

THE ON-SITE NewZ DIRECTORY – MANUFACTURERS/SUPPLIERS of ON-SITE DOMESTIC WASTEWATER TREATMENT PLANTS in NZ, 2011 - CONTENTS

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Date: 12 July 2011

Item	Manufacturer/Supplier	Products/Comments
1	Alpha Environmental	Klargester BioDisc
2	Autoflow	Autoflow (vermicomposting/greywater)
3	Biocycle (South) Ltd	Biocycle
4	Biocycle Systems Ltd	BioCycle (1 unit tested)
5	Biolytix Ltd	Biolytix BioPod (1 unit tested)
6	Bio-Microbics	MicroFAST (2 units tested)
7	Burford Lifestyle Water & Effluent	Watercycle
8	CleanStream Sewage Treatment	CleanStream (via Duracrete)
9	Devan Plastics	DB9000 (2 units tested)
10	E-Bin Distributions Ltd	E-BIN
11	Effluent Management Systems	Flowking On-Site Treatment Pant
12	Envirosystems Ltd	Vermicomposter and Wetland
13	Gould Tank Systems (GTS)	Wright Pro tech 10,000
14	Humes Pipeline Systems	Humes FR1 (1 unit tested)
15	Hynds Environmental Systems Ltd	Lifestyle 'Advanced' System (3 units tested)
16	Indigo Ltd	Continuous Biological Treatment (CBT)
17	Innoflow Technologies Ltd	Advantex [Textile Packed Bed Reactor (PBR)] (3 units tested)
18	Jacobs Water Tanks	EnviroTank
19	Jet Waste & Water Systems Ltd	Jet Wastewater Treatment Systems
20	KiwiTreat Ltd	KiwiTreat Eco System
21	Waterflow NZ Ltd	Natural Flow Systems – Wormorator
22	Northland Waste Treatment	SuperTreat
23	Oasis Clearwater Environmental	Oasis Clearwater Series 2000 (2 units tested)
24	Pure by Plants Ltd	Botanical Wastewater Treatment (Wetland) Aquamax (SBR)
25	Quantum Waste Water Systems	Quantum Waste Water System (1 unit tested)
26	Reflection Treatment Systems Ltd	Intermittent Sand Filter System/Textile PBR (1 unit tested)
27	RX Plastics Ltd	Airtech Series (3 units tested)
28	Septech NZ Ltd	Septech Turbo Jet 2000
29	Simple Waste Water Solutions	Wormorator-Plant Filters 1&2-Evaporator
30	Sindico Ltd	Huber MCB (MembraneClearBox)
31	Waipapa Tanks & Waste Treatment	Econo-Treat (4 units tested)
32	Water Gurus(NZ) Ltd	NovaClear (1 unit tested)
33	Wateregen	Wateregen
34	Water Projects Ltd	Design, manufacture, installation, service.
35	Waiheke Wastewater Ltd	Ecowaste

NOTE: Those companies “highlighted” have undertaken performance testing of their units at the Rotorua On-site Effluent Treatment Testing Facility (OSET TestFac). Refer directory entries below for details of the 25 units tested to date. For information on test results, contact the company direct.

**THE ON-SITE NewZ DIRECTORY – MANUFACTURERS/SUPPLIERS of ON-SITE
DOMESTIC WASTEWATER TREATMENT PLANTS in NZ, 2011 - DETAILS**

Prepared By: Ian Gunn, On-Site NewZ,
PO Box 17-368, Greenlane, Auckland 1546, New Zealand

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Scope: This Directory covers on-site wastewater treatment systems for residential facilities producing domestic wastewater flows of up to 2,000 litres/day in accordance with AS/NZS 1547:2000 and AS/NZS 1546.3:2008.

