

# LCCMR Groundwater Contamination Mapping Project

## October 2018 Progress Report

### Data Harvest – 2017-2019

- Phase 1 – Active Superfund sites. Load well information into EQulS.
- Phase 2 – Active Superfund sites. Load groundwater sampling results into EQulS.
- Phase 3 – Select other program groundwater sites. Load well locations and sampling results.

### Mapping Contamination - 2019

- Map areas of groundwater contamination.
- Peer review.

### Publishing - 2020

- Interactive web-based map and supporting data published.

Project in:

**Phase 2 Data Harvest**

Phase 1 Data Harvest - 99% complete

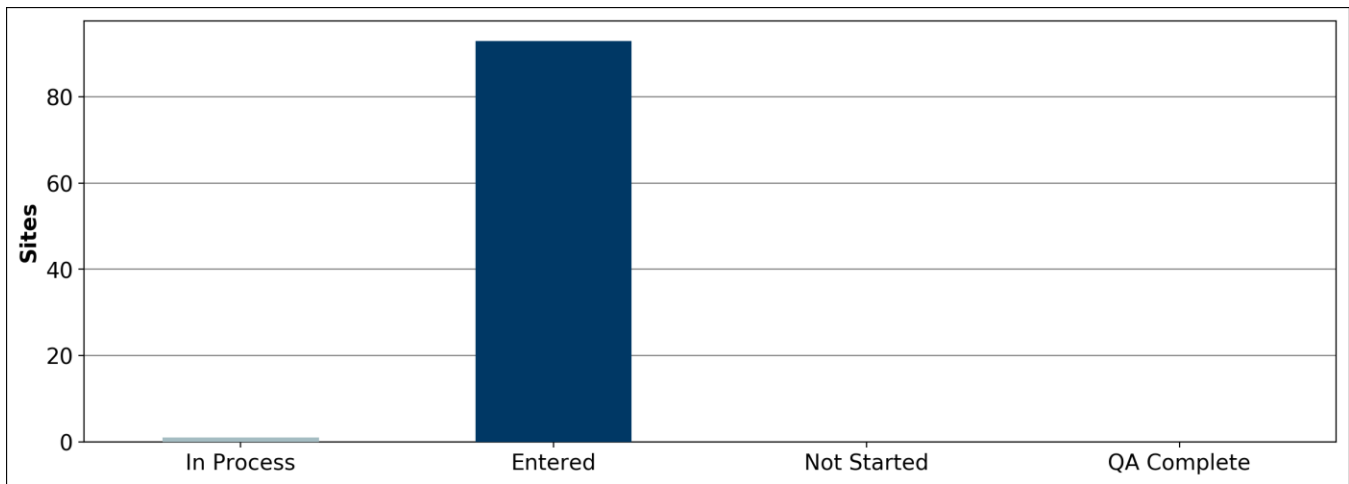
Phase 2 Data Harvest - 3% complete

### Total Number of Wells in EQulS

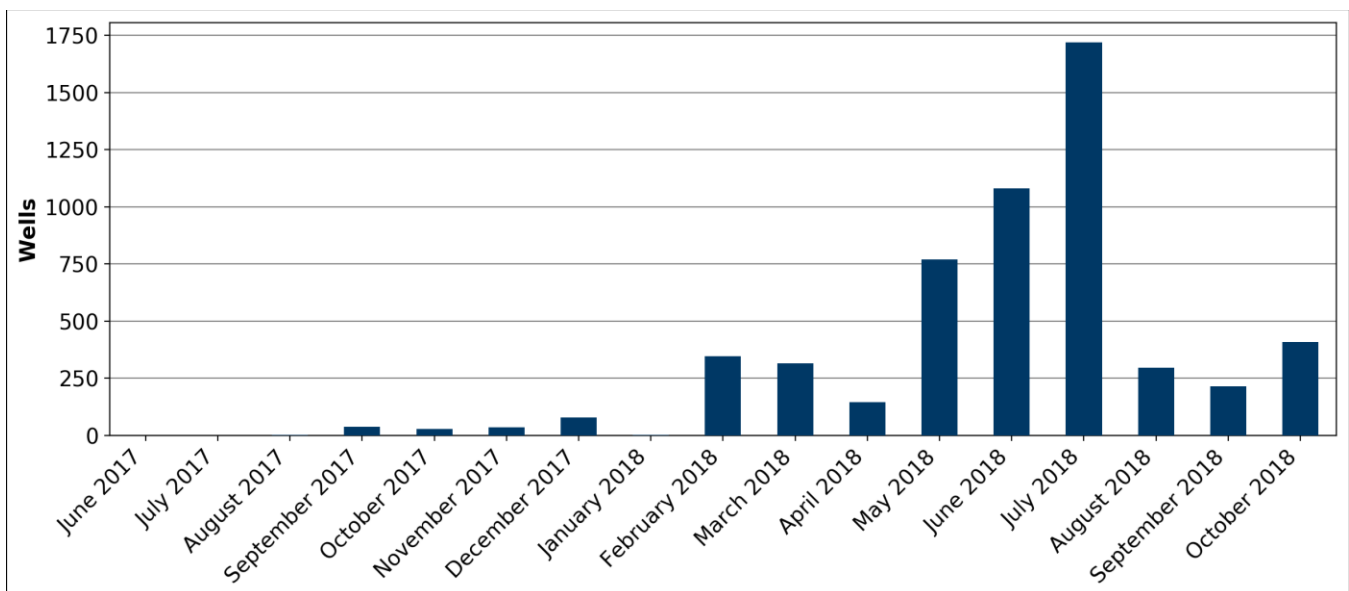
9482 permanent wells

2199 temporary wells

## Well Location Entry Status of Active Superfund Sites



## Number of Wells Worked on in EQulS



Facility Code	Facility Name	Location Status	Permanent Wells	Temporary Wells	Total Wells
SR0000001	Joslyn Mfg. & Supply Co.OU1	Entered	71	13	84
SR0000003	General Mills	Entered	143	91	234
SR0000004	Boise Cascade/Onan/Medtronics	Entered	25	7	32
SR0000008	St. Regis Paper OU 1	Entered	116	0	116
SR0000016	Burlington Northern Tie Plant	Entered	40	0	40
SR0000017	Burlington Northern Car Shops (Brainerd)	Entered	20	16	36
SR0000018	Honeywell Inc. - Golden Valley Plant	Entered	223	17	240
SR0000025	Tonka Main Plant	Entered	43	0	43
SR0000029	FMC	Entered	94	87	181
SR0000033	3M Chemolite / Cottage Grove	Entered	40	0	40
SR0000034	Bell Lumber & Pole Co	Entered	24	0	24
SR0000035	Waite Park Wells	Entered	15	0	15
SR0000039	Ritari Post & Pole	Entered	41	0	41
SR0000040	Long Prairie Groundwater Contamination	Entered	53	0	53
SR0000044	Valentine Clark Corp	Entered	32	3	35
SR0000055	Oakdale Dump Sites	Entered	111	0	111
