Welcome Visitor...

Aquathin's Mission is to be the premier and most recognizable water treatment company in the Universe. To improve the quality of Life, by providing the service of better water through supreme state of the art and trend-setting systems and technologies...while having fun along the way.

Bold Precision and Precision Bold is our vogue...we've accomplished what others said not possible...which turned out to mean not possible for them. We are proud to earn our price because most others do not have the discipline, integrity, education, charisma and resources to duplicate what we have accomplished here and in the field. No other company has acquired more honors, achievements, accomplishments in this industry....and that's important in your decision making process.

Prepare to have your socks knocked off !

Thank you considering Aquathin and its Dealer Network to provide your family or business the very best in water security.

FOR THE BEST TASTE IN LIFE &
25 Years Pure Excellence
Think Aquathin...AquathinK !!

"Alfie"
Alfred J. Lipshultz, President

Treating E.P.A. Regulated Water Contaminants

This chart shows contaminants regulated for public water systems by the Safe Drinking Water Act, and the maximum contaminant levels, sources, health effects and treatment options for each.

Contaminant	MCL*	Source/Industrial Occurrence	Health Effects	Treatment For Reduction	Treatment for P.O.U. Elimination
MICROBIOLOGICAL					
Coliform	< 1 colony / 100ml	Raw sewage, septic tank leakage, animal feces.	Affects digestive tract. Presence in water may indicate possible presence of other bacteria.	Chlorination, UV irradiation, distillation.	AQUATHIN Patented RO•DI Process
Giardia Lamblia	0	Human and animal feces.	Stomach cramps, intestinal distress (Giardiasis)	Filtration, chlorination, UV irradiation, distillation	AQUATHIN Patented RO•DI Process
Legionella	0	Found in water aerosols such as vegetable misters	Causes Legionnaires' disease, Pontiac fever	Filtration, chlorination, UV irradiation.	AQUATHIN Patented RO•DI Process
Turbidity	0.5-1.0 NTU (nephelometric turbidity unit)	Erosion, runoff and discharges.	Interferes with disinfection	Filtration, distillation, granular activated carbon, RO	AQUATHIN Patented RO•DI Process
INORGANIC					
Antimony	0.006	Fire retardants, ceramics, electronics, fireworks, solder.	Cancer.	Coagulation and filtration; submicron filtration; RO; ultrafiltration; distillation	AQUATHIN Patented RO•DI Process
Arsenic	0.05	Defoliants, soil sterilants, wood treatment compounds. Used in textile mills, paint and ink formulation, petroleum refining, porcelain enameling, pharmaceutical manufacturing, ore mining and dressing, foundries and metals manufacturing.	Malignant tumors of skin and lungs. Affects nervous system.	Ion exchange, RO, distillation, activated alumina, lime softening, coagulation with filtration.	AQUATHIN Patented RO•DI Process
Asbestos	7 MFL (million fibers per liter)	Natural geologic deposits. Insulation, fireproofing materials and cement pipe.	Probable cause of cancer.	Filtration, RO.	AQUATHIN Patented RO•DI Process

Treating E.P.A. Regulated Water Contaminants

THIS CHART SHOWS CONTAMINANTS REGULATED FOR PUBLIC WATER SYSTEMS BY THE SAFE DRINKING WATER ACT, AND THE MAXIMUM CONTAMINANT LEVELS, SOURCES, HEALTH EFFECTS AND TREATMENT OPTIONS FOR EACH.

Contaminant	MCL*	Source/Industrial Occurrence	Health Effects	Treatment For Reduction	Treatment for P.O.U. Elimination
Barium	2	Geologic deposits of barite or witherite ore in GA, MO, AR, KY, CA, NV, Canada and Mexico.	Affects nervous systems and circulatory system.	Ion exchange, RO, distillation, lim softening.	AQUATHIN Patented RO•DI Process
Beryllium	0.004	Electrical, aerospace and defense industries.	Bone and lung damage.	Coagulation and filtration; submicron filtration and activated carbon; activated alumina; cation exchange; RO; distillation; electrodialysis.	AQUATHIN Patented RO•DI Process
Cadmium	0.005	Geologic deposits. Found in fungicides, batteries and paint enamels. Used in textile mills, timber product processing, petroleum refining, paint and ink formulation, rubber processing, ore mining and dressing, pharmaceutical manufacturing and foundries.	Kidney disorders, bronchitis, anemia.	Ion exchange, RO, distillation, lime softening, coagulation with filtration, corrosion control.	AQUATHIN Patented RO•DI Process
Chromium	0.1	Geologic deposits. Used in leather tanning, iron and steel manufacturing, coal mining, textile mills, gum and wood chemicals, pharmaceutical manufacturing, petroleum refining, rubber processing and foundries.	Liver and kidney disorders. Affects skin and digestive system.	Ion exchange, RO, distillation, lime softening, coagulation with filtration.	AQUATHIN Patented RO•DI Process
Copper	1	Corrosion of interior household and building pipes.	Stomach and intestinal distress. Wilson's disease.	Ion exchange, RO, distillation.	AQUATHIN Patented RO•DI Process
Cyanide	0.2	Electroplating, steel, plastics, mining, fertilizer.	Thyroid and nervous system damage.	Chemical oxidation and disinfection at pH > 10; anion exchange; RO; distillation, electrodialysis.	AQUATHIN Patented RO•DI Process
Fluoride	4	Geologic deposits. Added to public water supplies as fluosilic acid, sodium silicofluoride or sodium fluoride at a concentration of 1 ppm.	Fluorosis or mottling, a brown discoloration of the teeth.	Ion exchange, O, distillation, activated alumina.	AQUATHIN Patented RO•DI Process

Treating E.P.A. Regulated Water Contaminants

This chart shows contaminants regulated for public water systems by the Safe Drinking Water Act, and the maximum contaminant levels, sources, health effects and treatment options for each.

Contaminant	MCL*	Source/Industrial Occurrence	Health Effects	Treatment For Reduction	Treatment for P.O.U. Elimination
Lead	0.015 (action level)	Solder and other plumbing products, batteries, gasoline as tetraethyl lead. Used in explosives manufacturing, textile mills, petroleum refining, paint and ink formulation, rubber processing, porcelain enameling and foundries.	Affects nervous and reproductive systems and kidneys. Caused hypertension.	Ion exchange, RO, distillation, coagulation with filtration, corrosion control, activated carbon.	AQUATHIN Patented RO•DI Process
Mercury	0.002	Fungicides, bactericides in antifouling paints and mildew-proofing preparations. Also found in thermometers and barometers. Used in coal mining, textile mills, timber product processing, petroleum refining, rubber processing, paint and ink formulation.	Affects nervous system and kidneys	Activated carbon, lime softening, RO, coagulation with filtration and with powdered activated carbon, distillation.	AQUATHIN Patented RO•DI Process
Nickel	0.1	Metal alloys, electroplating, batteries, chemical production.	Heart and Liver damage.	Cation exchange, RO, distillation, electrodialysis.	AQUATHIN Patented RO•DI Process
Nitrate (as N)	10	Fertilization, sewage, naturally-forming mineral deposits, feedlot runoff.	Methoglobinemia ("Blue Baby" syndrome).	Ion exchange, RO, distillation.	AQUATHIN Patented RO•DI Process
Nitrite (as N)	1	Fertilization, sewage, naturally-forming mineral deposits, feedlot runoff.	Methoglobinemia ("Blue Baby" syndrome).	Ion exchange, RO, distillation.	AQUATHIN Patented RO•DI Process
Selenium	0.05	Natural geologic deposits. Commonly found as a trace element in animal feeds. Used in textile mills, timber processing, porcelain enameling, pharmaceutical manufacturing and foundries.	Affects nervous system. Causes irritation to mucous membranes and dermatitis.	Lime softening, RO, coagulation with filtration, activated alumina, distillation.	AQUATHIN Patented RO•DI Process
Silver	0.05 (0.1 secondary limit)	Natural geologic deposits. Used as a sterilant. Found in battery manufacturing, plating operations, and medical and pharmaceutical processing.	Irritant to skin and other body tissues.	Ion exchange, RO, distillation.	AQUATHIN Patented RO•DI Process
Sodium	No MCL (20 ppm reporting level)	Geologic deposits, road salting.	Possible increased blood pressure in susceptible individuals.	Ion exchange, RO, distillation.	AQUATHIN Patented RO•DI Process

Treating E.P.A. Regulated Water Contaminants

THIS CHART SHOWS CONTAMINANTS REGULATED FOR PUBLIC WATER SYSTEMS BY THE SAFE DRINKING WATER ACT, AND THE MAXIMUM CONTAMINANT LEVELS, SOURCES, HEALTH EFFECTS AND TREATMENT OPTIONS FOR EACH.

Contaminant	MCL*	Source/Industrial Occurrence	Health Effects	Treatment For Reduction	Treatment for P.O.U. Elimination
Thallium	0.002	Electronics, drugs, alloys, glass.	Kidney, liver, brain and intestinal damage.	Cation exchange, activated alumina, distillation.	AQUATHIN Patented RO•DI Process
ORGANIC					
1,1 Dichloroethylene	0.007	Used in manufacturing dyes, plastics, perfumes, paints and adhesives.	Affects kidneys and liver and can cause nausea.	Activated carbon	AQUATHIN Patented RO•DI Process
1,1,1-Trichloroethane	0.2	Used in the manufacturing of pesticides, plastics and metals.	Affects nervous system. Causes narcosis and probably cancer.	Activated carbon.	AQUATHIN Patented RO•DI Process
1,1,2-Trichloroethane	0.005	Solvent in rubber products, chemical production waste.	Kidney, liver, nervous system damage.	Activated carbon, aeration.	AQUATHIN Patented RO•DI Process
1,2 Dichlorobenzene	0.6	Used in the manufacturing of fumigants, insecticides, waxes, resins, rubber and asphalt.	Affects lungs, liver and kidneys.	Activated carbon.	AQUATHIN Patented RO•DI Process
1,2 Dichloroethane	0.005	Used in the manufacturing of gasoline, paint, varnish, metal degreasers and insecticide fumigants.	Damages kidney and liver. Can cause nausea.	Activated carbon.	AQUATHIN Patented RO•DI Process
1,2 Dichloropropane	0.005	Used in insecticide fumigants, dry cleaning fluids and in the manufacturing of resins, waxes and petroleum products.	Affects lungs, liver and kidneys.	Activated carbon.	AQUATHIN Patented RO•DI Process
1,2,4-Trichlorobenzene	0.07	Herbicide production; dye carrier.	Liver, kidney damage	Activated carbon, aeration.	AQUATHIN Patented RO•DI Process
1,4 Dichlorobenzene	0.075	Used in moth repellent, germicides, pesticides and soil fumigants.	Affects nervous system, lvier and kidneys. Probable cause of cancer.	Activated carbon.	AQUATHIN Patented RO•DI Process
Acrylamide	0	Flocculants used in sewage and wastewater treatment.	Affects nervous system. Probable cause cancer.	Activated carbon.	AQUATHIN Patented RO•DI Process

Treating E.P.A. Regulated Water Contaminants

THIS CHART SHOWS CONTAMINANTS REGULATED FOR PUBLIC WATER SYSTEMS BY THE SAFE DRINKING WATER ACT, AND THE MAXIMUM CONTAMINANT LEVELS, SOURCES, HEALTH EFFECTS AND TREATMENT OPTIONS FOR EACH.

Contaminant	MCL*	Source/Industrial Occurrence	Health Effects	Treatment For Reduction	Treatment for P.O.U. Elimination
Adipates	0.4	Synthetic rubber, food packaging, cosmetics.	Decreased body weight; lvier and testes damage.	Activated carbon, aeration.	AQUATHIN Patented RO•DI Process
Benzene	0.005	Used in fuels and as a solvent in manufacturing pharmaceuticals, plastics, pesticides and paints. Often traced to leaking underground storage tanks.	Leukemia, anemia and possibly cancer.	Activated carbon.	AQUATHIN Patented RO•DI Process
Carbon Tetrachloride	0.005	Used as a cleaning agent and in manufacturing refrigerants, fumigants, propellants, resins, paints and inks.	Affects nervous system, liver and digestive system. Causes cancer.	Activated carbon.	AQUATHIN Patented RO•DI Process
Chlorobenzene	0.1	Used as a solvent for paint and metal manufacturing. Also used in insecticides.	Affects nervous system, kidneys and liver.	Activated carbon.	AQUATHIN Patented RO•DI Process
CIS-1,2 Dichloroethylene	0.07	Used as an industrial solvent in the manufacturing of dyes, perfumes and lacquers.	Affects liver, and nervous and circulatory systems. Probable cause of cancer.	Activated carbon	AQUATHIN Patented RO•DI Process
Dibromochloropropane	0.0002	Soil fumigant on soybeans, cotton. Canceled in 1977	Cancer.	Activated Carbon	AQUATHIN Patented RO•DI Process
Dichloromethane	0.005	Paint stripper, metal degreaser, propellant.	Cancer.	Aeration	AQUATHIN Patented RO•DI Process
Dioxin	0.0000000 3	Chemical production by-product; impurity in herbicides.	Affects lungs, liver and kidneys. Probable cause of cancer.	Activated carbon.	AQUATHIN Patented RO•DI Process
Epichlorohydrin	0	Used in epoxy resins and coatings and in flocculants used in treatment.	Affects nervous system, kidneys and liver.	Activated carbon.	AQUATHIN Patented RO•DI Process
Ethylbenzene	0.7	Used in the manufacture of gasoline, insecticides and asphalt.	Probable cause of cancer	Activated carbon.	AQUATHIN Patented RO•DI Process
Ethylene Dibromide	0.00005	Used as a gasoline additive and soil fumigant.	Affects nervous system, kidneys and liver.	Activated carbon.	AQUATHIN Patented RO•DI Process

Treating E.P.A. Regulated Water Contaminants

This chart shows contaminants regulated for public water systems by the Safe Drinking Water Act, and the maximum contaminant levels, sources, health effects and treatment options for each.