Colour Key: Systems performance tested at the Rotorua OSET TestFac

Item	Manufacturer/Supplier	Contacts	Products/Distribution	Comments
1	Alpha Environmental Distributors 16 Gladstone Road Richmond, Nelson 7020 PO Box 3581 Richmond NELSON 7050	Free Ph: 0508 425 742 Ph: (03) 544 4365 E-mail: sales@alphaenviro.co.nz Web-site: www.alphaenvironmental.co.nz	<ul style="list-style-type: none"> Klargester BioDisc (rotating biological contactor) Klargester Reed Beds 	
2	Autoflow Ltd 18 North Road KAITAIA 0410	<u>North Island:</u> Ph: (09) 408 6080 Fax: (09) 408 6081 E-mail: autoflowltd@xtra.co.nz <u>South Island:</u> Ph: (03) 789 7709 E-mail: autoflow@farmside.co.nz Web-site: www.autoflow.net.nz	<ul style="list-style-type: none"> Autoflow (worm based aerobic vermiculture, greywater and sequencing batch reactor treatment system) Vortech Super Siphon 	
3	Biocycle (South) Ltd Head Office PO Box 20126 Bishopdale CHRISTCHURCH 8543	Ph: 64-3-359 4443 Fax: 64-3-359 4463 E-mail: info@biocycle.co.nz Web site: www.biocycle.co.nz	Biocycle (aerobic treatment plant) [Agents in Nelson, West Coast, South Canterbury, North Otago, Dunedin, Central Otago and Invercargill (refer web-site for addresses/contact details)]	

Item	Manufacturer/Supplier	Contacts	Products/Distribution	Comments
4	Biocycle Systems Ltd PO Box 14-152 Mayfair HASTINGS 4159	Ph: (06) 873 5298 Fax: (06) 873 5297 E-mail: Biocyclesystems@xtra.co.nz Web-site: www.onesandtwos.co.nz	Biocycle Waste Water Treatment Solutions (aerobic treatment plant) [Distributors in Northland, Whangarei, South Northland (2), Auckland (3), Coromandel, Waikato, South Waikato, Rotorua, Tauranga/Mt Maunganui, Taupo, Gisborne, Hawke's Bay, New Plymouth, Manawatu, Horowhenua, Wairarapa, Kapiti/Paraparumu, and Wellington (refer web-site for addresses)]	A BioCycle unit has undergone performance testing at the OSET TestFac (On-site Effluent Treatment Testing Facility) in Rotorua as follows: <u>Trial 3:</u> (2007/2008) BioCycle 6300 Trial 3 was under the EnvBOP nutrient reduction testing programme. Note: The BioCycle 6300 is a "development" model and as such is not available commercially.
5	Biolytix Ltd PO Box 12-499 Penrose AUCKLAND 1642	Free Ph: 0800 700 818 Ph: Fax: E-mail: info@biolytix.co.nz Web-site: www.biolytix.co.nz	Biolytix BioPod (worm based blackwater and greywater treatment system)	A Biolytix unit has undergone performance testing at the OSET TestFac (On-site Effluent Treatment Testing Facility) in Rotorua as follows: <u>Trial 1:</u> (2005/2006) Biolytix BF6 2500 PAT Trial 1 was under the EnvBOP nutrient reduction testing programme.
6	Bio-Microbics Smith & Loveless New Zealand Ltd 145 Kitchener Street, Unit 11 PO Box 31 616 Milford NORTH SHORE CITY 0741	Ph: (09) 488 6701 Fax: (09) 488 6702 E-mail: joegill@xtra.co.nz Web site: www.smithandlovelessnz.co.nz	<ul style="list-style-type: none"> • MicroFAST Wastewater Treatment Systems • RetroFAST Septic System Enhancement (aerated wastewater treatment systems) • BioBarriers Membrane Bioreactor (MBR) (membrane bioreactor system) 	Bio-Microbics units have undergone performance testing at the OSET TestFac (On-site Effluent Treatment Testing Facility) in Rotorua as follows: <u>Trial 1:</u> (2005/2006) MicroFAST 0.5 <u>Trial 2:</u> (2006/2007) MicroFAST 0.9 Trials 1 and 2 were under the EnvBOP nutrient reduction testing programme.
7	Burford Lifestyle Water & Effluent Systems Gap Road West No1 RD WINTON 9781	0800 826 528 Ph: (03) 236 8731 Fax: (03) 236 8731 E-mail: leigh@tank2u.co.nz Web sites: www.tank2u.co.nz www.concretetanks.co.nz	Watercycle (recirculating packed bed biofilter treatment plant)	