SR0000056	Perham Arsenic	Entered	38	41	79
SR0000058	Boise Cascade Paint Waste Dump	Entered	10	38	48
SR0000060	Reilly Tar & Chemical Saint Louis Park	Entered	300	12	312
SR0000063	Isanti Schumacher	Entered	16	0	16
SR0000067	Arrowhead Refinery Co.	Entered	56	1	57
SR0000072	NIROP OU1	Entered	181	277	458
SR0000073	Twin Cities AFRB	Entered	13	0	13
SR0000084	Baytown Twp Groundwater Cont	Entered	759	11	770
SR0000087	Cedar Services	In Process	0	0	0
SR0000093	Duluth City Dump Former	Entered	36	0	36
SR0000095	Duluth Air Force Base OU1	Entered	424	162	586
SR0000098	Freeway Sanitary Landfill	Entered	48	1	49
SR0000099	Old Freeway Dump	Entered	25	0	25
SR0000107	Pollution Controls Inc. (aka PCI) (SF)	Entered	23	23	46
SR0000112	Brooklyn Park Dump (SF)	Entered	50	0	50
SR0000117	Pigs Eye Landfill	Entered	57	0	57
SR0000122	Highway 96 Dump	Entered	202	0	202
SR0000131	Superior Plating Inc (SF)	Entered	16	56	72
SR0000136	Electric Machinery	Entered	53	0	53
SR0000145	Lakeland Ground Water Contamination	Entered	224	0	224
SR0000149	St. Louis/Interlake/Duluth/Tar Site - OU Sed (Sedi	Entered	73	20	93
SR0000175	Schloff Chemical	Entered	57	9	66
SR0000176	Mankato Plating Co	Entered	28	0	28
SR0000177	MIBCO Site	Entered	69	0	69
SR0000179	West Duluth Industrial Site	Entered	15	16	31
SR0000181	Winona GW Contamination	Entered	63	0	63
SR0000192	Pine Street Dump (SF)	Entered	52	20	72
SR0000198	St Paul Levee Property	Entered	0	0	0
SR0000199	Littlefork GW Contamination Site	Entered	64	0	64
SR0000200	MacGillis and Gibbs Waste Site	Entered	136	37	173
SR0000205	Former Finland Air Force Station	Entered	71	1	72
SR0000206	Pilgrim Cleaners	Entered	9	0	9
SR0000249	Precision Plating, Inc. (SF)	Entered	24	75	99
SR0000264	D's Fabric Care (SF)	Entered	12	18	30
SR0000276	St. Louis River/US Steel Site Wide	Entered	63	78	141

