

On-Line Process Analyzer Installation List with References

<u>Customer and Contact</u>	<u>Start Up</u>	<u>Application</u>
GRACE Dearborn Lake Zurich, IL OEM: do not contact	1991 +	Industrial cooling/boiler water treatment (60+ sites)
NASA, Kennedy Space Center Dr. John Sager (407) 853-5142	6/92	Multiple parameters in nutrient solutions
U.S. Naval Academy Hendrix Oceanography Laboratory Dr. John Foerster (410) 293-6558	10/93	Multiple parameter ocean environmental monitoring
City of Whiting, Wisconsin Whiting Utilities Jeff Schloegel (715) 344-4545	1/94	Nitrate in well water (after blend) (See publication #31)
City of Phoenix, Arizona 91st Avenue WWTP Pat Wokulich (602) 495-7700	6/94	Ammonia, nitrate and nitrite in wastewater (See Publication #50)
Stillwater Mining Nye, Montana Randy Weimer (408) 328-6400	1/95	Nitrate in mine drainage water (See Publication #36) Upgraded to UV-3150 in 2000
West Basin Municipal Water District El Segundo, CA Chevron Oil Site JMM Operational Services ATTN: Jude (310) 535-4580	4/95	Ammonia in treated wastewater for water reuse (cooling water) SYSTEM OUT OF SERVICE 2001
West Basin Municipal Water District El Segundo, CA Mobile Oil Site JMM Operational Services ATTN: Jude (310) 535-4580	6/95	Ammonia in treated wastewater for water reuse (cooling water) SYSTEM OUT OF SERVICE 2001

Cresenta Valley County Water Dist. La Cresenta, CA Phil McCleaf (818) 248-3925	12/95	Multiple sample line nitrate analysis for well blending
City of Austin South Austin Regional Treatment Plant Pilot Facility Randy Massey, OMI (512) 247-4790	1/96	Multiple sample point BNR wastewater analysis of ammonia, nitrate and phosphate (See Publication #73) Note: Pilot Study Completed in 1998 SYSTEM TAKEN OUT OF SERVICE
City of Tampa, FL Hookers Point AWT Facility Jim Wilson or John Drapp (813) 247-3451	5/96	Multiple sample point wastewater analysis of nitrate and ammonia for denitrification control (See Publication #29 & #38)
City of Park Rapids, MN (RDO Foods) Brian Flynn (218) 732-0914	2/96	Organics, Nitrate and Ammonia for Control of Multiple Tank SBR for nitrification/denitrification. Includes ChemScan Ultrafilter system. (See Publication #76)
Hurlburt Field AWT, Florida USAF Special Operations Command Donald E. Williams (904) 884-7995	5/96	Nitrate in Wastewater for denitrification control.
City of Calgary, Alberta Bonnybrook WWTP Paul Do (403) 268-3838	6/96	Nitrate, Ammonia, Phosphate and % transmittance for BNR Process Monitoring (System #1 of 5) (See Publication #77 and #81) Field upgrade to UV-4100 in 2001
Gould Electronics Foil Division, Ohio Rick Piumno (216) 953-5000	12/96	Nickel and copper in electrodeless nickel plating bath (System #1 of 2)
City of Orlando, FL Conserv II (System #1) Wastewater Treatment Facility Roy Pelletier (407) 246-2213	12/96	Nitrate, Nitrite and Ammonia in BNR Process Samples. Includes pump and ultrafilter (See Publication #74 & #112) System replaced with new UV-4100 in 2001
City of Orlando, FL Conserv II (System #2) Wastewater Treatment Facility Roy Pelletier (407) 246-2213	1/97	Nitrate, Nitrite and Ammonia in BNR Process Samples. Includes pump and ultrafilter (See Publication #74 & #112)
LG Industrial Co., Inc. Changwon, Korea	1/97	Zinc in industrial wastewater