Item	Manufacturer/Supplier	Contacts	Products/Distribution	Comments
8	CleanStream Sewage Treatment Systems Duracrete PO Box 4194 Saleyard Road, Kauri Kamo WHANGAREI 0141	Free Ph: 0800 387 227 Ph: (09) 435 2412 Fax: 64-9-435 2432 E-mail: info@duracrete.co.nz Web site: www.yellow.co.nz/site/duracrete/	<ul style="list-style-type: none"> CleanStream (aerated wastewater treatment system) Cleanstream T.X.R (high performance biofiltration system) [Agents at Warkworth, Cambridge]	
9	Devan Plastics PO Box 2602 125 Birch Avenue, Judea TAURANGA 3140	Free Ph: 0800 500 026 Ph: (07) 578 8726 Fax: (07) 577 0437 E-mail: sales@devan.co.nz Web site: www.devan.co.nz	DB9000 (aerated wastewater treatment system)	Devan units have undergone performance testing at the OSET TestFac (On-site Effluent Treatment Testing Facility) in Rotorua as follows: <u>Trial 2:</u> (2005/2006) DB9000 NRS <u>Trial 5:</u> (2009/2010) Devan Green Trial 2 was under the EnvBOP nutrient reduction testing programme. Trial 5 is under the OSET NTP (On-site Effluent Treatment National Testing Programme). Note: The Devan Green is a “development” model and as such is not available commercially.
10	E-Bin Distributions Ltd PO Box 812 KERIKERI 0245	Ph: (09) 407 3418 Fax: (09) 407 3408 E-mail: admin@ebin.co.nz Web-site: www.e-bin.co.nz	E-BIN (Passive Secondary Treatment System) [Distribution: Northland; Whangarei; North Auckland; Auckland]	
11	Effluent Management Systems (EMS) Ltd 6 Hazelwood Street, Hastings PO Box 8361 HAVELOCK NORTH 4157	Ph: (06) 879 8022 Fax: (06) 879 8026 E-mail: info@emsnz.co.nz Web site: www.emsnz.co.nz	EMS Flowking On Site Treatment Plant (five stage aerated wastewater treatment systems)	

Item	Manufacturer/Supplier	Contacts	Products/Distribution	Comments
12	Envirosystems Ltd (Wetland Services)	Ph: Fax: E-mail: envirosystems@trident.co.nz Web-site: www.trident.co.nz	<ul style="list-style-type: none"> Vermicomposter (blackwater worm treatment) Sub-surface Flow Wetland Containments Vertical Flow Wetland Containments (Trickle Filter) (secondary treatment systems) Greywater filter 	
13	Gould Tank Systems (GTS) (A Division of Wright Tanks Ltd) 455 Rangitikei Street PO Box 4196 PALMERSTON NORTH 4442	Free Ph: 0800 253 273 Ph: 64-6-353 6157 Fax: 64-6-353 3020 E-mail: gouldtanks@xtra.co.nz and sales@gouldtanks.com Web site: www.gouldtanks.com	Wright Pro Tech 10,000 (aerated wastewater treatment system)	
14	Humes Pipeline Systems 585 Great South Road Private Bag 92-817 Penrose AUCKLAND 1642	Ph: (09) 580 7973 Fax: (09) 580 0801 E-mail: Chris.Thorpe@humes.co.nz Web-site: www.humes.co.nz [Note: No details of treatment unit on web-site as at January 2010]	Humes FRI (aerated wastewater treatment system)	A Humes unit has undergone performance testing at the OSET TestFac (On-site Effluent Treatment Testing Facility) in Rotorua as follows: <u>Trial 4</u> : (2008/209) Humes FRI Trial 4 was under the OSET NTP (On-site Effluent Treatment National Testing Programme).
15	Hynds Environmental Systems Ltd PO Box 17 388 Greenlane AUCKLAND 1546	Free Ph: 0800 425 433 Ph: (09) 571 0090 Fax: (09) 571 0091 E-mail: sales@hyndsenv.co.nz Web site: www.hynds.co.nz/environmental	<ul style="list-style-type: none"> Lifestyle 'Advanced' System Lifestyle 'Compact' System Lifestyle 'Elite' System (aerated wastewater treatment systems) Lifestyle 'MBR' System (membrane bioreactor system) <p>[Main Offices in Auckland and Christchurch – Agents/Distributors in 22 centres nationally]</p>	Hynds Lifestyle units have undergone performance testing at the OSET TestFac (On-site Effluent Treatment Testing Facility) in Rotorua as follows: <u>Trial 1</u> : (2005/2006) Hynds Lifestyle (SAF) <u>Trial 2</u> : (2006/2007) Hynds Lifestyle 'Ultimate' <u>Trial 4</u> : (2008/2009) Hynds Lifestyle 'Advanced' Trials 1 and 2 were under the EnvBOP nutrient reduction testing programme. Trial 4 was under the OSET NTP (On-site Effluent Treatment National Testing Programme).

