

Early Commercial Use in Single Wells - 16 Site Study

Single Well Applications at 16 Sites Nationwide - Monitoring Site Program:

REGENESIS partnered with sixteen of its earliest clients to collect data to evaluate the results of ORC's application. Over 41 wells treated with ORC filter socks were studied.

In this program, dissolved oxygen (DO) and BTEX readings were taken prior to ORC installation to establish a baseline. Samples were taken frequently to measure ORC's effect. As shown below, the use of ORC significantly increased DO levels- two-thirds of the readings were between 20 and 30 ppm. BTEX dropped between 80 and 100 percent in 75% of the wells as shown. Figure 1 presents the cumulative increase in DO and decrease in BTEX on all sites and all data may be found in the concluding table.

Figure 2 presents the entire data set summary for individual wells. Detailed data from each site are available upon request.

Figure 1.

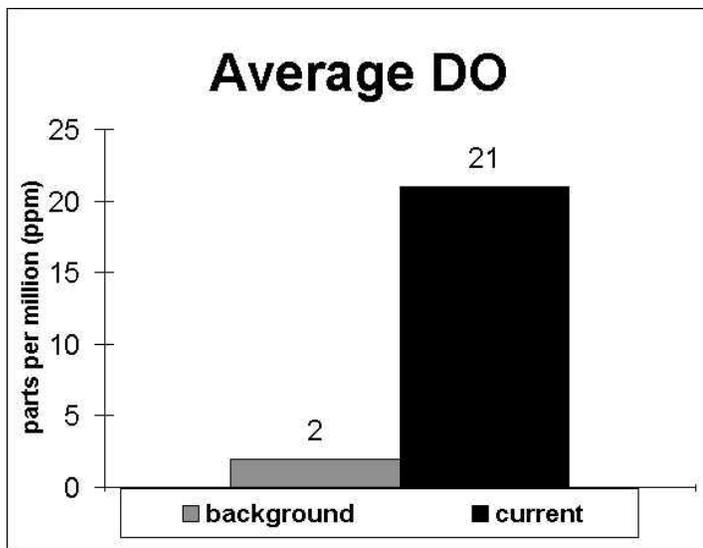
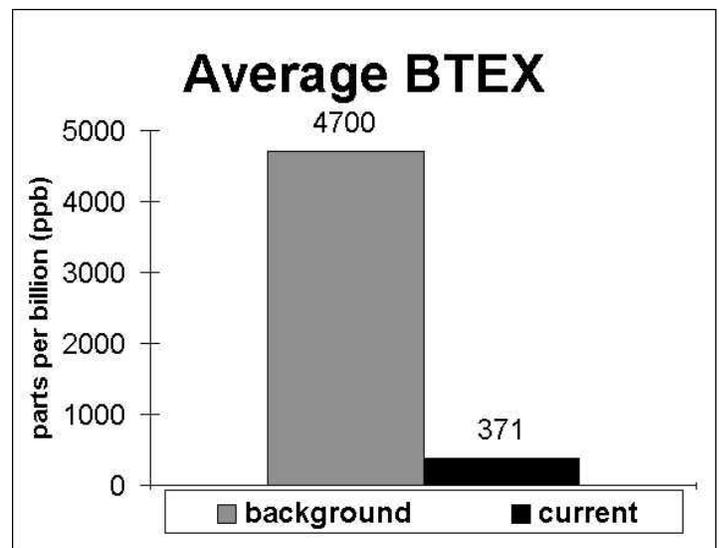


Figure 2.



Well #	E&C Firm	Initial BTEX (ppb)	Percent Reduction	Weeks	Initial Oxygen (ppm)	High Reading (ppm)
	ATEC (MI)					
1	Site 1	19,980	98%	7	2.7	29
2		54	91%	7	2	29
3		2,929	98%	7	2	24
4	Site 2	151	81%	7	4.7	31
5		137	95%	7	0.9	31
6		1	0%	7	2.6	18
7	Site 3	649	96%	7	2.8	19
	Confidential (MI)					
8		492	24%	8	2.6	21
9		3,331	94%	8	2	15
10		1,287	100%	8	1	17
	Confidential (WY)					
11		5,494	100%	8	1.1	7.8
	Enecotech (MI)					
12	Site 1	34,960	88%	8	1.8	24
13		406	95%	8	1.2	29
14	Site 2	964	97%	8	0.8	27
15		14		8	6	32
16		47,600	100%	8	6	32
17		6,610	100%	8	1.8	28
18		1,115	100%	8	1.4	24
19		1,136	98%	8	7.4	28
20		21	99%	8	0.6	15
21	Site 3	5,800	100%	8	0.6	23
22		253	100%	8	0	33
23		8,030	100%	8	0	23
24			99%	8	2	22
	ESE (CA)	8,510				
25		142	99%	8	0	26
26			89%	8	2	22
	Frey (CA)					
27		4,130	100%	8	0.2	24
28		1,480	100%	8	0.2	13

Well #	E&C Firm	Initial BTEX (ppb)	Percent Reduction	Weeks	Initial Oxygen (ppm)	High Reading (ppm)
	Geraghty & Miller (OK)					
29	Site 1	1,260	96%	10	0.1	21
30		2,276	71%	10	0.1	11
31	Site 2	8,980	23%	12	0.8	17
	Parsons (MI)					
32	Site 1	1,168	77%	8	2.9	9.3
33		118	86%	8	4	6.5
34		4		8	4	20
35	Site 2	406	98%	8	5	20
36		300	91%	8	5.2	20
37		497	49%	8	6	20
	Parsons (OH)					
38	Site 1	13	39%	8	0.2	25
39		180	95%	8	0.2	20
40	Site 2	127		8	5	8
41		2,018	86	8	0.3	22