	June 2006
6	Port Richey	FL	BTEX	EHC-O excavation backfill	April 2006
	Oakland	CA	Industrial facility	EHC-O	April 2006
7	Tillamook	OR	BTEX	EHC-O excavation backfill	Sept 2006
8	Umatilla	OR	BTEX	EHC-O and O-SOX	Sept 2006
9	Charleston	NC	Gasoline related spill. Benzene was the driver at 1,500 $\mu\text{q/L}$.	EHC-O	12 months
10	Rochester	NY	TPH	EHC-O excavation backfill	Oct 2006
11	Bark River	MI	BTEX UST	EHC-O direct injection	
12	Sycamore	IL	VOCs/CVOCs	EHC-O direct injection	Oct 2006
13	Richland	WA	TPH	EHC-O excavation backfill	Dec 2006
15	Callahan	FL	BTEX UST	EHC-O excavation backfill	May 2007
16	Goose Creek	SC	BTEX, MTBE, Naphthalene	EHC-O excavation backfill	Feb 2007
17	Shepherdsville	KY	MEK	EHC-O injected into gravel trenches to intercept migration of recent major surface spill from train derailment.	Feb 2007
18	Lubbock	TX	<ul style="list-style-type: none"> • Benzene 1000; 16 mg/kg • Toluene 250; 160 mg/kg • Ethylbenzene 2600; 75 mg/kg • Total xylenes 800; 339 mg/kg. 	EHC-O excavation backfill	March 2007
19	Denver	CO	Creosote / pentachlorophenol	O-SOX in existing wells for polishing PCP	Feb 2007
20	Pleasant Hill	CA	TPH	O-SOX	Feb 2007
21	Alameda	CA	TPH	O-SOX	March 2007
22	Monroe	LA	BTEX	O-SOX	April 2007
23	Dolomite	AL	Creosote / pentachlorophenol	EHC-O injection	May 2007
24	Bay City	MI	BTEX UST up to just over 100 mg/L in groundwater	EHC-O excavation backfill	May 2007



25	Orlando	FL	BTEX UST	EHC-O excavation backfill	May 2007
26	Huntley	MT	BTEX UST	EHC-O excavation backfill	June 2007
27	Jacksonville	FL	Gasoline UST related spill. Total TPH 5,000 mg/Kg. EHC-O applied at bottom of excavation to treat residual TPH.	EHC-O excavation backfill	May 2007
28	Del Ray	FL	BTEX UST	EHC-O excavation backfill	May 2007
29	Issaquah	WA	TPH-Gx (24,000) COD = 40 mg/L	EHC-O direct injection – plume treatment	July 2007
30	Oakville	ON (Canada)	Toluene, Xylene	EHC-O	Nov 2006
31	Calgary	AB (Canada)	BTEX residual	EHC-O direct injection	Aug 2007
32	Schenectady	NY	BTEX	O-SOX	Aug 2007
33	Louisville	CO	BTEX	O-SOX	Aug 2007
34	Hoosier	SK (Canada)		EHC-O	Nov 2006
35	Hazco, Waterloo	ON (Canada)	PVOCs (20,000)	EHC-O	Ongoing
36	Barrie	ON (Canada)	PVOCs	EHC-O	July 2006
37	Malden	CT	Average: C5-C8 5,186 mg/kg C9-C12 1,630 mg/kg C9-C10 841 mg/kg	EHC-O direct injection into hot-spot	Aug 2007
38	Sorel-Tracy	QC (Canada)		O-SOX	Sept 2007
39	Makati	PHILLIPINES		O-SOX	Sept 2007
40	Santa Paula	CA	BTEX	EHC-O	Oct 2007
41	Jacksonville	FL		EHC-O	Jan 2008
42	Midland	MI	BTEX	EHC-O excavation backfill	May 2007
43	Managua	NICARAGUA	BTEX	EHC-O	Oct 2007
44	Kitchener	ON	BTEX	EHC-O	Sept 2007
46	Wethersfield	CT	TPH (50,000)	EHC-O pilot test	Oct 2007
47	Adelaide	AUSTRALIA	UST, Benzene	EHC-O	Oct 2007
48	Burford	GA	BTEX (1,000)	EHC-O	Oct 2007
49	Lovewell	KS	TPH, GRO/DRO	EHC-O	Oct 2007
50	Niagara Falls	NY		EHC-O pilot test	Nov 2007
51	Forestville	AUSTRALIA	Benzene (10,000)	EHC-O	Oct 2007
52	Brooklyn	NY	TPH (10,000)	EHC-O	Aug 2007
53	Avondale	FL	BTEX (1,000)	EHC-O	June 2007
54		MI		EHC-O excavation backfill	Nov 2007
55	Trafford	PA		EHC-O	Dec 2007
56	Delson	QC (Canada)		EHC-O Soxs	Sept 2007
57	Dagenham	UK	Ammonium	EHC-O	Oct 2007
58	Surrey	UK	BTEX	EHC-O Soxs	Oct 2007
59	Nepean	ON		EHC-O Soxs	Nov 2007
60	Antwerp	BELGIUM		EHC-O	Dec 2007
61	Cinisello	ITALY		EHC-O Soxs	Jan 2008