Item	Manufacturer/Supplier	Contacts	Products/Distribution	Comments
16	Indigo Ltd 15 The Glade Pukekohe AUCKLAND 1800	Ph: (09) 238 3893 Fax: (09) 238 3193 E-mail: nathan@indigo-ltd.co.nz Web-site: www.indigo-ltd.co.nz/INDIGO%20WEB7.htm	Continuous Biological Treatment (CBT) System (single basin aerated wastewater treatment system)	
17	Innoflow Technologies New Zealand Ltd 311A Postman Road Dairy Flat PO Box 300-572 Albany AUCKLAND 0752	Free Ph: 0800 466 635 Ph: (09) 426 1027 Fax: (09) 426 1047 E-mail: info@innoflowtechnologies.com Web site: www.innoflowtechnologies.com	<ul style="list-style-type: none"> • AdvanTex® (Recirculating Textile Packed Bed Reactor) • Intermittent/recirculating Sand Filters • Biotube™ Effluent Filters <p>[35 Distributors/Agents NZ wide. Design, engineering support, management and maintenance services]</p>	AdvanTex units have undergone performance testing at the OSET TestFac (On-site Effluent Treatment Testing Facility) in Rotorua as follows: <u>Trial 1:</u> (2005/2006) AdvanTex AX-20 <u>Trial 3:</u> (2007/2008) AdvanTex AX-20 Mode 3 <u>Trial 5:</u> (2009/2010) AdvanTex AX-20 Mode 3 [nutrient reduction re-testing] Trials 1 and 3 were under the EnvBOP nutrient reduction testing programme. Trial 5 is under the OSET NTP (On-site Effluent Treatment National Testing Programme).
18	Jacobs Water Tanks 1 Princes Street PO Box 149 NGARUAWAHIA 3742	Ph: (07) 824 8749 Fax: (03) 344 1129 E-mail: don@hnpl.net Web-site: www.jacobstanks.com	EnviroTank (venturi aerated wastewater treatment system)	
19	Jet Waste & Water Systems Ltd Unit B1, 8 Henry Rose Place Albany PO Box 302-241 North Harbour NORTH SHORE CITY 0751	Ph: (09) 415 1538 Fax: (09) 415 1438 E-mail: info@jetwaste.co.nz Web site: www.jetwaste.co.nz	<ul style="list-style-type: none"> • Classic Jet Home Plant • Bat Jet Home Plant • Fibreglass Jet home Plant • Septic Upgrade Plant (aerated wastewater treatment systems) • Tertiary Treatments (intermittent biological sand filter) 	
20	KiwiTreat Ltd Horrelville RD 1 RANGIORA 7471	Ph: (03) 312 5787 Fax: (09) 312 5780 E-mail: john@kiwitreat.co.nz Web site: www.kiwitreat.co.nz	KiwiTreat Eco System (aerated wastewater treatment system)	