Contaminant	MCL*	Source/Industrial Occurrence	Health Effects	Treatment For Reduction	Treatment for P.O.U. Elimination
Monochlorobenzene	0.1	Used in the manufacture of pesticides and as a metal cleaner and industrial solvent.	Cancer.	Activated carbon.	AQUATHIN Patented RO•DI Process
PAHs	0.0002	Coal tar coatings, burning organic matter, volcanoes, fossil fuels.	Cancer.	Activated Carbon.	AQUATHIN Patented RO•DI Process
Phthalate (di(2-ethylhexyl))	0.006	PVC and other plastics.	Affects skin and liver. Causes nausea. Probable cause of cancer.	Activated carbon.	AQUATHIN Patented RO•DI Process
Polychlorinated Biphenyls (PCBs)	0.0005	Used in electrical transformers.	Affects nervous system, kidneys and liver.	Activated carbon.	AQUATHIN Patented RO•DI Process
Styrene	0.1	Used in manufacturing plastics, resins and foams.	Affects nervous system. Probable cause of cancer and anesthesia.	Activated carbon.	AQUATHIN Patented RO•DI Process
Tetrachloroethylene	0.005	Used in dry cleaning and as a degreasing agent for metals. Also used for manufacturing rubber, waxes, paints and inks.	Affects nervous system, liver and kidneys. Causes narcosis. Irritant to respiratory system.	Activated carbon.	AQUATHIN Patented RO•DI Process
Toluene	1	Used in gasoline, paint thinners, lacquers and adhesives.	Cancer.	Activated carbon, ozonation.	AQUATHIN Patented RO•DI Process
Total Trihalomethanes (THMs): Chloroform, Bromoform, Bromodichloromethane Dibromochloromethane	0.1	Formed when water containing organic matter is treated with chlorine.	Affects nervous system and muscles. Probable cause of cancer.	Activated Carbon, aeration, ultrafiltration (20-90%), RO (20-90%)	AQUATHIN Patented RO•DI Process
TRANS-1,2 Dichloroethylene	0.1	Used as an industrial solvent in the manufacturing of dyes, perfumes, lacqueers and rubber.	Affects liver, and nervous and circulatory systems.	Activated carbon, ozonation with UV irradiation.	AQUATHIN Patented RO•DI Process
Trichloroethylene	0.1	Used in dry cleaning and as a degreasing agent. Also, used for manufacturing rubber, paints, adhesives, resins, oils and fumigants.	Irritates body tissue. Affects nervous system. Probable cause of cancer.	Activated carbon.	AQUATHIN Patented RO•DI Process

Treating E.P.A. Regulated Water Contaminants

THIS CHART SHOWS CONTAMINANTS REGULATED FOR PUBLIC WATER SYSTEMS BY THE SAFE DRINKING WATER ACT, AND THE MAXIMUM CONTAMINANT LEVELS, SOURCES, HEALTH EFFECTS AND TREATMENT OPTIONS FOR EACH.

Contaminant	MCL*	Source/Industrial Occurrence	Health Effects	Treatment For Reduction	Treatment for P.O.U. Elimination
Vinyl Chloride	0.005	Used as a plastic adhesive and refrigerant. The main component of PVC pipe.	Affects nervous system. Probable casue of cancer.	Activated carbon.	AQUATHIN Patented RO•DI Process
Xylenes	0.002	Used in manufacturing paint, ink, petroleum and detergents.	Affects nervous sytem, kidney, lungs, liver and mucous membranes.	Activated carbon.	AQUATHIN Patented RO•DI Process
PESTICIDES					
Aldicarb, Aldicarb Sulfone, Aldicarb Sulfoxide, Carbofuran	10 0.003 0.002 0.004	Agricultrual insecticide.	Affects nervous system, respiratory system, kidneys and liver. Probable cause of cancer.	Activated carbon.	AQUATHIN Patented RO•DI Process
Chlordane	0.04	Used on rodents, insects, birds. Restricted since 1980	Affects nervous system, respiratory system, kidneys and liver. Probable cause of cancer.	Activated carbon.	AQUATHIN Patented RO•DI Process
Endrin	0.0002	Agricultrual insecticide.	Liver, kidney, heart damage.	Activated carbon.	AQUATHIN Patented RO•DI Process
Heptachlor	0.0004	Agricultrual insecticide. Converts to epoxide by soil and water organisms.	Affects nervous system, respiratory system, kidneys and liver. Probable cause of cancer.	Activated carbon.	AQUATHIN Patented RO•DI Process
Heptachlor Epoxide	0.0002	Pesticide production by-product.	Affects nervous system, respriatory system, kidneys and liver. Probable cause of cancer.	Activated carbon.	AQUATHIN Patented RO•DI Process
Hexachlorobenzene	0.001	Pesticide production by-product	Cancer.	Activated carbon.	AQUATHIN Patented RO•DI Process
Hexachlorocyclopentadiene	0.05	Agricultural insecticide.	Cancer.	Activated carbon, aeration.	AQUATHIN Patented RO•DI Process

Treating E.P.A. Regulated Water Contaminants

THIS CHART SHOWS CONTAMINANTS REGULATED FOR PUBLIC WATER SYSTEMS BY THE SAFE DRINKING WATER ACT, AND THE MAXIMUM CONTAMINANT LEVELS, SOURCES, HEALTH EFFECTS AND TREATMENT OPTIONS FOR EACH.

Contaminant	MCL*	Source/Industrial Occurrence	Health Effects	Treatment For Reduction	Treatment for P.O.U. Elimination
Lindane	0.0002	Agricultural insecticide.	Affects nervous system, respiratory system, kidneys and liver. Probable cause of cancer.	Activated carbon.	AQUATHIN Patented RO•DI Process
Methoxychlor	0.04	Insecticide used on apples, potatoes, tomatoes.	Affects nervous system, respiratory system, kidneys, and liver. Probable cause of cancer.	Activated carbon.	AQUATHIN Patented RO•DI Process
Oxamyl	0.2	Agricultural insecticide.	Kidney damage.	Activated carbon.	AQUATHIN Patented RO•DI Process
Toxaphene	0.003	Agricultural insecticide.	Affects nervous system, respiratory system, kidneys and liver. Probable cause of cancer.	Activated carbon.	AQUATHIN Patented RO•DI Process
HERBICIDES					
2,4-D 2,4,5-TP (silvex) Alachlor Atrazine	0.07 0.05 0.002 0.003	Agricultural herbicides.	Affect nervous and reproductive system, respiratory system, kidneys, liver and heart. Cause anesthesia. Probable causes of cancer.	Activated carbon.	AQUATHIN Patented RO•DI Process
Dalapon	0.2	Herbicide used on orchards, beans, coffee, lawns, roads and railways.	Liver, kidney damage.	Activated carbon.	AQUATHIN Patented RO•DI Process
Dinoseb	0.007	Runoff of herbicide from crop and non-crop applications.	Thyroid, reproductive organ damage.	Activated carbon.	AQUATHIN Patented RO•DI Process
Diquat	0.02	Runoff of herbicide on land and aquatic weeds.	Liver, Kidney, eye effects.	Activated carbon.	AQUATHIN Patented RO•DI Process

Treating E.P.A. Regulated Water Contaminants

THIS CHART SHOWS CONTAMINANTS REGULATED FOR PUBLIC WATER SYSTEMS BY THE SAFE DRINKING WATER ACT, AND THE MAXIMUM CONTAMINANT LEVELS, SOURCES, HEALTH EFFECTS AND TREATMENT OPTIONS FOR EACH.

Contaminant	MCL*	Source/Industrial Occurrence	Health Effects	Treatment For Reduction	Treatment for P.O.U. Elimination
Endothall	0.1	Used on crops, land and aquatic weeds.	Liver, kidney and gastrointestinal damage.	Activated carbon.	AQUATHIN Patented RO•DI Process
Glyphosphate	0.7	Used on grass, weeds, brush.	Liver, kidney damage.	Activated carbon.	AQUATHIN Patented RO•DI Process
Pentachlorophenol	0.001	Agricultural herbicide and wood preservative.	Affects nervous and reproductive system, respiratory system, kidneys, liver and heart. Causes anesthesia. Probable cause of cancer.	Activated carbon.	AQUATHIN Patented RO•DI Process
Picloram	0.5	Used on broadleaf and woody plants.	Kidney, liver damage.	Activated carbon.	AQUATHIN Patented RO•DI Process
Simazine	0.004	Used on grass sod, some crops, aquatic algae.	Cancer.	Activated carbon.	AQUATHIN Patented RO•DI Process
RADIONUCLIDES					
Alpha emitters	15 pCi/L	Decay of radionuclides in natural deposits.	Cancer.	Depends on the source radionuclide.	AQUATHIN Patented RO•DI Process
Beta photon emitters	4 mrem/yr	Decay of radionuclides in natural and man-made deposits.	Cancer.	Mixed-bed ion exchange, RO, distillation, electrodialysis.	AQUATHIN Patented RO•DI Process
Combined radium 226, 228	5 pCi/L	Natural deposits.	Bone cancer.	Cation exchange, RO, distillation, elecrtrodialysis.	AQUATHIN Patented RO•DI Process
Gross alpha particle	15 pCi/L	Radioactive waste and uranium deposits.	Probable cause of cancer. Affects skeletal tissue. Can cause bone sarcomas, head sarcomas.	RO, ion exchange, lime softening at a high pH.	AQUATHIN Patented RO•DI Process

Treating E.P.A. Regulated Water Contaminants

THIS CHART SHOWS CONTAMINANTS REGULATED FOR PUBLIC WATER SYSTEMS BY THE SAFE DRINKING WATER ACT, AND THE MAXIMUM CONTAMINANT LEVELS, SOURCES, HEALTH EFFECTS AND TREATMENT OPTIONS FOR EACH.

Contaminant	MCL*	Source/Industrial Occurrence	Health Effects	Treatment For Reduction	Treatment for P.O.U. Elimination
Gross beta particle	4 millirem per year	Radioactive waste and uranium deposits.	Probable cause of cancer. Affects skeletal tissue. Can cause bone sarcomas, head sarcomas.	RO, ion exchange, lime softening at a high pH.	AQUATHIN Patented RO•DI Process
NON-HEALTH RELATED					
Aluminum	0.05 to 0.2	Natural forming mineral. Flocculating agent	Discoloration of water. Progressive neurological disorder referred to as DIALYSIS DEMENTIA in Kidney patients.	Ion exchange, RO, distillation.	AQUATHIN Patented RO•DI Process
Chloride	250	Natural forming mineral, seawater, sedimentary rocks.	Taste, corrosion of pipes, toxic to plants.	Ion exchange, RO, distillation	AQUATHIN Patented RO•DI Process
Color	15 TCU	Natural metallic ions, humus, peat, plankton, geological deposits.	Aesthetic, staining.	Filtration, granular activated carbon, chlorination	AQUATHIN Patented RO•DI Process
Fluoride	2	Natural forming mineral, additive to public water supply.	Dental fluorosis	Ion exchange, RO, distillation, activated alumina.	AQUATHIN Patented RO•DI Process
Foaming Agents	0.5	Detergents, fertilizer, pesticides, herbicides.	Aesthetic.	Carbon filtration, distillation	AQUATHIN Patented RO•DI Process
Iron	0.3	Naturally occurring, igneous and sandstone rocks, corrosion of plumbing materials.	Taste, staining, scaling, discoloration of water.	Ion exchange, chlorination/filtration distillation.	AQUATHIN Patented RO•DI Process
Manganese	0.05	Naturally occurring, metamorphic and sedimentary rocks, industrial contaminant.	Taste, staining, scaling, discoloration of water.	Ion exchange, chlorination/filtration, distillation.	AQUATHIN Patented RO•DI Process
Odor	3 ton	Biological sources, naturally occurring from algae, bacteria, sulfur, organic compounds.	Aesthetic, if from H2S, may cause stains and be corrosive.	Chlorination, carbon filtration.	AQUATHIN Patented RO•DI Process
Silver	0.1	Natural mineral deposits, battery manufacturing, plating, medical and pharmaceutical manufacturing.	Argyria (discoloration of skin).	Ion exchange, RO, distillation.	AQUATHIN Patented RO•DI Process

Treating E.P.A. Regulated Water Contaminants

THIS CHART SHOWS CONTAMINANTS REGULATED FOR PUBLIC WATER SYSTEMS BY THE SAFE DRINKING WATER ACT, AND THE MAXIMUM CONTAMINANT LEVELS, SOURCES, HEALTH EFFECTS AND TREATMENT OPTIONS FOR EACH.

Contaminant	MCL*	Source/Industrial Occurrence	Health Effects	Treatment For Reduction	Treatment for P.O.U. Elimination
Sulfate	250	Naturally occurring, gypsum, mine and industrial wastes.	Taste, laxative effects.	Ion exchange, RO, distillation.	AQUATHIN Patented RO•DI Process
Total dissolved solids (TDS)	500	Natually occurring, dissolved minerals.	Taste, corrosivity, limits effectiveness of soap and detergents.	RO, distillation.	AQUATHIN Patented RO•DI Process
Zinc	5.0	Corrosion of plumbing materials, industrial contamination.	Taste.	Ion exchange, RO, distillation.	AQUATHIN Patented RO•DI Process

Elimination defined as 98.9+% inorganic - 99.9+% organic.

LABORATORIO
BIOTROL

TEL: 240-4712
FAX: 297-1206

Fecha: 05 de diciembre del 2002

INFORME N. 5006

Señores:
COFASC
Atención: Ing. Oscar Solano

RESULTADO DE ANÁLISIS MICROBIOLÓGICOS

MUESTRA: Agua (D), después.

Fecha de muestreo: 30-11-02
Fecha de análisis: 02-12-02

AQUATHIN SYSTEMS :
1. BFF-3
2. ASC-25K/F
3. S37B UV
4. AQL-1

Análisis microbiológico	Resultado
Número más probable de coliformes totales	Menos de 2 /100 ml
Número más probable de coliformes fecales	Menos de 2 /100 ml

PARAMETRO DE REFERENCIA
REGLAMENTO PARA CALIDAD DE AGUA POTABLE SEGUN DECRETO EJECUTIVO #25991-S

Número más probable de coliformes fecales	Menos de 2/100 ml

NOTA: Según el Decreto #25991-S anterior, esta muestra de agua ES POTABLE

Muestra transportada por un representante de AQYLA, S.A. a nuestro laboratorio

Método utilizado: Standard Methods for the Examination of Water and Wastewater, 20 Th, Ed., 1998.

Dr. Rolando Leiva E
M.Q.C. -758-

LABORATORIO BIOTROL

Post-it™ Transmisión por Fax 7671			
PARA/TO	Sr. Jorge Soto	FECHA/DATE	Marzo
COMPAÑIA/CO.	COFASC	N° DE PAGINAS/# OF PAGES	1
DEPARTAMENTO/DEPT.	Ventas	DE/FROM	M. Arias
FAX	272 0073	COMPAÑIA/CO.	LAB. BARLY
		TELEFONO/PHONE #	234 1401
		FAX	234-1615

Fecha: 6 de marzo del 2001

INFORME N. 835

Señores
LABORATORIOS BARLY
Atención: Dra. Marisol Arias

aquathin **MODEL: 600+24K**

RESULTADO DE ANALISIS MICROBIOLOGICOS

Muestra: AGUA SALIDA DEL EQUIPO POR TUBO. HORA: 4:45 pm.