<b>SR0000278</b>	Ashland Oil - Park Penta	Entered	27	0	27
<b>SR0000279</b>	Minnegasco OU2 Ground Water	Entered	85	0	85
<b>SR0000313</b>	TCAAP General	Entered	603	0	603
<b>SR0000329</b>	Farmington Ground Water Plume	Entered	42	0	42
<b>SR0000348</b>	CMC Heartland Lite Yard	Entered	18	0	18
<b>SR0000349</b>	Kettle River Company - Creosote	Entered	43	0	43
<b>SR0000350</b>	Peter Pan	Entered	2	81	83
<b>SR0000351</b>	Reserve Mining Silver Bay Scrapyard & DRO Plume	Entered	25	28	53
<b>SR0000357</b>	SW Fridley Area Wide Groundwater Survey	Entered	398	544	942
<b>SR0000358</b>	Edina Well Field Site	Entered	136	30	166
<b>SR0000359</b>	Rochester Groundwater Plume	Entered	35	0	35
<b>SR0000360</b>	Minnesota Valley Landfill	Entered	5	34	39
<b>SR0000361</b>	Hibbing Gas Manufacturing Plant Site	Entered	13	53	66
<b>SR0000369</b>	Esko Groundwater Contamination Site	Entered	59	94	153
<b>SR0000372</b>	Capri Beauty Salon	Entered	7	73	80
<b>SR0000373</b>	Hmong Shopping Center/Pilgrim Cleaners	Entered	7	0	7
<b>SR0000375</b>	Southview Boulevard	Entered	130	5	135
<b>SR0000376</b>	Fish Hatchery Dump	Entered	16	35	51
<b>SR0000377</b>	St. Louis Park Solvent Plume	Entered	113	130	243
<b>SR0000378</b>	Brainerd Foundry (SR)	Entered	3	0	3
<b>SR0000379</b>	Centerville Road Dump	Entered	29	1	30
<b>SR0000381</b>	Bulinski Point - Wittrup	Entered	6	0	6
<b>SR0000382</b>	Rice County Dump	Entered	19	0	19
<b>SR0001009</b>	Chemical Marketing Corp Of America	Entered	4	0	4
<b>SR0001051</b>	Cedar Serv Inc	Entered	36	0	36
<b>SR0001273</b>	Poplar Hill Solvent Site	Entered	5	13	18
<b>SR0001281</b>	Main Street Solvent Plume	Entered	5	0	5
<b>SR0001293</b>	White Way Cleaners	Entered	22	4	26
<b>SR0001339</b>	Exclusive Cleaners Worthington	Entered	11	18	29
<b>SR0001349</b>	Spring Park Municipal Wells	Entered	37	65	102
<b>SR0001351</b>	Ace Signs, Inc (SF)	Entered	0	0	0
<b>SR0001353</b>	Clothing Care Cleaners (SF)	Entered	14	0	14
<b>SR0001354</b>	Page & Hill (SF)	Entered	17	0	17
<b>SR0001398</b>	Universal Plating	Entered	0	0	0
<b>SR0001400</b>	66th St & Vincent Ave	Entered	25	25	50
<b>SR0001401</b>	Southeast Hennepin Area Groundwater & Vapor Site	Entered	21	50	71
<b>SR0001402</b>	Lyndale Ave Corridor	Entered	87	10	97
<b>SR0001403</b>	Arcade & Hawthorne Ave E	Entered	3	10	13
<b>SR0001404</b>	55th St & Lyndale Ave S	Entered	0	0	0
<b>SR0001405</b>	University Ave & Pascal St	Entered	24	67	91
<b>SR0001406</b>	Hospital Linen	Entered	0	0	0
<b>SR0001412</b>	Former Pure Oil Company	Entered	6	5	11
<b>SR0001503</b>	West Broadway Ground Water Contamination	Entered	31	8	39
<b>Total</b>			6527	2513	9040