Item	Manufacturer/Supplier	Contacts	Products/Distribution	Comments
21	Waterflow NZ Ltd Montre Vue Estate 1160 State Highway 12 PO Box 24 MAUNGATUROTO 0547	Free Ph: 0800 628 356 Ph: (09) 431 0042 Fax: (09) 431 8845 E-mail: naturalflow@xtra.co.nz Web-site: www.naturalflow.co.nz	Natural Flow System (blackwater processing via Wormerator and settling tank plus filter and greywater processing via settling/decanting tank plus filter treatment systems) [Installers in Northland, Auckland, Waikato, Hawke's Bay, Gisborne, New Plymouth, Greater Wellington, Tasman/Nelson/Marlborough/West Coast]	
22	Northland Waste Treatment and Tanks 1666 Springbank Road RD 3 KERIKERI 0293	Free Ph: 0800 70 70 50 Ph-Fax: (09) 407 8945 E-mail: info@supertreatnz.co.nz Web-site: www.supertreatnz.co.nz	SuperTreat (venturi aeration wastewater treatment system)	Northland Waste Treatment and Tanks took over the SuperTreat franchise from Waipapa Tanks in 2007 (see Item 32 below).
23	Oasis Clearwater Environmental Systems PO Box 16-276 Hornby CHRISTCHURCH 8441	Free Ph: 0800 48 48 49 Ph: (03) 344 0262 Fax: (03) 344 0267 E-mail: office@oasisclearwater.co.nz Web site: www.oasisclearwater.co.nz	<ul style="list-style-type: none"> Oasis Clearwater Series 2000 System (SAFE) (aerated wastewater treatment system) TEXASS – Textile Advanced Sewage System (recirculating textile system) MBR – Membrane Bio-Reactor (membrane bioreactor system) <p>[25 distributors nationwide]</p>	Oasis Clearwater units have undergone performance testing at the OSET TestFac (On-site Effluent Treatment Testing Facility) in Rotorua as follows: <u>Trial 1:</u> (2005/2006) Oasis Membrane MBR <u>Trial 3:</u> (2007/2008) Oasis S2000 Trials 1 and 3 were under the EnvBOP nutrient reduction testing programme.
24	Pure by Plants Ltd 35 Ridge Road Oneroa Waiheke Island AUCKLAND 1081	Uli Rambeck Ph: 64-9-372 9565 Fax: 64-9-372 9565 E-mail: ulir@clear.net.nz Web-site: (none)	<ul style="list-style-type: none"> Pure by Plants Botanical Wastewater Treatment System (wetland secondary treatment system) Aquamax (aerated sequencing batch reactor) 	
25	Quantum Waste Water Systems 279 Oxford Street LEVIN 5510	Free Ph: 0800 555 750 Ph: (06) 368 8490 Fax: (06) 368 8496 E-mail: steve@quantumtanks.co.nz Web-site: www.quantumtanks.co.nz	Quantum Waste Water System (aerated wastewater treatment system)	A Quantum Tanks unit is currently undergoing performance testing at the OSET TestFac (On-site Effluent Treatment Testing Facility) in Rotorua as follows: <u>Trial 6:</u> (2010/2011) Quantum Eco System Trial 6 is under the OSET NTP (On-site Effluent Treatment National Testing Programme).

Item	Manufacturer/Supplier	Contacts	Products/Distribution	Comments
26	Reflection Treatment Systems Ltd 948 State Highway 16 Waimauku PO Box 168 Waimauku AUCKLAND 0842	Ph: (09) 411 7337 Fax: (09) 411 8592 E-mail: info@septic.co.nz Web site: www.septic.co.nz	<ul style="list-style-type: none"> Intermittent Sand Filter (ISF) System Textile Filter (packed bed wastewater treatment systems) 	A Reflection unit has undergone performance testing at the OSET TestFac (On-site Effluent Treatment Testing Facility) in Rotorua as follows: <u>Trial 2:</u> (2006/2007) Reflection Textile EW Trial 2 was under the EnvBOP nutrient reduction testing programme.
27	RX Plastics Ltd 445 West Street PO Box 360 ASHBURTON 7740	Free Ph: 0800 288 558 Ph: (03) 307 9081 Fax: (03) 307 9460 E-mail: sales@rxplastics.co.nz Web site: www.rxplastics.co.nz	<ul style="list-style-type: none"> Airtech 7000 Airtech 9000 Airtech 9000 NR (aerated wastewater treatment systems) 	RX Plastics units have undergone performance testing at the OSET TestFac (On-site Effluent Treatment Testing Facility) in Rotorua as follows: <u>Trial 2:</u> (2006/2007) Airtech 9000 <u>Trial 2:</u> (2006/2007) Airtech 9000 NR <u>Trial 5:</u> (2009/2010) Airtech 7000 Trial 2 was under the EnvBOP nutrient reduction testing programme. Trial 5 is under the OSET NTP (On-site Effluent Treatment National Testing Programme).
28	Septech New Zealand Ltd Larsens Concrete & Drainage 437 Heads Road WANGANUI 4501	Free Ph: 0800 353 222 Ph: (06) 344 5911 Fax: (06) 344 8189 E-mail: larsensconcrete@xtra.co.nz Web site: www.yellow.co.nz/site/LarsensConcreteandDrainage	<ul style="list-style-type: none"> Septech Turbo Jet 2000 Septech Turbo Jet 3000 (aerated wastewater treatment systems) 	
29	Simple Waste Water Solutions (SWWS) 950 Matakana Valley Road RD 5 WARKWORTH 0985	Ph: (09) 422 7817 Fax: (09) 422 7812 E-mail: info@simplewastewatersolutions.co.nz Web-site: www.simplewastewatersolutions.co.nz	Wormorator-Plant Filters 1&2-Evaporator (vermicomposting/wetland/evaporator wastewater treatment system)	

