



**TABLE 1 - Listing of Groundwater Circulation Well (mGCW) System Designs and Applications that involved staff now at Adventus – December 2009**

Site Number	Site Location	Type of Chemical Treated	Type of GCW System	Number of Systems	Involvement of Staff now at Adventus*
1	Michigan	CHC	UVB 200	1	Design, Installation, O&M
2	New York	Landfill leachate; CHC	UVB 400 bioreactor	1	Design, Installation, O&M
3	South Carolina	BTEX, MTBE	UVB	1	Design, Installation, O&M
4	California	BTEX, MTBE	UVB 200/400	4	Design, Installation, O&M
5	Tennessee	CHC	UVB-250	1	Design
6	Florida	Creosote DNAPL	mGCW bioreactor	1	Design, Installation, O&M
7	Maryland	Various	Mesocosm	1	Design, Installation, O&M
8	Florida	CHC	UVB-250	2	Design
9	New York	BTEX	UVB labyrinth	1	Design
10	Massachusetts	CHC	UVB labyrinth	4	Design, Installation, Reporting
11	Florida	CHC	UVB	2	Design
12	Maryland	CHC	mGCW	2	Design, Installation, O&M
13	Florida	CHC	UVB labyrinth	2	Design, Installation, O&M
14	New Hampshire	Creosote DNAPL	GZB DNAPL	2	Design, Installation, O&M
15	Arkansas	Creosote DNAPL	GZB DNAPL	4	Design, Installation, O&M
16	California	BTEX	UVB	1	Design, Installation, O&M
17	Nevada	BTEX	UVB/CGC	5	Design
18	Florida	CHC	UVB labyrinth	1	Design
19	Pennsylvania	CHC DNAPL	GZB DNAPL	1	Design
20	Colorado	Creosote	DDC	2	Data interpretation
21	Connecticut	CHC	DDC	10	Design, Installation, O&M
22	North Carolina	CHC	UVB/CGC	2	Design, Installation, O&M
23	Nebraska	CHC	UVB	1	Design, Installation, O&M
24	California	CHC	NoVOCs	1	Re-design, Data interpretation, O&M
25	South Carolina	Creosote DNAPL	GZB DNAPL	2	Design
26	Wisconsin	CHC	K-Sparge	2	Design, Installation, O&M
27	New York	CHC, metals	mGCW	4	Design, Installation, O&M
28	Nevada	CHC	UVB	2	Design, Installation, O&M
29	Rhode Island	CHC	UVB	2	Design
30	New Jersey	CHC	UVB	2	Design
31	Wyoming	CHC/BTEX	UVB/DDC/CGC	7	Design
32	Maryland	PCA, TCA, CHCs	mGCW	2	Design, Installation, O&M
33	Washington	CHC	UVB	2	Design, Installation, O&M
34	Denmark	Gasoline, Diesel	UVB/CGC	6	Design, Installation, O&M
35	Arizona	CHC	UVB	3	Design, Installation, O&M
36	Washington	CHC	UVB	1	Design, Installation
37	Nebraska	RDX, TCE	mGCW	2	Pilot Design, Installation, O&M
38	Texas	CHC	UVB/CGC	2	Design, Installation
39	Wyoming	BTEX	UVB/DDC/CGC	17	Design, Installation, O&M
40	Colorado	Creosote, PCP	Reactive Wall	3	Design, Installation, O&M
41	Alabama	CHC	UVB	1	Design, Installation, O&M
42	Wisconsin	PCP	CGC	1	Design, Installation, O&M
43	Kentucky	CHC	UVB	1	Pilot Design, Installation, O&M
44	Vancouver, Canada	pH control	UVB	1	Pilot Design, Installation, O&M
45	Alaska	BTEX	UVB	4	Design
46	Netherlands	CHC	UVB/K-Sparge	3	Design

47	Minnesota	PCP, Diesel Fuel	mGCW	1	Pilot Design, Installation, O&M
48	Alabama	Creosote DNAPL	GZB DNAPL	2	Pilot Design, Installation, Testing
49	Indiana	CHC	UVB/DDC	1	Design, Installation, Testing, O&M
50	Utah	BTEX	UVB	1	Pilot Design, Installation, Testing
51	Florida	Arsenic	mGCW	1	Pilot Design
52	Illinois	MGP Site	mGCW	1	Pilot Design
53	Europe	Acetone, CHC	GCW	6	Pilot Design, Installation, Testing
54	Europe	Acetone, CHC	GCW	5	Pilot Design, Installation, Testing
55	California	CHC	GCW	1	Pilot Design, Installation, Testing
56	Oregon	CHC	mGCW	17	Pilot Design, Installation, Testing
57	New York	CHC	mGCW	3	Review Design and performance
58	Indiana	CHC	mGCW	1	Pilot Design, Installation, Testing
59	Italy	CHC	mGCW-R	1	Pilot Design, Installation, Testing
60	Taiwan	CHC	mGCW	1	Pilot Design, Installation, Testing
61	New York	CHC	UVB	7	Design
62	Wisconsin	CHC	mGCW	3	Design
63	Wisconsin	CHC	mGCW	4	Design
64	California	CHC + chromium	mGCW-R	1	Design
65	California	CHC	mGCW	9	Design
66	Brazil	CHC in rock	mGCW	1	Design
67	Wisconsin	CHC	mGCW	1	Design
68	Taiwan	CHC	mGCW	7	Design, Installation, Testing
69	Canada	CHC	mGCW	1	Design
70	Maryland	CHC + heavy metals	mGCW-R	6	Design
71	Iowa	CHC	mGCW	2	Design
72	Maryland	CHC	mGCW	4	Design
73	Israel	CHC and others	mGCW	8	Design
74	Ohio	CHC and BTEX	mGCW	6	Design
75	Michigan	CHC	CGC	1	Design
76	Indiana	CHC	mGCW	1	Design
77	California	CHC	mGCW	7	Design
78	West Virginia	CHC + BTEX	mGCW	7	Design
79	California	CHC + heavy metals	mGCW	2	Design
80	New York	CHC	mGCW-R thermal	1	Design
81	Wisconsin	MGP	mGCW-R	2	Design
82	Oregon	CHC	mGCW-R (EHC)	3	Design
83	Minnesota	PCP, VOCs	mGCW	1	Design
84	Israel	BTEX	mGCW	2	Installed
85	California	CHCs	mGCW	5	Design
86	Saudi Arabia	NH4, VOCs	mGCW	5	Design
87	Florida	CHC	mGCW	2	Design
88	Wyoming	cVOCs	mGCW	2	Designed and installed two systems for pilot testing
89	Argentina	cVOCs	mGCW	12	Design

THIS REFLECTS EXPERIENCE OF STAFF NOW AT ADVENTUS. ADVENTUS WAS FORMED IN 2003. MANY OF THESE PROJECTS WERE COMPLETED FOR PREVIOUS EMPLOYERS.

UVB type system is EG Design, mGCW system is Adventus Design

CHC = chlorinated hydrocarbons (PCE, TCE, DCE, DCA, VC, CT, CF, etc.)