Fecha de Análisis: 02-03-2001
Fecha de Muestreo: 01-03-2001

RECUENTO TOTAL AEROBIO:	**MENOS DE 1 UFC/ml**
NUMERO MAS PROBABLE DE COLIFORMES TOTALES:	**MENOS DE 2 /100 ml**
NUMERO MAS PROBABLE DE COLIFORMES FECALES:	**MENOS DE 2 /100 ml**
PRESENCIA DE *Pseudomonas aeruginosa* EN 50 ml :	**NEGATIVA**

METODO UTILIZADO: STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER. 18 Th. Ed.. 1995.

NOTA: MUESTRA ENVIADA POR EL INTERESADO A NUESTRO LABORATORIO.

DRA. ARLINE ULATE P.
M.Q.C. -883-

LABORATORIO DE MICROBIOLOGIA Y CONTROL DE CALIDAD INDUSTRIAL BIOTROL S.A.
TIBAS, DEL PERIODICO LA NACIÓN 50 M ESTE Y 200 NORTE, TELS 240-4712 ó 297-2900, TELFAX 297-1200.
APARTADO POSTAL. 1280-1100. E-mail prelab@solracsa.co.cr

UKAS TESTING
1206

BACTERIOLOGY TEST REPORT

(PERFORMED TO METHODS DOCUMENTED IN "THE MICROBIOLOGY OF WATER 1994 PART 1- DRINKING WATER" [REPORT 71])

GR Micro Limited
Medical & Environmental Microbiological Services
7-9 William Road, London NW1 3ER
Telephone 020 7388 7320
Fax 020 7388 7324
e-mail info@grmicro.co.uk
web www.grmicro.co.uk

TEST REPORT NUMBER 89157

CLIENT: The Pure H_2O Company
Unit 5, Egham Business Village
Crabtree Road
Egham
Surrey TW20 8RB

SITE: New Lab DI

REPRESENTATIVE: Not Stated **ORDER NUMBER:** Not Stated

DATE SAMPLED: 31.08.01 **DATE RECEIVED:** 31.08.01 **DATE TESTED:** 31.08.01

RESULTS

Laboratory Reference	Sample Point	Total Viable Counts (colony forming units per millilitre)		Total Coliforms and *Escherichia coli* (colony forming units per 100 millilitres)	
		22°C	37°C	Total Coliforms	*E. coli*
89157	0.3 mch ASTME4	<1	<1	ND	ND

Note: ND = Not Detected

Total Viable Count limit of detection 1 cfu/ml
Total Coliforms and *E.coli* limit of detection 1 cfu/100ml
[cfu = colony forming unit]

SIGNED:

DATE: 03.09.01

Mark Hichens
Environmental Services Manager

aquachin
MODEL 1200+24K(3)
3,600 gpd
BOTTLING PLANT

ISDH – LABS

PAID

PRIVATE WATER SUPPLY REPORT

INDIANA STATE DEPARTMENT OF HEALTH
Environmental Microbiology
635 North Barnhill Drive, Room 13G
P.O. Box 7202
Indianapolis, Indiana 46207-7202

Sample Number 680

Date Received SEP 06 2000

SEP 08 2000

BEFORE AQUALITE RODI

SAMPLES SUBMITTED WITHOUT COMPLETED FORM WILL NOT BE ANALYZED. USE BLACK INK.

Indiana State Department of Health is to mail report to:

Tammy Kingery
(Name)
211 Good Cemetery Rd E
(Street)
Nawthermany IN 47631
(City or Town) (Zip)

SAMPLE DESCRIPTION

Sample Source:
☑ Drilled Well ☐ Dug Well ☐ Driven Well
☐ Spring ☐ Cistern

County Posey
Owner Jeff and Tammy Kingery
Date Collected 9-5-00
Collected by Tammy Kingery Depth 350 feet
Phone (812) 783-2063
Water use by Jeff Kingery & family
Location of water supply 211 Good Cemetery Rd
Reason for examination make sure it is safe for use.
Age of well 1 yr old Date of last repair none
Location with respect to: privy N/A ft. cesspool N/A ft.
Septic tank 75 ft. Sewers or drains N/A ft.
Pump spout—open or (closed) closed Require priming? NO
Well diameter 8 in. Is cover watertight? yes
For dug wells. Are walls watertight to depth of 10 ft.? N/A
Is wastewater carried away? yes
For drilled or driven wells: (Single) or double tubular single
Is annular space between the two pipes sealed? N/A
Well pit? NO Drained to N/A Depth cased N/A ft.
For springs: Is it walled up and covered? N/A
Can it be flooded? NO
For cisterns: Material of pipeline to cistern N/A

State Form 36741 (R4/5-99)

ANALYSIS DATA

TEST: TOTAL COLIFORM
METHOD*:
☐ MF ☐ MPN ☐ LST P/A ☑ MM P/A ☐ MM QT

RESULT:
☑ PRESENT
☐ ABSENT

ANALYST:

TEST: ☐ FECAL COLIFORM ☑ E. COLI
METHOD*:
☐ MF ☐ MPN ☐ EC P/A ☑ MM P/A ☐ MM QT

RESULT:
☐ PRESENT
☑ ABSENT

ANALYST:

*If MF is checked the result is organisms per 100 ml.
If P/A is checked the result is presence (P) or absence (A)
If MPN or MM QT is checked the result is the most probable number per 100 ml.

REPORT OF SAMPLES

☐ SATISFACTORY: At examination time, this water was bacteriologically safe based on USEPA standards

☑ UNSATISFACTORY: At examination time, this water was bacteriologically unsafe.

☐ PLEASE SUBMIT ANOTHER SAMPLE.
TEST NOT VALID BECAUSE:

☐ Too long in transit (more than 48 hours).
☐ Invalid/no collection date.
☐ Sample type not designated.
☐ Other

Please see recommendations (on accompanying sheet) numbered:
Remarks:

AUG-30-01 09:24 AM AQUATAIN OF EVANSVILLE 812 985 1404 P.01

HEALTH OFFICIAL/POOLS & SPAS/BEACHES & LAKES REPORT FORM

Shipping No. [illegible]

Date Rep. FEB 28 2001

INDIANA STATE DEPARTMENT OF HEALTH
Environmental Laboratory Division
1330 West Michigan Street
P.O. Box 1964
Indianapolis, Indiana 46206-1964

Sample Number 317

Date Received FEB 22 01

AFTER AQUALITE RODI

aquathin

SAMPLES SUBMITTED WITHOUT COMPLETED FORM WILL NOT BE ANALYZED. USE BLACK INK.

Indiana State Department of Health is to mail report to

Posey Co. Health Dept.
(Name)
126 E. 3RD St.
(Street)
Mt. Vernon IN 47620
(City or Town) (Zip)

SAMPLE SUBMITTED BY: Denny Schaffer

☒ HEALTH OFFICIAL Posey COUNTY

IDENTIFICATION NUMBER 6 5 0 0 0 1 | BOTTLE NUMBER

SAMPLE SOURCE (CHECK ONE) AND DESCRIPTION

☒ Drinking Water ☐ Swimming Pool ☐ Spa/Hot Tub

☐ Bathing Beach ☐ Surface Water-Ditch, etc. ☐ Ice

☐ Meat/Poultry Plant ☐ Bottled Water ☐ Dairy

☐ OTHER

NAME/ORGANIZATION Tammy Kingery

ADDRESS 211 Grad Cemetery Rd. E.

LOCATION New Harmony, IN 47631 Sink

PHONE (812) 783-2063

DATE COLLECTED 2/20/01 Sue TIME COLLECTED 2:23 P.M.

ANALYSIS DATA--TO BE COMPLETED BY LAB

TEST: TOTAL COLIFORM

METHOD:*

☐ MF ☐ MTF ☐ LST P/A ☒ MMO-MUG P/A

RESULT:

☐ PRESENT ☒ ABSENT

ANALYST: [illegible]

TEST: ☐ FECAL COLIFORM ☒ E. COLI

METHOD:*

☐ MF ☐ MTF ☐ EC P/A ☒ MMO-MUG P/A

RESULT:

☐ PRESENT ☒ ABSENT

ANALYST: [illegible]

*If MTF is checked the result is number of positive tubes.
If MF is checked the result is organisms per 100 ml.
If P/A is checked the result is presence (P) or absence (A).

Incidental Pseudomonas Detected ☐

HETEROTROPHIC PLATE COUNT _____/1.0 ML _____/0.1 ML

REPORT OF SAMPLES

☒ SATISFACTORY: At examination time, this water was bacteriologically safe based on USEPA standards.

☐ UNSATISFACTORY: At examination time, this water was bacteriologically unsafe.

☐ PLEASE SUBMIT ANOTHER SAMPLE. TEST NOT VALID BECAUSE:

- ☐ Too long in transit (more than 48 hours).
- ☐ Invalid/no collection date.
- ☐ Sample type not designated.
- ☐ Other [illegible]

ISDH - LABS

TO BE MAILED TO:

[illegible]

[illegible]

[illegible]

N [illegible] (Zip)

247718

SDH 44-004 State Form 36740 (R4/11-93) 8/22/94 PoolsEtc.doc ENVIRONMENTAL LAB FORMS/Ao

aquathin

MODEL:
PLT90-XF with
CARB12 & PBA

KIRKEGAARD & PERRY LABORATORIES, INC.

2 Cessna Court
Gaithersburg, Maryland U.S.A. 20879-4145

(301) 948-7755 Telex 499 7901 KPLAB
FAX (301) 948-0169

August 6, 1991

To whom it may concern:

I am writing to convey my sentiment with respect to the products and service of Aquathin. Since purchasing our water systems over a year ago, both product and service have continually met our needs at Kirkegaard and Perry Laboratories (KPL).

The systems purchased by KPL have provided relatively pyrogen-free water (less than 3 pg/ml of endotoxin) having low conductivity (1-3 us) consistently with minimal service. The down-time required for service and sanitization is relatively insignificant and enables the system to be completely functional within 2 days. Both high water quality and low down-time are required for the production of reliable diagnostic ELISA products.

I would recommend Aquathin as a supplier of a reliable reagent grade water systems.

Sincerely,

Michael S. Lemar
Sr. Lab. Tech. Associate
Diagnostic Division
Kirkegaard and Perry Labs.

Spectralytix
ENVIRONMENTAL & ANALYTICAL SERVICES

July 11, 1990

Mr. Keith Hall
Aquathin Water Treatment Services
2319 Kimball Place
Silver Spring, MD 20910

Dear Mr. Hall:

Enclosed are the results for the analysis of a HPSSP24K reverse osmosis/deionization water purifier. Dechlorinated tap water was run with a hardness of 130 mg/L and a TDS of 220 mg/L spiked to a concentration of 200 ppb MTBE. The analysis was conducted at a pressure of 77 PSI and the unit showed near 100% rejection of the MTBE. A greater rejection would be expected at higher pressures.

We are pleased to have been afforded the opportunity to provide your firm with analytical services. Please feel free to call me if you have any questions about these results.

Sincerely,

Joseph E. Peters

Joseph E. Peters
Project Manager

Spectralytix Project #AQ001

200 Girard Street, Suite 204, Gaithersburg, MD 20877
Local: 301-869-0263 Metro: 301-921-9653 Fax: 301-869-8134

VARIOUS ANALYSIS - SUMMARY REPORT

Client: AQUATHIN
Spectralytix Project: AQ001
Sample Type: Water

Analyte	Result	Detection Limit	Units
Sample: Before Filtration - Spec. ID 007134			
Hardness	130	2	mg/L
TDS	220	0.1	mg/L
*Sample: Membrane After 50 Gallons - Spec. ID 007136			
MTBE	ND	1	µg/L
*Sample: Membrane and Deionizer After 50 Gallons - Spec. ID 007137			
MTBE	ND	1	µg/L
*Sample: Membrane After 100 Gallons - Spec. ID 007138			
MTBE	1.8	1	µg/L
*Sample: Membrane and Deionizer After 100 Gallons - Spec. ID 007139			
MTBE	ND	1	µg/L
Hardness	ND	2	mg/L
TDS	1.3	0.1	mg/L

* Note: Pressure reading was 77 PSI, rejection will be greater as pressure is increased.
** Note: Ran a solution of dechlorinated tap water that was spiked to a concentration of 200 ppb MTBE.

ND = Compound not detected at or above the listed detection limit.

am test inc.
14603 N.E. 87th St. • REDMOND, WASHINGTON 98052 • 206/885-1664

ANALYSIS REPORT

CLIENT: White Water Inc.

DATE RECEIVED: 12/27/88

REPORT TO: Richard White
Wayne Building, Suite 203
10845 N.E. 8th Street
Bellevue, WA 98004

DATE REPORTED: 1/10/89

DATE REVISED: 1/18/89

Laboratory Sample Number	826349	
Client Identification	RO Filtration of Spiked Water	Spiked Water Concentration
Iron (mg/l)	<0.010	1.0
Manganese (mg/l)	<0.002	1.0
Lead (mg/l)	<0.010	0.1
Trihalomethanes as Chloroform (mg/l)	<0.0007	0.01