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30	Sindico Ltd 5 Port Road Seaview LOWER HUTT 5010	Ph: (04) 939 3304 Fax: (04) 939 3305 E-mail: (via web-site) Web-site: www.sindico.co.nz	Huber MCB (MembraneClearBox) [membrane bioreactor unit (retrofit option available for installation within septic tank or AWTs)]	
31	Waipapa Tanks & Waste Treatment Systems Ltd 166 Waipapa Road RD 2 KERIKERI 0295	Free Ph: 0800 739 243 Ph: (09) 407 8323 Fax: (09) 407 8372 E-mail: sales@waipapatanks.co.nz Web-site: www.waipapatanks.co.nz	<ul style="list-style-type: none"> Econo-Treat Nitro-Treat Maxi-Treat [Installation Agents in Kaitaia, Warkworth, Waitakere, Waiheke Island, Tauranga, Rotorua]	Waipapa Tanks units have undergone performance testing at the OSET TestFac (On-site Effluent Treatment Testing Facility) in Rotorua as follows: <u>Trial 1:</u> (2005/2006) SuperTreat SB440 (N12) <u>Trial 2:</u> (2006/2007) Econo-Treat P-10-2 <u>Trial 3:</u> (2007/2008) Maxi-Treat MV-C 3000 <u>Trial 4:</u> (2008/2009) Econo-Treat VBB C-2200-2 Trials 1 to 3 were under the EnvBOP nutrient reduction testing programme. Trial 4 was under the OSET NTP (On-site Effluent Treatment National Testing Programme). [Note: Subsequent to Trial 1, Waipapa Tanks relinquished its SuperTreat franchise (see Item 22 above).]
32	WaterGurus (NZ) Ltd PO Box 36 441 Merrivale CHRISTCHURCH 8141	Ph: (03) 943 0799 Fax: (03) 943 2272 E-mail: roy@maximprojects.co.nz Web-sites: www.maximdesign.co.nz	NovaClear (MBR wastewater treatment system)	A NovaClear unit has undergone performance testing at the OSET TestFac (On-site Effluent Treatment Testing Facility) in Rotorua as follows: <u>Trial 4:</u> (2008/2009) NovaClear MBR Trial 4 was under the OSET NTP (On-site Effluent Treatment National Testing Programme).
33	Wateregen Tioli Systems Ltd 13 Rewi Street Torbay AUCKLAND 0630	Ph: (09) 473 3554 Fax: (N.A.) E-mail: info@wateregen.co.nz Web-site: www.wateregen.co.nz	Wateregen (aerated wastewater treatment system, electrolytic disinfection)	Wateregen TM ClarEl TM

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34	Water Projects Ltd PO B0x 288 Waiuku Auckland 2341	Free Ph: 0508 33 44 55 Ph: (09) 235 6992 Fax: (09) 235 5138 E-mail: admin@waterprojects.co.nz Web-site: www.waterprojects.co.nz (under development)	Sewage Treatment Plants (design; manufacture; install; service; repair)	
35	Waiheke Wastewater Ltd 2 aTahi Road, Ostend Waiheke Island 1081 <u>and</u> PO Box 576 Oneroa Waiheke Island 1840	Ph: (09) 372 7158 Fax: (09) 372 7154 E-mail: info@waihekewastewater.co.nz Web-site: www.waihekewastewater.co.nz	Ecowaste (domestic wastewater treatment system; design and installation service)	