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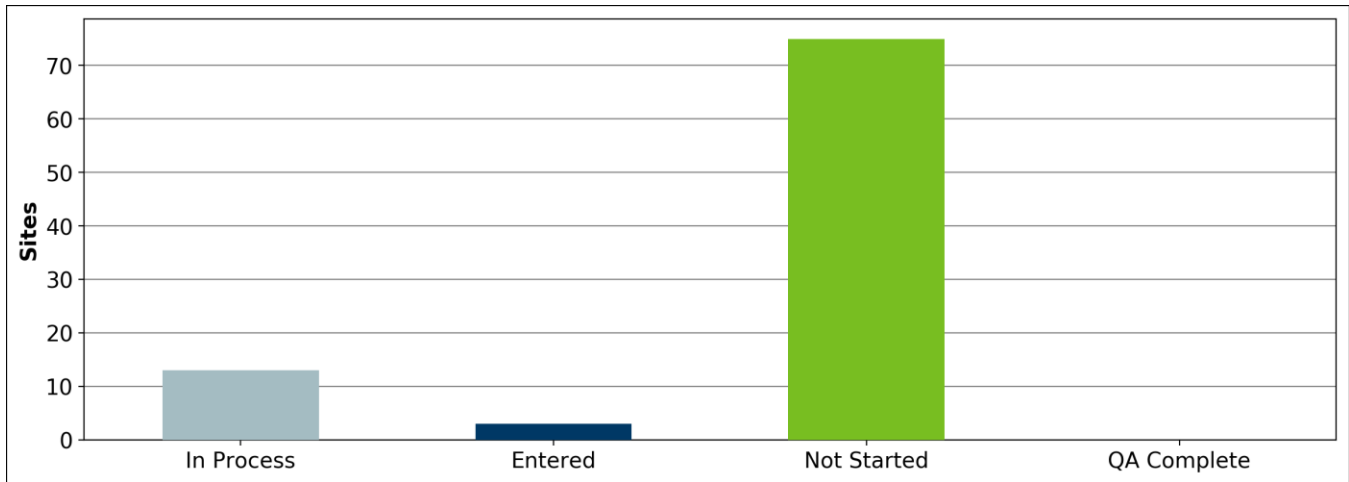
Phase 2 Data Harvest - 3% complete