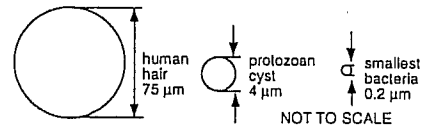
< = Less than

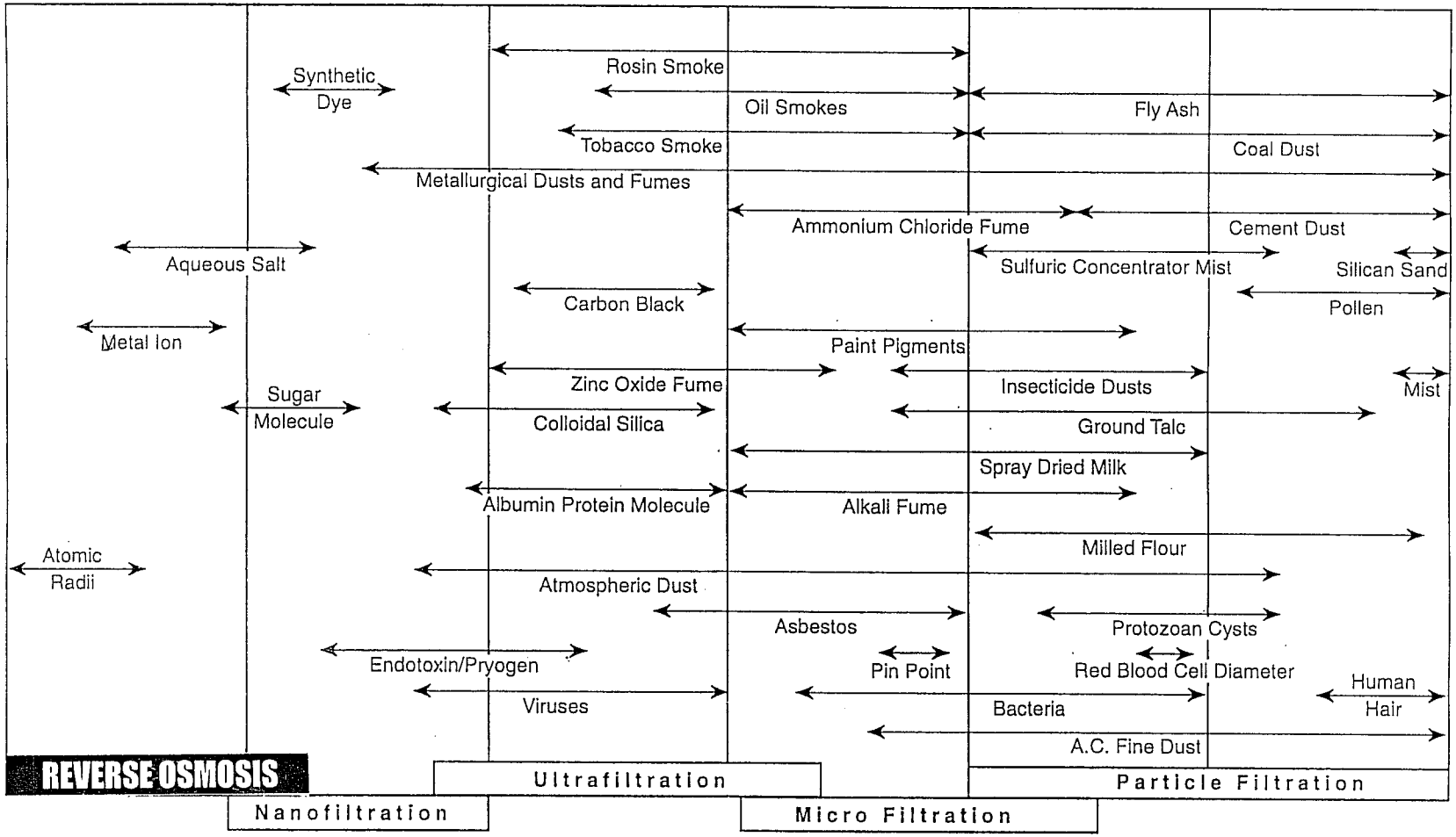
JTD/ja

REPORTED BY: John T. Dailey

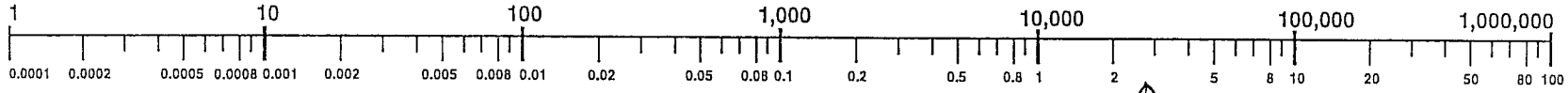
PARTICLE SIZE REMOVAL RANGE BY FILTRATION

These sizes of well known objects and particulates illustrate the size of the micrometer (or micron).





PARTICAL DIAMETER Angstrom Units, Å



PARTICAL DIAMETER Micrometors, µm

CRYPTOSPORIDIA

GIARDIA LAMBLIA

rivm
research for
man and environment

RIJKSINSTITUUT VOOR VOLKSGEZONDHEID EN MILIEUHYGIENE
NATIONAL INSTITUTE OF PUBLIC HEALTH AND ENVIRONMENTAL PROTECTION

Mr.H.L.Boelens
Hanssum 10
6086 BV Neer

December 4th 1991
764/91 LLV Pl/lvb

Regarding: Analyses of purified water

The water sample with the identification mark: "Gereinigd water i.h.v. dr. Plantinga, 10-11-'91, A" was tested on November 26th 1991 for purity on "water for injection " quality by Quality Control.

The test results were as follows:

Test		Requirements	Test Results
Identity	appearance, taste smell	clear, colorless	passed
Chemical purity	acid/alkalinity	pass test	passed
	oxidisable parts	pass test	passed
	nitrates	max 0.2 ppm	passed
	sulphates	pass test	passed
	ammnonia	max 0.2 ppm	passed
	calcium and magnesium	pass test	passed
	heavy metals	max 0.1 ppm	passed
	rest dry material	max 1 mg/100 ml	passed
	carbon dioxide	pass test	passed
	chlorides	pass test	passed
	pH	5.0-7.0	5.977
	conductivity	max 5 microS/cm	1.15

Conclusion: This water sample meets the chemical purity requirements for distilled water and "water for injection".

Head of the Laboratory for
Live Virus Vaccines

Dr.A.D.Plantinga

Antonie van Leeuwenhoeklaan 9, P.O. Box 1, 3720 BA BILTHOVEN, The Netherlands
Telephone: ..(31)30-749111, Telex: 47215 rivm nl, Telefax: ..(31)30-742971

McCOY
& McCOY, INC.
Environmental Consultants

P.O. Box 907, Madisonville, Kentucky 42431
P.O. Box 7131, Paducah, Kentucky 42001
P.O. Box 208, Pikeville, Kentucky 41501
P.O. Box 11279, Lexington, Kentucky 40574
Suite 202, 18 N.W. Fourth, Evansville, Indiana 47708

REPORT DATE. 08/26/86

AQUATHIN OF KENTUCKY WEST
ATTN: CLARK & EDNA DOERING
ROUTE #1, BOX 39 A
GUSTON, KY 40152

	LOCATION NO.	SAMPLE DATE
1.	TAP	
2.	PURIFIER	
3.		
4.		
5.		

REPORT OF CHEMICAL ANALYSIS

TEST DESCRIPTION		1	2	3	4	5
TOTAL COLIFORM	MPN	<1	<1			
TOTAL HARDNESS	PPM	287.0	1.0			

Remarks:

1. All analysis performed as per 15th Edition Standard Methods for Water and Wastewater Analysis unless otherwise noted.
2. Laboratory and personnel certified by Commonwealth of Kentucky - Department for Human Resources - Bureau for Health Services for bacteriological analysis.
3. 1 PPM-1 mg/1

By B Wolf
For McCoy & McCoy, Inc.

Associated Laboratories

3323 Rudy Street • Knoxville, TN 37921 • Phone (615) 524-3563

July 5, 1989

To Whom It May Concern:

After working in our local water utility division for many years, I realized that the water here in Knoxville has some problems that needed to be carefully reviewed.

Our family has tried several different water purification systems in order to have purer water. None of these systems proved satisfactory so I decided to contact a Professional Water Consultant to help me.

I contacted Mike Murphy, with whom I used to work at the water facility back in the 70's. Mike came to my home and told me about the Aquathin System. I sure am glad he came!

I now co-own Associated Laboratories, a soil and water analysis company, and have run conclusive analysis on the water from my home system and found it to be 99% pure. The service we have received from both our system and the personnel of Aquathin have been more than satisfactory.

Respectfully,

Oscar R. Woods

Oscar R. Woods

Orlando Laboratories, Inc.
P. O. Box 19127 • Orlando, Florida 32814 • 305/896-6645

REPORT OF ANALYSIS

Aquathin of Orlando
Attn: Robert C. Brotsch
Post Office Box 3571
Longwood, Florida 32779

Report #: 41063 (3467)
Sampled by: Client
Date sampled:
Date received: 01-31-84
Date reported: 03-29-84

IDENTIFICATION: Aquathin Water Purification Unit.

RESULTS OF ANALYSIS

DETERMINATION	SAMPLE
Results expressed in ug/l.	
Ethylene Dibromide, EDB	<0.1

NOTE: Influent spike concentration = 20 ppb.

Results expressed in mg/l unless otherwise designated. < = Less Than.
Our Florida Department of Health & Rehabilitative Service Identification Number is 83141.

Respectfully submitted,
ORLANDO LABORATORIES, INC.

Chemist/Biologist / Chemist/Biologist / Chemist/Biologist

Water Bacteriological Analysis Report

Authorized Collector (Signature and Title): G Paul Schutt P.S.

Sample Collection Date Mo.	Day	Yr.	Sample Time	Date Laboratory Received Mo.	Day	Yr.
08	04	86	1560	8	5	86

Where Sample was taken:

(1) Clark Doering

(2) Address: Rt 1 Box 39-A County: Meade

(3) City: Guston 40142 Phone: 547-6279

Chlorine Residual at Collection: ppm _____ Total ppm _____ Free

	Check one of the following:	Source of Sample	Specimen Unsatisfactory (Submit another sample)
☐ Public	☑ Doctor's request	☐ Stream	☐ Broken-Leaked
☐ Semi-Public	☐ Milk Program	☐ Impounded	☐ Sample not dated
☒ Private	☐ FHA/VA	☐ Spring	☐ Insufficient Quantity
	☐ Adoptive Child Home	☐ Cistern	☐ Received later than 30 hours after collection
	☐ Other:	☒ Well	
		☐ Other:	

Results & Remarks:
- ☐ Negative for Coliform Organisms
- ☑ Confluent Growth
- ☐ Too Numerous to Count
- ☑ Coliform Organisms Present

Coliforms/100ml.: _____

Fecal Coliforms per 100ml. _____ Amt. Filtered 50

Laboratory Analysis Date	Time-Exam	Date Reported	Analyst	Cabinet for Human Resources LAB-507 (Rev. 4-86)
8-5-86	1PM		GC	

AUG 7 1986

Aqua Fin. FY.

Water Bacteriological Analysis Report

Authorized Collector (Signature and Title): G P Schutt P.S.

Sample Collection Date Mo.	Day	Yr.	Sample Time	Date Laboratory Received Mo.	Day	Yr.
08	04	86	1500	8	5	86

Where Sample was taken:

(1) Clark Doering W.P.

(2) Address: RH 1 Box 39-A County: Meade

(3) City: Guston 40142 Phone: 8547-0279

Chlorine Residual at Collection: ppm _____ Total ppm _____ Free

	Check one of the following:	Source of Sample	Specimen Unsatisfactory (Submit another sample)
☐ Public	☑ Doctor's request	☑ Stream	☐ Broken-Leaked
☑ Semi-Public	☐ Milk Program	☐ Impounded	☐ Sample not dated
☐ Private	☐ FHA/VA	☐ Spring	☐ Insufficient Quantity
	☐ Adoptive Child Home	☐ Cistern	☐ Received later than 30 hours after collection
	☐ Other:	☑ Well	
		☐ Other:	

Results & Remarks:
- ☑ Negative for Coliform Organisms
- ☐ Confluent Growth
- ☐ Too Numerous to Count
- ☐ Coliform Organisms Present

Coliforms/100ml.: 0 0 0 2 0

Fecal Coliforms per 100ml. _____ Amt. Filtered 50

Laboratory Analysis Date	Time-Exam	Date Reported	Analyst	Cabinet for Human Resources LAB-507 (Rev. 4-86)
8-5-86	11AM	AUG 7 1986	GC	

SPECTRA GROUP

June 4, 1985

Aquathin Corporation
3175 S. Whitetree Circle
Cincinnati, Ohio 45236

OFFICIAL REPORT OF ANALYSIS

Your Ref. Aquathin unit
Our Ref. FO402/2

We received the Aquathin unit on April 2, 1985. The Aquathin unit is an ion exchange and reverse osmosis system, developed to purify existant clean water supplies. In setting up our tests of this product, consideration was given to local conditions and contaminates. We manufactured water for this test from laboratory reagents and distilled water. The test was set up as a worst case scenario. The water we made and passed through the filter, would under no circumstances be drinkable. See table below:

CONTAMINATES	AMOUNT BEFORE TREATMENT	AMOUNT AFTER TREATMENT	% IMPROVED
Manganese	100 ppm	0.005 ppm	99.9+ %
Iron	10 ppm	0.01 ppm	99.9+ %
Magnesium	100 ppm	0.275 ppm	99.9+ %
Calcium	100 ppm	3.2 ppm	96.8+ %
Chromium	50 ppm	<0.005 ppm	99.9+ %
Potassium	78 ppm	0.24 ppm	99.7 %
Sodium	112 ppm	0.065 ppm	99.9+ %
Aluminum	50 ppm	<0.005 ppm	99.9+ %
Flouride	10 ppm	0.17 ppm	98.3 %
Chlorides	820 ppm	4.1 ppm	99.5 %
Carbonates	130 ppm	0.084 ppm	99.9+ %
Sulfates	175 ppm	1.0 ppm	99.9+ %
Benzene	50 ppm	<0.1 ppm	99.9+ %
Chloroform	50 ppm	<0.1 ppm	99.9+ %

Please note that normal tap and well water is no where near this contaminated, the normal levels of contaminates are generally much less.

Thank You,

J.A. Roche, Jr.
Spectra/Group

JAR/smb

5550 Este Avenue Cincinnati, Ohio 45232 (513) 641-0188

NEILSON RESEARCH CORPORATION

446 HIGHLAND DRIVE
MEDFORD, OREGON 97504
(503) 770-5678

NRC# 8-4665
RECEIVED: 9-21-88
TIME: 9:20 a.m.
REPORTED: 9-29-88

CLIENT MAILING ADDRESS:

E. Sierens/ Aquathin
910 Vallejo St.
Santa Rosa, CA 95404

PHONE 707-546-6646

SAMPLE LOCATION:

Santa Rosa City Water

COLLECTION DATA

SOURCE : City Water
CHLORINATED : Yes
SAMPLE POINT: Not Listed

TIME COLLECTED : 7:00 a.m.
DATE COLLECTED : 9-19-88
COLLECTOR'S NAME: Ed Sieren

TOP 10 CONTAMINANTS

TESTS	METHOD	UNITS	LIMITS	RESULTS	ANALY
pH	SM 423	pH Units	6.0-9.0	7.41	CM/JN
Specific Conductance	SM 205	uMHO/CM	N.L.	240	CM/JN
Arsenic, As	EPA 206.2	mg/L	0.050	ND@0.005	CM/JN
Boron, B	SM 404A	mg/L	1.0-4.0	0.28	CM/JN
Chlorides, Cl	SM 407A	mg/L	250	6	CM/JN
Fluoride, F	SM 413AC	mg/L	1.4-2.4	ND@ 0.05	CM/JN
Hardness as CaCO3	SM 314B	mg/L	250	116	CM/JN
Iron, Fe	SM 303A	mg/L	0.300	ND@ 0.05	CM/JN
Lead, Pb	SM 303B	mg/L	0.020	ND@0.002	CM/JN
Manganese, Mn	SM 303A	mg/L	0.050	ND@0.005	CM/JN
Nitrate, NO3 as N	D992-71	mg/L	10.0	0.15	CM/JN
Sodium, Na	EPA 273.1	mg/L	N.L.	8.6	CM/JN

Approved by: Jay Tucker

ND = None Detected at level indicated

NEILSON RESEARCH CORPORATION

446 HIGHLAND DRIVE
MEDFORD, OREGON 97504
(503) 770-5678

NRC# 8-4665
RECEIVED: 9-21-88
TIME: 9:29 a.m.
REPORTED: 9-29-88

CLIENT MAILING ADDRESS:

Ed Sierens/ Aquathin
910 Vallejo St.
Santa Rosa, CA 95404

PHONE 707-546-6646

SAMPLE LOCATION:

Santa Rosa City Water

COLLECTION DATA

SOURCE : City Water
CHLORINATED : Yes
SAMPLE POINT: Purified

TIME COLLECTED : 7:00 a.m.
DATE COLLECTED : 9-19-88
COLLECTOR'S NAME: Ed Sieren

TOP 10 CONTAMINANTS

TESTS	METHOD	UNITS	LIMITS	RESULTS	ANALY
pH	SM 423	pH Units	6.0-9.0	5.7	CM/JN
Specific Conductance	SM 205	uMHO/CM	N.L.	3	CM/JN
Arsenic, As	EPA 206.2	mg/L	0.050	ND@0.005	CM/JN
Boron, B	SM 404A	mg/L	1.0-4.0	ND@ 0.05	CM/JN
Chlorides, Cl	SM 407A	mg/L	250	ND@ 2.0	CM/JN
Fluoride, F	SM 413AC	mg/L	1.4-2.4	ND@ 0.05	CM/JN
Hardness as CaCO3	SM 314B	mg/L	250	4	CM/JN
Iron, Fe	SM 303A	mg/L	0.300	ND@ 0.05	CM/JN
Lead, Pb	SM 303B	mg/L	0.020	ND@0.002	CM/JN
Manganese, Mn	SM 303A	mg/L	0.050	ND@0.005	CM/JN
Nitrate, NO3 as N	D992-71	mg/L	10.0	ND@ 0.05	CM/JN
Sodium, Na	EPA 273.1	mg/L	N.L.	ND@ 1.0	CM/JN

Approved by: Jay Bailey

ND = None Detected at level indicated

MARTEL

Certificate of Laboratory Analysis

Martel Laboratory Services, Inc. 1025 Cromwell Bridge Road Baltimore, Maryland 21204 (301) 825-7790

Invoice Number 00776

Sample W-3340

One water sample received by Martel.

