

CONTAMINANT LIST

The following test results were conducted by a qualified independent laboratory or government facility and are specific examples of the patented Electro Coagulation (EC) process. The listed "Removal Rate" indicates the percentage each contaminant was removed from water to an oxidized non-hazardous residue. Therein, the residue can be buried without harm to the ecosystem.

Metals, Ions, Solids, Hardness, and Turbidity

Contaminant	Before mg/l	After mg/l	Removal Rate (%)	Contaminant	Before mg/l	After mg/l	Removal Rate (%)
Aldrin	0.0630	0.0010	98.40	Mercury	0.7200	<0.00	98.45
Aluminum	224.0000	0.6900	99.69	Molybdenum	0.3500	0.029	91.71
Ammonia	49.0000	19.400	60.41	MP-Xylene	41	0.057	99.86
Arsenic	0.0760	<0.002	97.12	MTBE	21	0.046	99.79
Barium	0.0145	<0.001	93.10	Nickel	183.00	0.070	99.96
Benzene	90.1000	0.3590	99.60	Nitrate	11.700	2.600	77.78
BOD5	1050.000	14.000	98.67	Nitrite	21.000	12.00	42.86
Boron	4.8600	1.4100	70.98	Nitrogen TKN	1118.8	59.08	94.72
Cadmium	0.1252	<0.004	96.81	NTU	35.380	0.320	99.10
Calcium	1321.000	21.400	98.40	O-Xylene	191.00	0.416	99.78
Chlorieviphos	5.8700	0.0300	99.50	PCB	0.0007	<0.00	85.71
Chromium	139.0000	<0.100	99.92	Petroleum	72.500	<0.20	99.72
Cobalt	0.1238	0.0214	82.71	Phosphate	28.000	0.200	99.28
Copper	0.7984	<0.002 0	99.75	Phosphorus	158.75 0	<10.0 00	99.93
Cyanide (Free)	723.0000	<0.020	99.99	Platinum	4.400	0.680	84.55
Cypermethrin	1.3000	0.0700	94.60	Potassium	200.00	110.0	45.00
DDT	0.2610	0.0020	99.20	Propetamphos	80.870	0.360	99.60
Diazinon	34.0000	0.210	99.40	Selenium	68.000	38.00	44.00
Ethyl Benzene	428.000	0.372	99.91	Silicon	21.070	0.100	99.50
Fluoride	1.1000	0.415	62.27	Sulfate	104.00	68.00	34.61
Gold	5.7200	1.380	75.87	Silver	0.0081	0.000	92.59
Hydrocarbon	72.5000	<0.20	99.72	Tin	0.2130	<0.02	90.61
Iron	68.3400	0.193	99.72	Tolulene	28480.	0.227	99.99
Lead	0.5900	0.003	99.46	TSS	1560.0	8.000	99.49
Lindane	0.1430	0.001	99.30	Vanadium	0.2621	<0.00	99.24
Magnesium	13.1500	0.044	99.66	Zinc	221.00	0.140	99.90
Manganese	1.0610	0.018	98.27				

Organics, Isotopes & Dyes

Bacteria	Before mg/l	After mg/l	Removal Rate %
Bacteria	110,000,000.00 cfu	2,700.00 cfu	99.99
Coliform	318000.00 cfu	<1.00 cfu	99.99
E. coli	>2,419.20 mpn	0.00 mpn	99.99
Enterococcus	83.00 mpn	<10.00 mpn	82.87
Total Coliform	>2,419.20 mpn	0.0000	99.99
Radioisotopes	Before mg/l	After mg/l	Removal Rate %
Americium-241	71.9900 pCi/L	0.5700 pCi/L	99.20
Plutonium-239	29.8500 pCi/L	0.2900 pCi/L	99.00
Radium	1 093.0000pCi/L	0.1000 pCi/L	99.99
Uranium	0.1300 mg/L	0.0002 mg/L	99.83
Dyes	Before NTU	After NTU	Removal Rate %
Ref. 006-691	125.1000	12.1000	90.00
Ref. 006-692	129.4000	2.2000	98.30
Ref. 006-854	68.3000	0.6800	99.00
Ref. 006-851	2340.0000	4.5000	99.80

Synthetic Organofluorine Chemical Compounds (PFAS)

PFAS	Before ug/l	After ug/l	Removal Rate %
PFOA	1.620	<LOD (0.166)*	99.74
PFOS	0.867	<LOD (0.0981)*	99.44

* LOD - Limit of Detection (This is the equipment's lowest reading level. The removal rate may be higher then indicated.)

PHAS is not just removed from the water, it is actually destroyed into a non-hazardous state - it becomes inert after passing through the EC unit.