### Total Number of Samples in EQulS

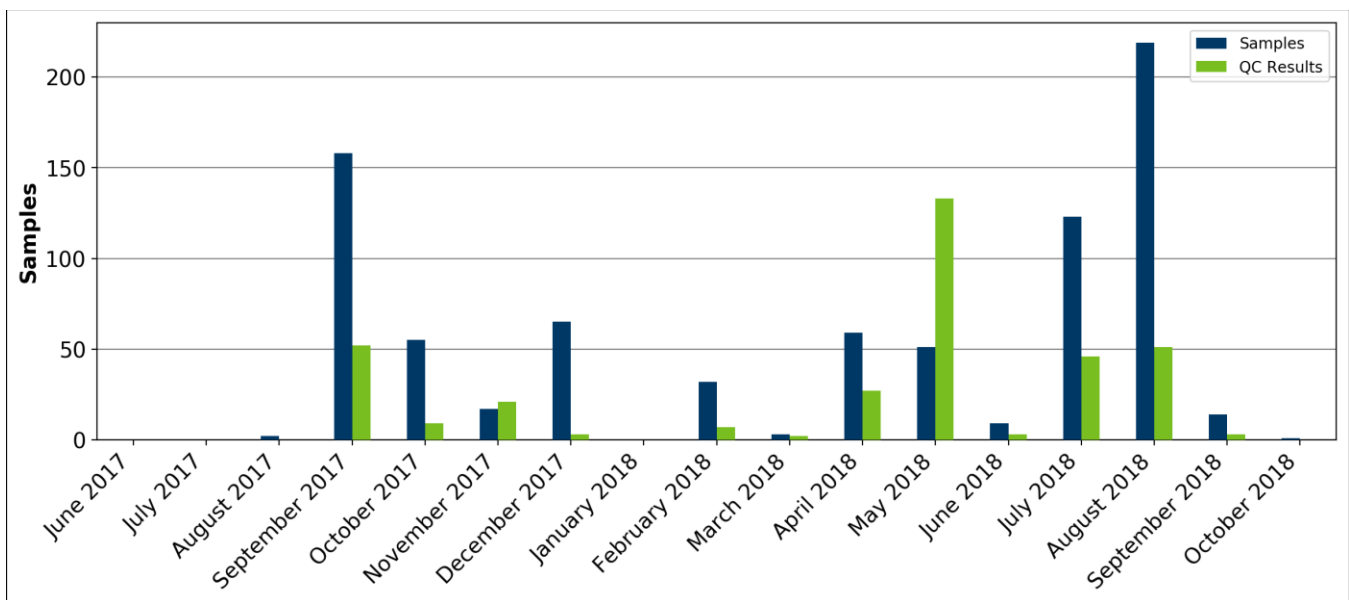
5242 samples

1162 QC samples

## Sample Entry Status of Active Superfund Sites



## Number of Samples Loaded in EQulS



Facility Code	Facility Name	Status	Sample Count	QC Count	Percent of Locations with Samples
SR000001	Joslyn Mfg. & Supply Co.OU1	Not Started	0	0	0%
SR000003	General Mills	Not Started	0	0	0%
SR000004	Boise Cascade/Onan/Medtronics	Not Started	0	0	0%
SR000008	St. Regis Paper OU 1	Not Started	0	0	0%
SR000016	Burlington Northern Tie Plant	Not Started	0	0	0%
SR000017	Burlington Northern Car Shops (Brainerd)	Not Started	0	0	0%
SR000018	Honeywell Inc. - Golden Valley Plant	Not Started	0	0	0%
SR000025	Tonka Main Plant	Not Started	0	0	0%
SR000029	FMC	In Process	0	0	0%
SR000033	3M Chemolite / Cottage Grove	In Process	55	102	100%
SR000034	Bell Lumber & Pole Co	Not Started	0	0	0%
SR000035	Waite Park Wells	Not Started	0	0	0%
SR000039	Ritari Post & Pole	Not Started	0	0	0%
SR000040	Long Prairie Groundwater Contamination	Not Started	0	0	0%
SR000044	Valentine Clark Corp	Not Started	0	0	0%
SR000055	Oakdale Dump Sites	In Process	0	0	0%
SR000056	Perham Arsenic	In Process	104	24	68%
SR000058	Boise Cascade Paint Waste Dump	Not Started	0	0	0%
SR000060	Reilly Tar & Chemical Saint Louis Park	In Process	2804	464	34%
SR000063	Isanti Schumacher	Not Started	0	0	0%
SR000067	Arrowhead Refinery Co.	Not Started	0	0	0%
SR000072	NIROP OU1	Not Started	0	0	0%
SR000073	Twin Cities AFRB	Not Started	0	0	0%
SR000084	Baytown Twp Groundwater Cont	Entered	1169	29	55%
SR000087	Cedar Services	Not Started	0	0	0%
SR000093	Duluth City Dump Former	Not Started	0	0	0%
SR000095	Duluth Air Force Base OU1	In Process	61	73	9%
SR000098	Freeway Sanitary Landfill	Not Started	0	0	0%
SR000099	Old Freeway Dump	Not Started	0	0	0%
SR000107	Pollution Controls Inc. (aka PCI) (SF)	Not Started	0	0	0%
SR000112	Brooklyn Park Dump (SF)	Not Started	0	0	0%
SR000117	Pigs Eye Landfill	In Process	177	282	82%
SR000122	Highway 96 Dump	Not Started	0	0	0%
SR000131	Superior Plating Inc (SF)	Not Started	37	41	81%
SR000136	Electric Machinery	Not Started	0	0	0%
SR000145	Lakeland Ground Water Contamination	In Process	4	0	1%
SR000149	St. Louis/Interlake/Duluth/Tar Site - OU Sed (Sedi	Not Started	0	0	0%
SR000175	Schloff Chemical	Not Started	0	0	0%
SR000176	Mankato Plating Co	Not Started	0	0	0%
SR000177	MIBCO Site	Not Started	0	0	0%
SR000179	West Duluth Industrial Site	Not Started	0	0	0%
SR000181	Winona GW Contamination	Not Started	0	0	0%
SR000192	Pine Street Dump (SF)	Not Started	0	0	0%
SR000198	St Paul Levee Property	Not Started	0	0	0%
SR000199	Littlefork GW Contamination Site	Not Started	0	0	0%
SR000200	MacGillis and Gibbs Waste Site	Not Started	0	0	0%
SR000205	Former Finland Air Force Station	Not Started	0	0	0%