Aquathin Corporation
301 Warren Avenue, Apt. 313
Baltimore, Maryland 21230
Attention: Mr. Jeffory Adams

September 18, 1987

Client Identification: AQUATHIN

Log Identification: W-3340
Date Received: 09/04/87

Sample Id: Tapwater, after treatment

Volatile Organic Compounds, ug/l

Benzene	<1
Ethylbenzene	<1
Toluene	<1

All procedures followed were in accordance with EPA-600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", or "Standard Methods for the Examination of Water and Wastewater", 16th Edition, APHA, 1985.

Robert G. Edwards, Ph.D.
President

aquathin

May 23, 1986

Dear Florida Aquathin Dealer:

Aquathin is pleased to announce that the "AQUATHIN PROCESS" is approved in Florida by Medicare for producing water for home hemodialysis machines.

CODE NUMBER
R 4763

The code number above has been issued to you for use in submitting claims for services covered under Blue Shield and/or Medicare Part B.

Please request your insurance clerk to write this number on each claim you submit. Use of this code number will help us expedite payments for covered services.

If we can be of further assistance, please feel free to call on us.

NOTE: If you are an automated claim sender, we must have a new Agreement on file for every address change as well as any provider additions or deletions.

Thank you,

Nancy Andrews

Master Registry Department
Blue Cross and Blue Shield of Florida

4712-481PS

FOR BETTER WATER FOR ALL &
Warmest regards,

Alfie

Alfred J. Lipshultz
President

AJL/brk

2800 West Cypress Creek Blvd., Ft. Lauderdale, FL 33309, (305) 772-0343

Date Received.

PARTIAL CHEMICAL ANALYSIS OF WATER

Location Code (1-3)

1984 NOV 26 PM 2 21

SANITARY BACTERIOLOGY & CHEMISTRY SECTION

2558

Give all known information—Type or Print with soft lead or black ink. LAB NO.

1. Report Results to: Macomb County Health Department — Phone No:
   Street Address: MACOMB COUNTY HEALTH CENTER 43525 Elizabeth
   Post Office — State—Zip Code: Mount Clemens, Michigan 48043
2. Reason for Analysis (check): ☑ Routine ☐ Other (Describe on separate sheet)
3. Supply Owner: TERRY WRIGHT — Phone No.
4. Sample Collected at—Street Address: 7290 REBER — Township: Shelby — Section No.:
5. Sample Collected at—Post Office (MI), Zip Code: Utica 48087 — County: macomb
6. Sample Collected by (name): I-1 11-15 nm — Time—24 hr. Format (4-7): 1121 — Date: (8-13): 11 15 84
7. Sampling Point (circle): Faucet, pump, corp tap, other — Source (circle): Well, surface water — Well No. — Age (yrs.)—Depth (ft.)—Diam. (in.): 15 45 2
8. Check and complete following line only if sampling a public water supply.
9. Name of Supply: — WSSN (14-20) — Sample Type (21)

LAB ID (22-26) 00001 DO NOT WRITE BELOW—LABORATORY RESULTS

Code (27-30)	Parameter	*Result (31-34)

LAB NO. 8411-02558 (1) PROGRAM: 80

IRON (AUTOMATED)	Not Detected
SODIUM (AUTOMATED)	62mg/l
NITRATE AS N (AUTOMATED)	15.3mg/l
HARDNESS AS CaCO3 (AUTOMATED)	313mg/l
CONDUCTIVITY (AUTOMATED)	682mmhos
CHLORIDE (AUTOMATED)	128mg/l
FLUORIDE (AUTOMATED)	Not Detected

Examiner

(*Unless otherwise indicated results given as mg./l)

Date Reported (35-40) DEC 3 1984

Laboratory MICHIGAN DEPARTMENT OF PUBLIC HEALTH

BEFORE

Date Received:

PARTIAL CHEMICAL ANALYSIS OF WATER

Location Code (1-3)

1984 NOV 26 PM 2 21

SANITARY BACTERIOLOGY & CHEMISTRY SECTION

2551

Give all known information—Type or Print with soft lead or black ink. LAB NO.

1. Report Results to: Macomb County Health Department — Phone No:
   Street Address: MACOMB COUNTY HEALTH CENTER 43525 Elizabeth
   Post Office — State—Zip Code: Mount Clemens, Michigan 48043
2. Reason for Analysis (check): ☑ Routine ☐ Other (Describe on separate sheet)
3. Supply Owner: TERRY WRIGHT — Phone No.
4. Sample Collected at—Street Address: 7290 REBER — Township: Shelby — Section No.:
5. Sample Collected at—Post Office (MI), Zip Code: Utica 48087 — County: macomb
6. Sample Collected by (name): I-1 11-15 T — Time—24 hr. Format (4-7): 1132 — Date: (8-13): 11 15 84
7. Sampling Point (circle): Faucet, pump, corp tap, other — Source (circle): Well, surface water — Well No. — Age yrs —Depth (ft.)—Diam. (in.): 15 48 2
8. Check and complete following line only if sampling a public water supply.
9. Name of Supply: — WSSN (14-20) — Sample Type (21)

LAB ID (22-26) 00001 DO NOT WRITE BELOW—LABORATORY RESULTS

Code (27-30)	Parameter	*Result (31-34)

LAB NO. 8411-02551 (1) PROGRAM: 80

IRON (AUTOMATED)	Not Detected
SODIUM (AUTOMATED)	Not Detected
NITRATE AS N (AUTOMATED)	Not Detected
HARDNESS AS CaCO3 (AUTOMATED)	Not Detected
CONDUCTIVITY (AUTOMATED)	Not Detected
CHLORIDE (AUTOMATED)	Not Detected
FLUORIDE (AUTOMATED)	Not Detected

Examiner

(*Unless otherwise indicated results given as mg./l)

Date Reported (35-40) DEC 3 1984

Laboratory MICHIGAN DEPARTMENT OF PUBLIC HEALTH

AFTER

ic

For Instructions See Reverse
North Dakota State Department of Health
BACTERIOLOGICAL WATER ANALYSIS
For Private Supplies, Swimming Pools, Beaches, Wastewater, and Official Reports of Public Drinking Water Systems

FOR LABORATORY USE ONLY

2019

MUST BE COMPLETED BY COLLECTOR

Name of Collector: ______
Telephone No.: ______
Collection Site No. Raw water before osmosis ~~treatment~~
Time Collected: pm
Date Collected: 8-5-91
Remarks: nitrate test only

☐ PUBLIC WATER SYSTEM
Name of Public Water System: ______
Free Chlorine Residual ______ mg/l
(Coliform Analysis)

☐ PRIVATE WATER SYSTEM
Well Diameter: ______
Depth of Well: ______
(Coliform and/or Nitrate Analysis)

☐ SWIMMING POOL
pH ______
Free Chlorine Residual ______ mg/l
Total Chlorine Residual ______ mg/l
(Standard Plate Count and Coliform Analysis)

☐ LAGOON
(Fecal Coliform Analysis)

DO NOT WRITE IN THIS BLOCK · Laboratory Report

ANALYSIS METHOD:
☐ Membrane Filter
☐ Fermentation Tube

COLIFORMS per 100 ml (or number of positive tubes) ______
☐ Satisfactory
☐ Unsatisfactory - send daily check samples from the same collection site until two consecutive samples are satisfactory.

Sample voided for the following reason:
—SEND REPLACEMENT—
☐ Confluent growth
☐ Too numerous to count
☐ Sample too old
☐ Other ______

STANDARD PLATE COUNT ______
☐ Satisfactory
☐ Unsatisfactory

FECAL COLIFORMS per 100 ml ______
☐ Satisfactory
☐ Unsatisfactory

NITRATES: 10 mg/l
☐ Satisfactory
☒ Unsatisfactory

Time Received: 2:30 pm
Date Received: 8-5-91
Analyst: TC
Comments: ______

FILL IN NAME AND ADDRESS OF PERSON TO RECEIVE REPORT

Name: Dave Smith
Address: P.O. Box 3123
City: Minot North Dakota Zip Code: 58701

Enter your assigned Public Water System Identification Code Number ______

Pd 8-5-91 TC

For Instructions See Reverse
North Dakota State Department of Health
BACTERIOLOGICAL WATER ANALYSIS
For Private Supplies, Swimming Pools, Beaches, Wastewater, and Official Reports of Public Drinking Water Systems

FOR LABORATORY USE ONLY

2018

MUST BE COMPLETED BY COLLECTOR

Name of Collector: Aquathin
Telephone No.: Town & Country Center, Sawyer ND
Collection Site No. Reverse Osmosis Sample
Time Collected: am
Date Collected: 8-5-91
Remarks: ______

☐ PUBLIC WATER SYSTEM
Name of Public Water System: ______
Free Chlorine Residual ______ mg/l
(Coliform Analysis)

☐ PRIVATE WATER SYSTEM
Well Diameter: ______
Depth of Well: ______
(Coliform and/or Nitrate Analysis)

☐ SWIMMING POOL
pH ______
Free Chlorine Residual ______ mg/l
Total Chlorine Residual ______ mg/l
(Standard Plate Count and Coliform Analysis)

☐ LAGOON
(Fecal Coliform Analysis)

DO NOT WRITE IN THIS BLOCK · Laboratory Report

ANALYSIS METHOD:
☒ Membrane Filter
☐ Fermentation Tube

COLIFORMS per 100 ml (or number of positive tubes) <1
☒ Satisfactory
☐ Unsatisfactory - send daily check samples from the same collection site until two consecutive samples are satisfactory.

Sample voided for the following reason:
—SEND REPLACEMENT—
☐ Confluent growth
☐ Too numerous to count
☐ Sample too old
☐ Other ______

STANDARD PLATE COUNT ______
☐ Satisfactory
☐ Unsatisfactory

FECAL COLIFORMS per 100 ml ______
☐ Satisfactory
☐ Unsatisfactory

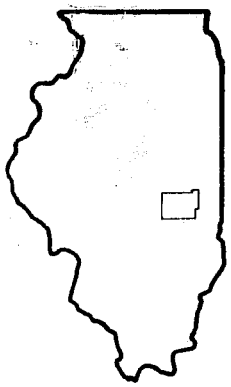
NITRATES: <2 mg/l
☒ Satisfactory
☐ Unsatisfactory

Time Received: 2:30 pm
Date Received: 8-5-91
Analyst: TC
Comments: ______

FILL IN NAME AND ADDRESS OF PERSON TO RECEIVE REPORT

Name: Dave Smith
Address: P.O. Box 3123
City: Minot North Dakota Zip Code: 58701

Enter your assigned Public Water System Identification Code Number ______



Coles County Health Department

P.O. BOX 604 • CHARLESTON, ILLINOIS 61920

August 5, 1986

Mr. R.E. Hardin
The Water Shop
R.R. #1
Humboldt, Illinois 61931

Dear Mr. Hardin,

Enclosed is the laboratory results from a water sample you had submitted for Max White, R.R. #4, Mattoon, Illinois on July 22, 1986. A general bacteria analysis was requested.

The sample had no growth of coliform bacteria and is considered safe for drinking and culinary use. The nitrate level is satisfactory.

The MBAS level is within safe concentration for potable water.

Private water supplies should be tested often, at least every six (6) months to insure the safeness of the water. Water bottles can be acquired from our office Monday thru Friday from 8:30 a.m. to 4:30 p.m.

If you have any questions, need information concerning a water problem or would like assistance in inspecting your well, please contact us at 825 18th Street, Charleston, Illinois 61920, telephone 348-0530 (Charleston) or 258-0530 (Mattoon).

Sincerely,

Daniel Stretch
Director of Environmental Health

DS:gaw

Enclosure: Water sample form #02343

ILLINOIS DEPARTMENT OF PUBLIC HEALTH
DIVISION OF LABORATORIES

12343

PRIVATE WATER SUPPLY SAMPLE FORM

SAMPLES SHOULD REACH LABORATORY WITHIN 30 HOURS AFTER COLLECTION

COMPLETE ITEMS 1 – 8 IN BOX. USE BLACK PENCIL OR BLACK TYPING
COLLECTOR – PREPARE ONE FORM FOR EACH SAMPLE.