<b>SR0000206</b>	Pilgrim Cleaners	Not Started	1	0	11%
<b>SR0000249</b>	Precision Plating, Inc. (SF)	Not Started	0	0	0%
<b>SR0000264</b>	D's Fabric Care (SF)	Not Started	0	0	0%
<b>SR0000276</b>	St. Louis River/US Steel Site Wide	In Process	4	0	4%
<b>SR0000278</b>	Ashland Oil - Park Penta	Not Started	0	0	0%
<b>SR0000279</b>	Minnegasco OU2 Ground Water	Not Started	0	0	0%
<b>SR0000313</b>	TCAAP General		0	0	0%
<b>SR0000329</b>	Farmington Ground Water Plume	In Process	18	3	19%
<b>SR0000348</b>	CMC Heartland Lite Yard	Not Started	0	0	0%
<b>SR0000349</b>	Kettle River Company - Creosote	Entered	145	0	76%
<b>SR0000350</b>	Peter Pan	Not Started	0	0	0%
<b>SR0000351</b>	Reserve Mining Silver Bay Scrapyard & DRO Plume	Not Started	19	3	44%
<b>SR0000357</b>	SW Fridley Area Wide Groundwater Survey	Not Started	0	0	0%
<b>SR0000358</b>	Edina Well Field Site	Not Started	0	0	0%
<b>SR0000359</b>	Rochester Groundwater Plume	Not Started	95	17	71%
<b>SR0000360</b>	Minnesota Valley Landfill	Not Started	0	0	0%
<b>SR0000361</b>	Hibbing Gas Manufacturing Plant Site	Not Started	0	0	0%
<b>SR0000369</b>	Esko Groundwater Contamination Site	Not Started	14	1	11%
<b>SR0000372</b>	Capri Beauty Salon	Not Started	0	0	0%
<b>SR0000373</b>	Hmong Shopping Center/Pilgrim Cleaners	In Process	7	3	71%
<b>SR0000375</b>	Southview Boulevard	Not Started	0	0	0%
<b>SR0000376</b>	Fish Hatchery Dump	In Process	9	6	37%
<b>SR0000377</b>	St. Louis Park Solvent Plume	Entered	491	112	72%
<b>SR0000378</b>	Brainerd Foundry (SR)	Not Started	0	0	0%
<b>SR0000379</b>	Centerville Road Dump	In Process	10	0	20%
<b>SR0000381</b>	Bulinski Point - Wittrup	Not Started	0	0	0%
<b>SR0000382</b>	Rice County Dump	Not Started	11	1	31%
<b>SR0001009</b>	Chemical Marketing Corp Of America	Not Started	0	0	0%
<b>SR0001051</b>	Cedar Serv Inc	Not Started	0	0	0%
<b>SR0001273</b>	Poplar Hill Solvent Site	Not Started	0	0	0%
<b>SR0001281</b>	Main Street Solvent Plume	Not Started	0	0	0%
<b>SR0001293</b>	White Way Cleaners	Not Started	0	0	0%
<b>SR0001339</b>	Exclusive Cleaners Worthington	Not Started	0	0	0%
<b>SR0001349</b>	Spring Park Municipal Wells	Not Started	3	0	8%
<b>SR0001351</b>	Ace Signs, Inc (SF)	Not Started	0	0	0%
<b>SR0001353</b>	Clothing Care Cleaners (SF)	Not Started	0	0	0%
<b>SR0001354</b>	Page & Hill (SF)	Not Started	0	0	0%
<b>SR0001398</b>	Universal Plating	Not Started	4	1	57%
<b>SR0001400</b>	66th St & Vincent Ave	Not Started	0	0	0%
<b>SR0001401</b>	Southeast Hennepin Area Groundwater & Vapor Site	Not Started	0	0	0%
<b>SR0001402</b>	Lyndale Ave Corridor	Not Started	0	0	0%
<b>SR0001403</b>	Arcade & Hawthorne Ave E	Not Started	0	0	0%
<b>SR0001404</b>	55th St & Lyndale Ave S	Not Started	0	0	0%
<b>SR0001405</b>	University Ave & Pascal St	Not Started	0	0	0%
<b>SR0001406</b>	Hospital Linen	Not Started	0	0	0%
<b>SR0001412</b>	Former Pure Oil Company	Not Started	0	0	0%
<b>SR0001503</b>	West Broadway Ground Water Contamination	Not Started	0	0	0%
<b>Total</b>			5242	1162	20%