1a. NAME OF SOURCE OR FACILITY NAME: MAX WHITE (NAME OF SOURCE)

1b. ADDRESS OF SOURCE: RR# 4 (STREET/RURAL ROUTE/ROAD)

MATTOON (CITY/TOWN/STATE) | IL | 61938 (ZIP CODE) | C 29 (COUNTY CODE (SEE BACK))

2. DATE COLLECTED: 7 (MO) | 24 (DAY) | 86 (YR)

3. TIME COLLECTED: (AM) | 600 (PM)

4. IS SUPPLY CHLORINATED? 1 YES ☐ 0 NO ☒

SAMPLE POINT DESCRIPTION (OPTIONAL)

5. NAME OF COLLECTOR: R & Hardin

6. SOURCE OF SUPPLY IS: *(CHECK APPROPRIATE BOX & COMPLETE WHERE NECESSARY)* just city water

a. WELL (IF WELL - CHECK ONE BELOW): DUG ☐ D; DRILLED ☐ R; DRIVEN ☐ V; BORED ☐ B

IF WELL ENTER DEPTH FEET

(IF OTHER THAN WELL CHECK ONE BELOW): b. CITY WATER ☒ Y; c. CISTERN ☐ C; d. SPRING ☐ S; e. LAKE ☐ L; f. OTHER ☐ O

7. SAMPLE LOCATION: a. RAW AT PUMP ☐ P; b. FILTERED ☐ F; c. AT TAP ☒ N; d. OTHER ☐ O

8. MAIL REPORT TO:

NAME: THE WATER SHOP

STREET, RR, ETC: RR#1

CITY/STATE: Hamilton IL ZIP CODE: 62341

TELEPHONE NBR: 217 - 847 - 3343

REMARKS:

OFFICIAL USE

9. MICROFILM NO:
10. TRAN. CODE: 5,5
11. REGION OR LHD:
12. LABORATORY ID: 001
13. PROGRAM CODE:
14. COLLECTOR ID:
15. FACILITY ID:

FOR LABORATORY USE ONLY

16. RESULTS:

PARAMETER	ID		UNIT*
TOTAL COLI (MF)	3010		H
TOTAL COLI (MPN)	3011	<2.2	H
FECAL COLI	3030		H
FECAL STREP	3090		H
NITRATE (QUAL)	1220	<10	L
NITRATE (QUAN)	1230		L
MBAS		0.46	L

*CODE UNIT AS FOLLOWS:
% = PERCENT; A = GRAMS; B = /GM.; C = DEGC; F = DEGF; H = /100ML.; I = MICROGRAM./L.; J = /100GM.; L = MG./L; M = /ML.; O = COLOR; T = TU; U = MICROGM./ML.; X = PPM; Y = PPB

17. DATE RECEIVED AT LABORATORY: MO 7 | DAY 24 | YR 86 TIME: AM 9 00 | PM 9:30AM 03 CP

18. DECHLORINATED BOTTLE? 1 YES ☐ 0 NO ☒

WORK AREA:

10	1	.1	.01	.001	MEMBRANE FILTER	
					COLIFORM	FILTER COLIFORM

19. DATE REPORTED FROM LABORATORY: MO 7 | DAY 26 | YR 86 ANALYST JW

8/1/86 KW

In Compl. by phone 7-28-86

16b. INTERPRETATION OF RESULTS:

COLIFORM	NITRATE	TURBIDITY
☐ SATISFACTORY	☐ SATISFACTORY	☐ SATISFACTORY
☐ UNSATISFACTORY	☐ UNSATISFACTORY	☐ UNSATISFACTORY

REMARKS:

LHD STAMP

Coles County Public Health Dep't
P. O. Box 601
Charleston, Ill. 61920

Analytical Chemistry
Bacteriology
EPA Certified
State Certified
USDA Certified

Water Analysis & Consulting, Inc.
304 BLAIR BLVD. • EUGENE, OREGON 97402
503-485-8404

Lab Report No. 061551
Inv. No.: Pd 5330
Cust. PO No.: _____

WELL WATER TESTING – INDIVIDUAL RESIDENCE

NAME Sundance Solar
ADDRESS 4093 W. 11th Street
Eugene, Oregon 97402
LOCATION Rogers Lane, Dexter
Allen

SOURCE Ground
COLLECTED BY Bill Curry
COLLECTED DATE 3/14/86
RECEIVED DATE 3/14/86
ANALYZED DATE 3/14/86

SAMPLE POINT RO/DI
BOTTLES WACI
TIME 1000
TIME 1250
TIME 1430

ANALYSES	MAXIMUM CONTAMINANT LEVELS*		RESULTS	
X Arsenic	0.05	mg/l	<0.01	mg/l
___ Hardness (as $CaCO_3$)				mg/l
___ Iron (Total)	0.3	mg/l		mg/l
___ pH				
___ Specific Conductance				umho/cm
___ Total Dissolved Solids (as $CaCO_3$)	500	mg/l		mg/l
___ Turbidity	5	NTU		NTU
___ Verified Coliform Bacteria (MF)	<1	/100ml		/100ml
___ _____				
___ _____				

Water sample DOES _____ DOES NOT _____ conform to accepted standards for coliform organisms as specified by 1975 Federal "Safe Drinking Water Act".

Roy E. White 3/17/86
Analyst Date

* MCL's taken from 1975 Federal Primary and Secondary Interim Drinking Water Standards

PAAUIJAZ RUEVHOQ0170 1251523-UUUU--RUDKRW RUFHSK RUFHNK RUDKPN RUEHVI
RUEHDC.
CITA
P 051523Z MAY 86
FROM RUEVHOQ/USDOC/DISTDIR/MIAMI
TO RUDKRW/AMEMBASSY/WARSAW
RUFHSK/AMEMBASSY/STOCKHOLM
RUFHNK/AMEMBASSY/HELSINKI
RUDKPN/AMEMBASSY/COPENHAGEN
RUEHVI/AMEMBASSY/VIENNA
INFO RUEHDC/USDOC/WASH DC
BT
UNCLAS MIAMI 0170

FOR FCS

SUBJECT: REMOVAL OF RADIOACTIVITY IN WATER

MIAMI DISTRICT OFFICE HAS IDENTIFIED A COMPANY, AQUATHIN CORP., WHOSE WATER PURIFYING SYSTEM IS CAPABLE OF REMOVING WATER CONTAMINANTS INCLUDING RADIOACTIVITY FOR POINT OF USE DRINKING WATER SYSTEMS. THE PROCESS UTILIZES REVERSE OSMOSIS AND DEIONIZATION. THE WATER FILTER SYSTEM IS REGISTERED WITH E.P.A.

ACTION: PLEASE HAVE INTERESTED PARTIES CONTACT ALFRED LIPSCHULTZ, PRESIDENT, AQUATHIN CORP., 2800 W. CYPRESS CREEK ROAD, FT. LAUDERDALE, FL. 33309, TEL: (305) 977-7997.
DVOGT

USDOC/MIAMI/COSIMI
BT
0170

<<>>>>>>>>NNNN§

TELEX FROM MIAMI OFFICE U.S. DEPT. COMMERCE

STATE OF MARYLAND
DEPARTMENT OF HEALTH AND MENTAL HYGIENE
Laboratories Administration
201 W. Preston Street
J. Mehsen Joseph, Ph.D., Director

TRACE ORGANICS LABORATORY
VOLATILE ORGANICS ANALYSIS

BOTTLE NUMBER: WA-2

Name of County: BA Co

SOURCE OF SAMPLE: WATTY'S 14242 Jarrettsville Pike

COLLECTOR: [illegible] / J. Jolly

SAMPLE TYPE: ______ DISTRIBUTION ✓ SOURCE ______ OTHER (specify) ______

Community ______ noncommunity ______ private ______

Landfill observation well ______ stream ______ tidal waters ______

Industrial effluent ______ STP sampling station ______ STP effluent ______

Chlorinated ______ preserved with thiosulfate ______

Reason for submitting sample: Trihalomethane Survey ______

Suspected Industrial Chemical Contamination ✓

Suspected Petroleum (gasoline, etc.) Contamination ✓

Other (specify) ______

REMARKS: hand sink
screen for priority volatile pollutants

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
	0	3									[illegible]							
TRANS TYPE	COUNTY		PLANT NO				SAMPLING STATION				DATE COLLECTED						CARD NO	

FIELD pH (20, 21, 22): ______

FIELD RESID. CHLORINE: FREE (23, 24) ______ TOTAL (25, 26) ______

Purgeable Halocarbons (EPA 601)

Compound	Result	Compound	Result
[Chl]oromethane	≤1	trans-1,3-Dichloropropene	<1
[Bro]momethane	↓	Trichloroethene	↓
[Dic]hlorodifluoromethane	↓	Dibromochloromethane	↓
[Vin]yl chloride	↓	1,1,2-Trichloroethane	↓
[Chl]oroethane	↓	cis-1,3-Dichloropropene	↓
[Me]thylene chloride	↓	2-Chloroethylvinylether	↓
[Tri]chlorofluoromethane	↓	Bromoform	↓
[1,1-]Dichloroethene	↓	1,1,2,2-Tetrachloroethane	↓
[1,1-]Dichloroethane	↓	Tetrachloroethene	↓
[tran]s-1,2-Dichloroethene	↓	Chlorobenzene	↓
[Chl]oroform	↓	Total Trihalomethanes	
[1,2-]Dichloroethane	66		
[1,1,]1-Trichloroethane	≤1		
[Car]bon Tetrachloride	↓		
[Bro]modichloromethane	↓		
[1,2-]Dichloropropane	↓		

Other Purgeable Organics:

1,2-Dibromoethane = 3

Purgeable Aromatics

Compound	Result
Benzene	920
Toluene	60
Ethylbenzene	20
Total Xylenes	95
Total Purgeable Hydrocarbons	2,090
Tetrahydrofuran	INT
(2-Butanone) (MEK)	↓
Methylisobutylketone (MIBK)	↓
Acrolein	↓
Acrylonitrile	↓

Results reported in micrograms per liter (parts per billion)

DATE RECEIVED FEB 27 1986 DATE REPORTED MAR 6 1986 CHEMIST [signature] LAB. NO. 002873

DHMH 740 3/86

LANCASHIRE COUNTY ANALYST'S DEPARTMENT

D.W.LORD M.Chem.A., C.C[illegible], M.R.S.C., PUBLIC ANALYST AND AGRICULTURAL ANALYST
FOR THE COUNTIES OF LANCASHIRE AND CUMBRIA
COUNTY LABORATORY, PEDDARS LANE ROAD, DOCK ESTATE, PRESTON.

****

POTABLE WATER REPORT

OUR REFERENCE...W.4267 YOUR REFERENCE...BY/CHEM/24/88 TOWNLEY ARMS KITCHEN
RECEIVED FROM...BURNLEY BC...ON...10/8/88

****

PARAMETER	LEVEL FOUND	EC DIRECTIVE 80/778/EEC GUIDE LEVEL	EC DIRECTIVE 80/778/EEC MAXIMUM ADMISSIBLE CONCENTRATION
COLOUR (HAZEN UNITS)		1	20
TURBIDITY (J.T.U)		0.4	4
ODOUR DILUTION NUMBER		0	2 at 12 C 3 at 25 C
TASTE DILUTION NUMBER		0	2 at 12 C 3 at 25 C
PH		6.5 to 8.5	5.5(MRC) to 9.5
CONDUCTIVITY uS/cm		400	1500
CHLORIDES(Cl) mg/l		25	400
SULPHATES(SO4) mg/l		25	250
FLUORIDES(F) ug/l		-	-
OXIDISABILITY(O2) mg/l		2	5
CALCIUM(Ca) mg/l		100	250
MAGNESIUM(Mg) mg/l		30	50
SODIUM(Na) mg/l		20	175
POTASSIUM(K) mg/l		10	12
ALUMINIUM(Al) mg/l		0.05	0.2
COPPER(Cu) ug/l		100	3000
IRON(Fe) ug/l		50	200
LEAD(Pb) ug/l	<20	-	50
MANGANESE(Mn) ug/l		20	50
ZINC(Zn) ug/l		100	5000
TOTAL HARDNESS(CaCO3) mg/l		-	-
NITRATES(NO3) mg/l		25	50
NITRITES(NO2) mg/l		-	0.1
AMMONIUM(NH4) mg/l		0.05	0.5
FREE CHLORINE(Cl) mg/l		-	-

NOTE: MRC = Minimum Required Concentration

OBSERVATIONS

COUNTY ANALYST

PAGE 1 OF 2

FAO MR. LIPSCHULTZ FAX (0101) 305.978.6812.
FROM BORDERCHAIN LTD. FAX 0384 296780.
REPORT ON LEAD AS DISCUSSED. DELAY REGRETTED.

MLP

LANCASHIRE COUNTY ANALYST'S DEPARTMENT

D. W. LORD M.Chem.A., C.Chem., M.R.S.C., PUBLIC ANALYST AND AGRICULTURAL ANALYST
FOR THE COUNTIES OF LANCASHIRE AND CUMBRIA
COUNTY LABORATORY, PEDDARS LANE ROAD, DOCK ESTATE, PRESTON.

****

NOTABLE WATER REPORT

OUR REFERENCE...W.4268 YOUR REFERENCE...BY/CHEM/25/88
RECEIVED FROM...BURNLEY B.C....ON...10/8/88

****

PARAMETER	LEVEL FOUND	EC DIRECTIVE GUIDE LEVEL	80/778/EEC MAXIMUM ADMISSIBLE CONCENTRATION
COLOUR (HAZEN UNITS)		1	20
TURBIDITY (J.T.U)		0.4	4
ODOUR DILUTION NUMBER		0	2 at 12 C 3 at 25 C
TASTE DILUTION NUMBER		0	2 at 12 C 3 at 25 C
pH		6.5 to 8.5	5.5(MRC) to 9.
CONDUCTIVITY uS/cm		400	1500
CHLORIDES(Cl) mg/l		25	400
SULPHATES(SO4) mg/l		25	250
FLUORIDES(F) ug/l		-	-
OXIDISABILITY(O2) mg/l		2	5
CALCIUM(Ca) mg/l		100	250
MAGNESIUM(Mg) mg/l		30	50
SODIUM(Na) mg/l		20	175
POTASSIUM(K) mg/l		10	12
ALUMINIUM(Al) mg/l		0.05	0.2
COPPER(Cu) ug/l		100	3000
IRON(Fe) ug/l		50	200
LEAD(Pb) ug/l	495	-	50
MANGANESE(Mn) ug/l		20	50
ZINC(Zn) ug/l		100	5000
TOTAL HARDNESS(CaCO3) mg/l		-	-
NITRATES(NO3) mg/l		25	50
NITRITES(NO2) mg/l		-	0.1
AMMONIUM(NH4) mg/l		0.05	0.5
FREE CHLORINE(Cl) mg/l		-	-

NOTE: MRC = Minimum Required Concentration

OBSERVATIONS

LEAD EXCEEDS THE MAXIMUM ADMISSABLE CONCENTRATION

Bijlage: Resultaten Chemisch Onderzoek

Waterleidingbedrijf D.W.L.

Juli 1987.

Parameter		Water voor behandeling		Water na behandeling	Eenheid
Zuurgraad		7.91		5.94	pH
Chloride		1320	<	1	mg/l
Waterstofcarbonaat		425		7	mg/l
Carbonaat	<	1	<	1	mg/l
Elektrisch geleidingsvermogen		412	<	1	mS/m
Totaal chloor		0.1	<	0.1	mg/l
UV-extinctie (bij 254 nm)		1.7		3.2	EXT/m
Ammonium (als N)	<	0.010		0.010	mg N/l
Nitriet (als N)		0.016	<	0.010	mg N/l
Nitraat (als N)		10.7	<	0.20	mg N/l
Sulfaat		775	<	5	mg/l
Natrium		725		2.8	mg/l
Kalium		32.0		0.2	mg/l
Calcium		180		1	mg/l
Magnesium		107.8		0.38	mg/l

Water Purifying equipment :

AQUATHIN subsink HPSSP 2.

J. M. D. & Ass.
Import - Export
Hanssum 10 - 6086 BV Neer
Tel.: 04759 - 2252

Aqua International, Inc.

April 12, 1983

Aquathin Corporation
6303 N.W. 9th Avenue, #8
Fort Lauderdale, Florida 33309

Gentlemen:

We received from you one (1) countertop water purification unit for testing. Upon examination of this unit, we determined that this unit contained a cellulose acetate spiral wound reverse osmosis membrane of 8.3 square feet. This membrane has a flux rate of 10.66 GPD when water pressure of 60 PSI is applied. The brine to permeate is 7 to 1.

Downstream of this spiral wound membrane is a cartridge containing 30 ounces of mixed cationic and anionic resin. Separating this resin from a carbon filter is an 8 micron cellulose fiber filter. At the end of the dionization cartridge is another 8 micron cellulose fiber filter guarding the charcoal filter from flow into the water storage tank.

The volume of the water storage tank below the overflow is 2.91 gallons.

WATER QUALITY TEST
Aquathin Countertop Unit

Feed Pressure 62# Temperature 25°C Results in Mg/l.

Constituent	Feed	Product R/O Only	Product R/O & DI
Calcium (Ca)	27	0.6	0.0
Magnesium (Mg)	18	0.1	0.0
Sodium (Na)	43	5.2	1.6
Potassium (K)	4	0.6	.1
Carbonate (CO_3)	0.0	0.0	0.0
Bicarbonate (HCO_3)	18	3.5	.2
Sulfate (SO_4)	84	0	0.0
Chloride (CL)	100	8.2	2.1
Nitrate (NO_3)	.5	0.2	0.0
Fluoride (F)	1.3	0.1	0.0
Boron (B)	0.2	0.15	0.0
Silica (SiO_2)	23	4.5	.2
Iron (Fe)	.02	0.0	0.0
Manganese	0.0	0.0	0.0
Polyphosphate (PO_4)	0.1	0.0	0.0
Conductivity uMHOS	402	32	4.2

It is impossible to test for the rejection of a constituent that does not exist in the feed water. To determine the rejection of some constituents which did not exist in the feed water used above, we happened to have in our lab a sample of Hackensack River water taken at Little Ferry, New Jersey. We also had a sample of secondary sewage effluent taken from the sewage plant at Little Ferry, New Jersey. The below table shows the percentage of reduction of various constituents when run through the reverse osmosis membrane in the Aquathin countertop unit.

Test Pressure 65 PSI Temperature 25°C

Constituent	Percent Reduction Secondary Sewage Effluent	Hackensack River Water
ABS	98.6	94.8
Ca	97.9	96.6
Cl	95.6	94.5
Cr	100	----
Fe	87.3	100
Total Fe	100	----
K	96.8	83.5
Mg	99.1	98.0
Na	96.6	94.6
NH_3	89.4	79.3
NO_3	73.9	100
PO_4	100	100
SO_4	100	99.5

You requested that the rejection of the reverse osmosis membrane be tested for certain other constituents that did not exist in our domestic water or the two other water samples mentioned above which we had available. These other constituents were certain organics, coliforms and bacteriophages. The attached constituents are those that we could find locally available and the table below show the constituents and percentage of membrane rejection of each constituent.

MEMBRANE REJECTION OF ORGANICS

Constituent	% Rejection	Carbon Absorption After R/O & DI
Lignin Sulfonates	98.1 to 99.4	
TNT	90	
Sucrose	99.9	
Proteins	98 to 100	
MBAS[a]	100	
Phenol	99.1	
Acetic Acid	99.4	
Glucose	99.5+	
S. Narcesene[b]	100	
E. Coli[b]	100	
A. Aerogenes[b]	100	
Coliphage T-7[c]	100	
Coliphage X-175[c]	100	
Typhoid Pyrogen	100	
Temik	100	
THM	75	100%
Dioxin	100	
Nitrates	85	100%
Trichlorethylene	80	100%
PCB	100	

[a]Methylene Blue Active Substances (Anionic Surfactants)
[b]Colliform Bacteria
[c]Bacteriophages

Inspection of the mechanical and hydraulic components of this unit showed them to be built with the highest quality material consonant with this type of equipment and the construction seemed to be neat, rugged and most servicable for domestic water service.

Under separate cover, we are returning this unit to you.

Sincerely,

James Low
Lab Technician

JB/lln

HazWaste®

HazLabs Incorporated
A HazWaste Company

January 12, 1989

Mr. Alfred J. Lipshultz
President
Aquathin, Inc.
2800 West Cypress Creek Rd.
Ft. Lauderdale, Florida 33309

Dear Mr. Lipshultz:

The removal of lead from drinking water by an AQUATHIN Cartridge which contains both Selecto ABA2000 (250 g) and activated carbon (300 g) was investigated in this lab using a continuous flow system as shown in Figure 1.

The influent lead concentration was adjusted to 80 ppb with lead nitrate in tap water (City of Marietta, GA). The lead solution was pumped to the filter at a flow rate of 0.4 gpm. The filter created approximately 5 psi (lb/in^2) of headloss and the headloss remained constant at 0.4 gpm during the breakthrough study.

Table 1 shows the results obtained from the breakthrough study. The filter is able to reduce lead concentration to less than 5 ppb at a flow rate of 0.4 gpm, which is below the EPA's enforceable current (50 ppb) and proposed (5 ppb) drinking water standards.

Based on the capacity of Selecto ABA2000 in adsorbing lead from aqueous solution (i.e., 23 mg lead/g of ABA2000) tested previously in this lab, it is anticipated that the filter is able to process 10,000 gallons of 150 ppb lead-containing water at a flow rate of 0.4 gpm.

Sincerely,

Jong-Soo Kim, Ph.D.
Manager, Treatment Evaluation Division

JSK/ba

Enclosure

2264 NORTHWEST PARKWAY • SUITE F • MARIETTA, GEORGIA 30067
404-988-8184
ATLANTA • ORLANDO • RICHMOND

Table 1. The Removal of Lead by a AQUATHIN Cartridge by the Breakthrough Study

Volume of Lead-Containing Water Processed (gal)	Flow Rate (gpm)	Lead Concentration (ppb)	
		Influent	Effluent
100	0.4	76	<5
200	0.4	81	<5

HAZLABS, INC.
2264 Northwest Parkway, Suite F
Marietta, GA 30067
(404) 988-8184

FILTER EVALUATION DATA
CLIENT: SELECTO, INC.
FILTER TYPE: TF-1000 PROVIDED BY CLIENT
FILTER MEDIA: ABA2000

TEST CONDITIONS:

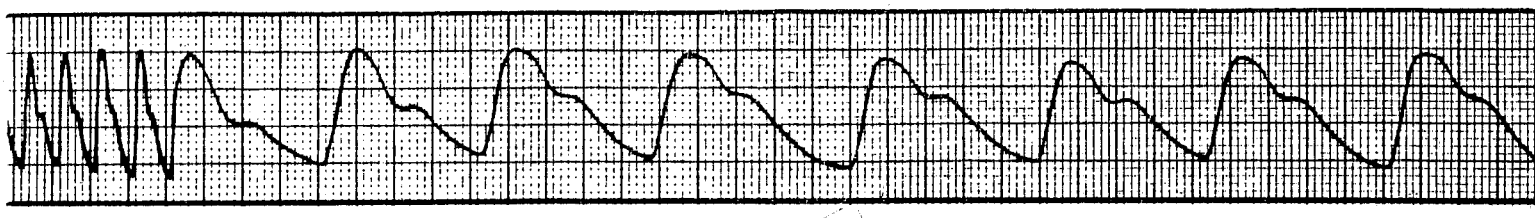
1. Tap water spiked with heavy metals were passed through the Filter at a flow rate of 0.4 gpm.
2. Samples for metal analysis were taken after 20 gallons of water were passed through the Filter.
3. Pressure Drop: 15 psi
4. Influent pH: 8.3

DATE REPORT: 6-16-89 DATE SAMPLE RECEIVED: 6-1-89

RESULTS:

METALS		LEAD CONCENTRATION (mg/l)	
		INFLUENT	EFFLUENT
Lead	(Pb)	150	< 5
Arsenic	(As)	60	< 5
Copper	(Cu)	76	< 5
Cobalt	(Co)	51	< 5
Silver	(Ag)	46	< 5
Nickle	(Ni)	55	< 30
Cadmium	(Cd)	48	< 5
Zinc	(Zn)	50	< 20
Mercury	(Hg)	N/A	N/A
Barium	(Ba)	44	24
Chromium	(Cr)	45	32
Selenium	(Se)	45	42

*** N/A = Not Available



August 20, 1987

Ben Thorpe
Youngquist Brothers Inc.
Water Treatment Division
13611 McGregor Blvd. Suite 8
Fort Myers, Fl 33919

Dear Mr. Thorpe:

As you are well aware I am very happy with the Aquathin subsink reverse osmosis system that your company installed in our home. For the past two years we had used another R.O. system on the market which was advertised to do all of the things that the Aquathin system does indeed do. After discovering through a simple water test that our old R.O. system produced water that was not much better than regular tap water is when you took our old system out and put the Aquathin system in.

Now I am happy to say that our water not only tastes better and the ice cubes are clearer but after testing, this water is indeed pharmaceutically pure water.

My reasons for purchasing this unit were two fold. Number one, to help remove the THM's which is a known carcinogenic agent and second for the reduction of the organic and inorganic substances in our water that contribute heavily to vascular and other degenerative diseases. Since the blood is approximately 83% water, the unwanted substances contribute to the plaque formation in the arteries that ultimately can cause a heart attack, stoke or many other vascular diseases.

For these reasons I highly recommend the Aquathin system for anyone who not only wants a good palatable drinking water but also wants to do something to protect their health from the advesre effects of our inferior drinking water in Southwest Florida.

Sincerely Yours,

Dr. Roy S. White
RSW/cn

Vascular Associates 12934 Kenwood Lane, S.W. Suite 32 Ft. Myers, FL 33907 813/939-4100

ANALYSIS OF AQUATHIN LEAD OUT FILTERS IN SERIES

TECHNICAL TESTING LABORATORIES
A DIVISION OF COMMERCIAL TESTING & ENGINEERING CO.

LABORATORY ANALYSIS REPORT

Aquathin, Inc. Laboratory Number: See Below Respectfully Submitted:

Bathroom Sampled By: Client
Date Sampled: 05/01/90

Date Received: 05/01/90

ANALYSIS: LEAD
METHOD: 239.2
MDL: 5 ug/L
ANALYST: JM
DATE/TIME: 05/02/90 10:00 a.m.

LABORATORY NUMBER	SAMPLE ID	RESULT
AG654-E	First Draw Tap	196
AG655-E	1 Filter	ND
AG656-E	2 Filters	ND

pH (on site): 7.50 (Information provided by Aquathin)

Flow rate: 1.0 gpm (Information provided by Aquathin)

All results expressed as ug/L unless otherwise indicated.

ND: Not detected at a concentration greater than or equal to the Method Detection Limit (MDL).

Methods for Chemical Analysis of Water and Waste, EPA-600/4-79-020, Revised March 1983.

ANALYSIS OF AQUATHIN 100+24K
* GROCERY DISPENSING *

JOHN C. KEPHART & CO.
GRAND JUNCTION LABORATORIES
435 NORTH AVENUE • PHONE 242-7618 • GRAND JUNCTION, COLORADO 81501

ANALYTICAL REPORT

Received from: Waterwise
Aspen, CO

Customer No. _____ **Laboratory No.** 5677 **Sample** water

Date Received 8/23/89 **Date Reported** 9/28/89

Sample	5677 Clark's Market A-1		Limits for public drinking water/Colorado	
Arsenic(As)	0.000	mg/l	0.05	mg/l
Barium(Ba)	0.00	mg/l	1.0	mg/l
Cadmium(Cd)	0.0000	mg/l	0.01	mg/l
Chromium(Cr)	0.000	mg/l	0.05	mg/l
Fluoride(F)	0.03	mg/l	2.4	mg/l
Lead(Pb)	0.000	mg/l	0.05	mg/l
Mercury(Hg)	0.00000	mg/l	0.002	mg/l
Nitrate(N)	0.00	mg/l	10.0	mg/l
Selenium(Se)	0.000	mg/l	0.01	mg/l
Silver(Ag)	0.0000	mg/l	0.05	mg/l
Color(Co/Pt unit)	0		5	
pH	6.0		-	
Conductivity@25 degrees C	8	umhos/cm	-	
Sodium(Na)	0.0	mg/l	20	mg/l
Calcium(Ca)	1	mg/l	-	
Magnesium(Mg)	0	mg/l	125	mg/l
Potassium(K)	0.0	mg/l	-	
Chloride(Cl)	1	mg/l	250	mg/l
Sulfate(SO4)	0	mg/l	250	mg/l
Phenol. Alkalinity(CaCO3)	0	mg/l	-	
Total Alkalinity(CaCO3)	0	mg/l	-	
Bicarbonate(HCO3)	0	mg/l	-	
Carbonate(CO3)	0	mg/l	-	
Dissolved Solids	4	mg/l	500	mg/l
Hardness(CaCO3)	0	mg/l	200	mg/l
Turbidity(NTU)	0		1.0	
Boron(B)	0.000	mg/l	-	
Copper(Cu)	0.017	mg/l	1.0	mg/l
Total Iron(Fe)	0.00	mg/l	0.3	mg/l
Manganese(Mn)	0.000	mg/l	0.05	mg/l
Molybdenum(Mo)	0.000	mg/l	-	
Ammonia(N)	0.00	mg/l	-	
Phosphate(P)	0.05	mg/l	-	
Zinc(Zn)	0.023	mg/l	5.0	mg/l

Lab Dir.: Brian S. Bauer

WATER TEST RESULTS OF PRODUCT WATER -- SYSTEM LOCATED CLARKS'S MARKET / ASPEN, CO.

JOHN C. KEPHART & CO.
GRAND JUNCTION LABORATORIES
435 NORTH AVENUE ♦ PHONE 242-7618 ♦ GRAND JUNCTION, COLORADO 81501

ANALYTICAL REPORT

Received from: Waterwise
Aspen, CO

Customer No. Hamp **Laboratory No.** 6044 **Sample** water

Date Received 9/29/89 **Date Reported** 10/5/89

Sample	6044 Clark's #2		Limits for public drinking water/Colorado	
Copper (Cu)	0.015	mg/l	1.0	mg/l
Zinc (Zn)	0.000	mg/l	5.0	mg/l

Trace Copper Residual results from copper lines after purification — is removed via filter before bottling.

Lab Dir.: Brian S. Bauer

LabHouse
York House, Epsom Downs Office Park, Sloane Street, Epsom Downs, Bryanston 2152
P.O. Box 344, Cramerview 2060, South Africa
Tel: +27 11 463-5760
Fax: +27 11 463-7330
E-mail: labhouse@yebo.co.za

AQUATHIN
PO BOX 2622
RIVONIA
2128

ORIGINAL

Tel: 011 468 2768 **Fax: 011 468 3124**

Attention: Gordon Bastiaans

LABORATORY TEST REPORT

Sample: **Water filter system (Microban) inoculated with *Vibrio cholera* (Before filtration)**
Sample number: LH20011014A
Date: 14/10/2001
Date completed: 21/10/2001

LABORATORY TEST REPORT

Test	Method	Specifications	Result
Total Plate Count for *Vibrio Cholera*	SABS ISO 4833:1991	-	2.5×10^3 cfu/ml
Vibrio cholera detection	SABS 1196:1992	-	Detected

aquathin
BEFORE
100+AS

TRACEY-LEE BOTES
TECHNICAL MANAGER

LabHouse
York House, Epsom Downs Office Park, Sloane Street, Epsom Downs, Bryanston 2152
P.O. Box 344, Cramerview 2060, South Africa
Tel: +27 11 463-5760
Fax: +27 11 463-7330
E-mail: labhouse@yebo.co.za

AQUATHIN
PO BOX 2622
RIVONIA
2128

ORIGINAL

Tel: 011 468 2768 **Fax: 011 468 3124**

Attention: Gordon Bastiaans

LABORATORY TEST REPORT

Sample: **Water filter system (Microban) inoculated with *Vibrio cholera* (After filtration day 1)**
Sample number: LH20011014B
Date: 15/10/2001
Date completed: 21/10/2001

LABORATORY TEST REPORT

Test	Method	Specifications	Result
Total Plate Count for *Vibrio Cholera*	SABS ISO 4833:1991	-	<1.0 X 10^1 cfu/ml
Vibrio cholera detection	SABS 1196:1992	-	Not Detected

aquathin
DAY ONE
AFTER
100+AS

TRACEY-LEE BOTES
TECHNICAL MANAGER

LabHouse
York House, Epsom Downs Office Park, Sloane Street, Epsom Downs, Bryanston 2152
P.O. Box 344, Cramerview 2060, South Africa
Tel: +27 11 463-5760
Fax: +27 11 463-7330
E-mail: labhouse@yebo.co.za

AQUATHIN
PO BOX 2622
RIVONIA
2128

ORIGINAL

Tel: 011 468 2768 **Fax: 011 468 3124**

Attention: Gordon Bastiaans

LABORATORY TEST REPORT

Sample: **Water filter system (Microban) inoculated with *Vibrio cholera* (After filtration day 2)**
Sample number: LH20011014C
Date: 15/10/2001
Date completed: 21/10/2001

LABORATORY TEST REPORT

Test	Method	Specifications	Result
Total Plate Count for *Vibrio Cholera*	SABS ISO 4833:1991	-	<1.0 X 10^1 cfu/ml
Vibrio cholera detection	SABS 1196:1992	-	Not Detected

aquathin
DAY TWO
AFTER
100+AS

TRACEY-LEE BOTES
TECHNICAL MANAGER 083 634 0088

info@aquathin.com

From: <info@aquathin.com>
To: "WILTSHIRE, ROGER / AQUATHIN UK" <aquathin@purewater.co.uk>; "MCCONNELL, DEREK–AQUATHIN UK" <Derek@pureh2o.co.uk>
Sent: Wednesday, October 17, 2001 10:41 AM
Subject: EMAIL FROM DIRECTOR OF U.S. COMMERCE DEPT. MIAMI TO U.S. EMBASSY IN UK

Dear Derek;

I have forwarded John's email onto you. Please send an email of thanks to John.
Warmest regards,
Alfie

> ----- Forwarded by John McCartney/FLORIDA/USFCS/USDOC on 10/17/01 09:57
>
> John McCartney
> Director To: NeedhamRS@state.gov
> Miami cc: David Katz/UNITEDKINGDOM/USFCS/USDOC@USDOC,
> Phone/Fax: Rachel Dodson/FLORIDA/USFCS/USDOC@USDOC
> 954.356.6640 Ext. Subject: Aquathin Corporation
> 12 / 954.356.6644
>
> 10/17/01 10:03 AM
>
> Greetings, Mr. Needham. I am writing on behalf of a client of the US
> Export Assistance Center in Ft. Lauderdale, FL who has brought to my
> attention an opportunity now being pursued to assess the Embassy's water
> supply and to provide a secure, high grade filtering system. I understand
> that you have been visited by Mr. Derek McConnell representing Aquathin in
> the UK under the trade name 'The Pure H2O Company.' Aquathin's president,
> Mr. Alfie Lipshultz, is a veteran member of the Florida District Export
> Council, appointed by the Secretary of Commerce, and as such has been a
> long term supporter of our work in mentoring smaller exporters. Alfie's
> firm is also recipient of the President's E Award for Excellence in
> Exporting. For these reasons, I thought it would be perhaps helpful to
> provide some insight about Aquathin for your consideration in evaluating
> Aquathin's proposal to provide a secure water system to the Embassy.
>
> Established in 1980 Aquathin now produces over 70 patented and trademarked
> devices for markets around the world through more than 600 Aquathin dealers
> servicing the commercial, laboratory and residential markets. Aquathin is
> an E.P.A. registered manufacturer, is ISO 9000 Compliant and received the
> President's Excellence Award and the Nation's Blue Chip Enterprise Award
> from the U.S. Chamber of Commerce. Aquathin has already provided its high grade water systems to a number of U.S. Embassies. Having worked with Alfie for a number of years, I am confident of his high standards and the value of his equipment which, indeed, we elected to purchase for our own office water treatment. Please let me know if I can answer any questions about Aquathin.

NEW
INSERTS

LABORATORIO QUIMICO LAMBDA

Tels.: 286-1168 / 226-4462 • Fax:(506) 226-4462 • Apartado 877-1011 San José, Costa Rica
e.mail : lambda@sol.racsa.co.cr.

RESULTADO DE ANALISIS # **66,939**

---RESULTADO DE ANALISIS BACTERIOLOGICO---

FECHA: 5 DE ENERO DEL 2001. **SOLICITANTE:** GRANJA AVICOLA LOS POLLITOS,SRL

ATENCION: COFASC.

REFERENCIA: MUESTRAS DE AGUA, RECIBIDAS POR EL LABORATORIO QUIMICO LAMBDA EL DIA 3 DE ENERO DEL 2001.

MUESTRA	RECUENTO TOTAL AEROBIO (U.F.C./dL)	COLIFORMES TOTALES (U.F.C./dL)	COLIFORMES FECALES (U.F.C./dL)
AGUA DESPUES DE FILTRO DESINFECTANTE	0	N.M.P. < 2	N.M.P. < 2
AGUA ANTES DE FILTRO DESINFEC.	87000	N.M.P. $6,4 \times 10^4$	N.M.P. < 2

OBSERVACIONES:

- **N.M.P.:** NUMERO MAS PROBABLE.
- METODOS ANALITICOS: STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, 19TH EDITION, 1995.
- CONDICIONES PARA AGUA POTABLE: RECUENTO TOTAL MENOR A 1000, COLIFORMES TOTALES MENORES A 2 Y COLIFORMES FECALES MENORES A 2.
- LA MUESTRA DESPUES DEL FILTRO SE CONSIDERA MICROBIOLOGICAMENTE POTABLE, PERO LA MUESTRA ANTES DEL FILTRO SE CONSIDERA MICROBIOLOGICAMENTE NO-POTABLE,
- CODIGO LAMBDA: 6605A-1-2.

AQUASHIELD ANALYSIS

DESPUES = AFTER
ANTES = BEFORE

LABORATORIO QUIMICO
LAMBDA
Teléfonos: 286-1168 - 226-4462
Apdo. 877-1011 San José, Costa Rica

Dra. ILEANA VEGA
COD. 173

NOTA:
Refiérase al número de este resultado para cualquier consulta.

NEW INSERTS

ANALYTICAL LABORATORIES, INC.
1804 N. 33rd Street
Boise, Idaho 83703
Phone # (208) 342-5515

LABORATORY ANALYSIS REPORT
SAMPLE NUMBER - 22957

Attn. BILL TANNER

AAA WATER PURIFICATION SYSTEMS
10727 W EDNA STREET
BOISE, ID 83713

Time of Collection: **14:00**
Date of Collection: **07/18/00**

Date Received: **07/26/00**
Date Reported: **08/01/00**

Submitted by:

Source of Sample: **"NO" NOT RO SYSTEM**

Test Requested	FRDS #	MCL	Analysis Result	Unit	MDL	Method	Date Completed	Analyst Initials
FLUORIDE DIRECT		4.0	10.4	mg/L	0.10	SM 4500F-C	07/31/00	SH

LABORATORY ANALYSIS REPORT
SAMPLE NUMBER - 22956

Attn. BILL TANNER

AAA WATER PURIFICATION SYSTEMS
10727 W EDNA STREET
BOISE, ID 83713

Time of Collection: **14:00**
Date of Collection: **07/18/00**

Date Received: **07/26/00**
Date Reported: **08/01/00**

Submitted by:

Source of Sample: **"YES" RO SYSTEM**

Test Requested	FRDS #	MCL	Analysis Result	Unit	MDL	Method	Date Completed	Analyst Initials
FLUORIDE DIRECT		4.0	<0.10	mg/L	0.10	SM 4500F-C	07/31/00	SH

THANK YOU FOR CHOOSING ANALYTICAL LABORATORIES, INC. FOR YOUR TESTING NEEDS.

PLEASE CONTACT DAVID BENNETT IF YOU HAVE ANY QUESTIONS REGARDING
THIS REPORT OR ANY FUTURE ANALYTICAL NEEDS.

Roche

Diagnostics

Quito, 8 Junio 20004

CERTIFICADO

Por medio del presente certificamos que los treinta equipos purificadores de agua marca **AQUATHIN** modelo **AQUALITE AQL-TXF**, vendido por la compañía **AQUATHIN ECUADOR**, a nuestra empresa **ROCHE ECUADOR S.A.**, están funcionando satisfactoriamente de acuerdo a los requerimientos de nuestros equipos de laboratorio.

La calidad de agua obtenida brinda garantía, seguridad y confiabilidad. Por su operatibilidad, fácil mantenimiento y servicio de post venta se recomienda la utilización de estos equipos.

Ing. Pablo Benavides
Coordinador Servicio Técnico

Patricio Andrade
Jefe Admin. & Finanzas

RAW WATER RESULT.

KAJUL MEDICAL LABORATORY SERVICES

NO. 29 OHARISI STREET,
UGHELLI, DELTA STATE.
TEL: 053-325034.

Our Ref: _____

Your Ref: _____ *Date:* 7th May, 2004

WATER CHEMICAL ANALYSIS REPORT

CLIENT **ALCON NIG LTD**

SOURCE BORE HOLE WATER FORCADOS

DATE OF SAMPLING 05 – 05- 2004

COLLECTED BY: ALCON NIG LTD

COMPOSITION IN MG/L	RESULTS	NORMAL RANGE (WHO STANDARDS)
PH	6.79	6.5 – 8.0
Temp°C	25	< 30°C>
APPARENT COLOUR	0.03	0.00
TASTE	Unobjectional	Unobjectional
ODOUR	Unobjectional	Unobjectional
TURBIDITY (UNITS)	94.81	25
BICARBONATES	4.7	15.0
CHLORIDES	11.8	15.0
SULPHATES	5.3	7.0
NITRATES	0.8	<1.0
CALCIUM	1.6	3.0
MAGNESIUM	0.8	2.0
SODIUM	2.2	3.0
IRON	2.7	0.5
ZINC	0.3	5.0
FLUORIDES	0.8	0.8
AMMONIA (HN_3)	0.05	<0.2
NITRITES	0.06	<0.2
LEAD	0.00	0.05
TOTAL ALUMINIUM	0.02	1.0
TOTAL SUSPENDED SOLIDS	104	25
TOTAL DISSOLVED SOLIDS	**857**	**500**

REMARK: Water sample is chemical unsafe for human consumption because of the raised values.

KAJUL MEDICAL LAB. SERVICES *29, OHARISI ST. UGHELLI

7/5/04

MEDICAL LAB. SCIENTIST

TREATED WATER RESULT

KAJUL MEDICAL LABORATORY SERVICES

NO. 29 OHARISI STREET,
UGHELLI, DELTA STATE.
TEL: 053-325034.

*Our Ref:*_____

*Your Ref:*_____ *Date:* 14th May, 2004

WATER CHEMICAL ANALYSIS REPORT

CLIENT **ALCON NIG. LTD**

SOURCE BORE HOLE WATER, OBOTOBO

DATE OF SAMPLING 12 – 05 - 2004

COLLECTED BY: ALCON NIG. LTD

COMPOSITION IN MG/L	RESULTS	NORMAL RANGE (WHO STANDARDS)
PH	6.71	6.5 – 8.0
Temp°C	25	< 30°C>
APPARENT COLOUR	0.00	0.00
TASTE	Unobjectional	Unobjectional
ODOUR	Unobjectional	Unobjectional
TURBIDITY (UNITS)	0.00	25
BICARBONATES	3.7	15.0
CHLORIDES	3.0	15.0
SULPHATES	1.1	7.0
NITRATES	0.4	<1.0
CALCIUM	1.0	3.0
MAGNESIUM	0.1	2.0
SODIUM	1.0	3.0
IRON	0.00	0.5
ZINC	0.1	5.0
FLUORIDES	0.01	0.8
AMMONIA (HN_3)	0.01	<0.2
NITRITES	0.01	<0.2
LEAD	0.00	0.05
TOTAL ALUMINIUM	0.01	1.0
TOTAL SUSPENDED SOLIDS	0.54	25
TOTAL DISSOLVED SOLIDS	**9**	**500**

REMARK: Water sample is chemically satisfactory and it is safe for human consumption.

KAJUL MEDICAL LAB. SERVICES *29, OHARISI ST. UGHELLI

14/05/04

MEDICAL LAB. SCIENTIST

AQUATHIN 12,000+24K PPVM
BOTTLING QUANTA WATER
NIGERIA