Sang Woo Park
URIM Electric Co., Ltd.
82-2-557-1308

City of Chino, CA Nitrating Blending Station Pete Reinheimer (909) 627-7577, Ext. 305	2/97	Multiple sample line nitrate analysis for well blending
City of Calgary, Alberta Bonnybrook Wastewater Treatment Plant Paul Do (403) 268-3838	3/97	Nitrate, Ammonia, Phosphate and % Transmittance for BNR Process (Systems #2 and #3 of 5) Field upgrade to UV-4100 in 2001
City of Largo, FL Advanced Wastewater Treatment Plant Pedro Serrano (813) 587-6777	4/97	Wastewater Nitrate Analysis for denitrification
City of Glendale, AZ Water Utility Cholla Water Treatment Plant Garry Noland (602) 930-3906	5/97	Multiple Sample Line Nitrate Analysis for Potable Water blending.
City of Pomona, CA Water Department Nick Hertzog (909) 620-2248	6/97	Multiple Sample Line Nitrate Analysis for Potable Water blending.
City of Plover, WI Water Treatment Plant Dave Fritsch (715) 345-5254	9/97	Multiple Sample Line Nitrate Analysis for Potable Water blending.
City of Portsmouth, NH Pease Development Authority Water Treatment Facility Al Leathers (603) 431-6007	12/97	Nitrate in Potable Water
City of Santa Ana, CA Municipal Water Well Steve Worrall (714) 647-3319	2/98	Multiple Sample Line Nitrate Analysis for Potable Water blending
Orange County, CA Denitrification Pilot Facility Thomas Cormack (714) 378-3315	2/98	Potable Water Denitrification Process Monitoring
City of Chippewa Falls, WI Ion Exchange System Ron (715) 720-6982	3/98	Ion Exchange Denitrification Process Monitoring and Blending

City of Orlando, FL Conserv I Wastewater Treatment Facility Roy Pelletier (407) 246-2213	4/98	Nitrate, Nitrite, Ammonia, %T in BNR Process Samples. Includes Pump and Ultrafilter
City of Edmonton, AB Gold Bar WWTP Bruce Best (403) 496-4329	5/98	Nitrate, Nitrite, Ammonia, %T in BNR Process Samples (System #1 of 2 here)
City of Calgary, Alberta Bonnybrook Wastewater Treatment Plant Paul Do (403) 268-3838	5/98	Nitrate, Ammonia, Phosphate and % Transmittance for BNR Process (Systems #4 of 5)
LTV Steel Indiana Harbor Works Tin Mill Mike Grotolotion (219) 391-2362	5/98	Chromium Leak Detection in Cooling Water (See Publication #107)
BetzDearborn R&D Laboratory Trevose, PA Larry Kye (215) 633-4154	6/98	Cooling and Boiler Water Treatment Chemical Detection Method Development
City of Orlando, FL Iron Bridge Road Wastewater Treatment Facility Roy Pelletier (407) 246-2213	7/98	Nitrate, Nitrite, Ammonia, %T in BNR Process Samples. Includes Pump and Ultrafilter (System 1 of 3 here) Upgrade to add sample lines and phosphate analysis in 2000
Gould Electronics Foil Division, Ohio Rick Piumno (216) 953-5000	8/98	Nickel and copper in electrodeless nickel plating bath (System #2 of 2)
Gainesville Regional Utilities Kanapaha WWTP, FL Joe Cheatham (352) 334-2645	10/98	Nitrate, Nitrite, Ammonia in Aeration Basin Process Samples. Includes Pump and Filter (See Publication # 93)
City of New York 26th Ward WWTP Sean Johnson (888) 446-1150	11/98	Nitrate and Ammonia for Nitrification/ Denitrification Process Monitoring (IDI BIOFOR Process) Note: Pilot Study
Suffolk County Water Authority	11/98	Iron in Treated Ground Water

Well Station, Long Island, NY Richard Thaeher Eagle Controls (516) 924-1315		
ASARCO, Inc. Ray Mine Complex, AZ Ken Oliphant (520) 356-7811	12/98	High Copper in Acidic Ore Leachate System #1 of 2
Silverado Water Treatment Facility Irvine, CA Sean Johnson (800) 446-1150	12/98	Groundwater Denitrification Process Control (IDI BIOFOR Process)
East Bay MUD Oakland, CA Andrzes Wilczak (510) 287-1287	1/99	Ammonia and Chloramine Potable Water Chloramination (See Publication # 110)
Clark County Las Vegas, NV Walt Johnson (702) 434-6600	4/99	Nitrate, Nitrite, Ammonia, Phosphate in Wastewater Effluent
Havelock, NC Wastewater Treatment Plant Ed Rexode (252) 444-6421	5/99	Nitrate before & after wastewater Denitrification Filters
Steel Mill, IN Thru Betz-Dearborn Larry Kye (215) 355-3300	6/99	Molybdate in Cooling Water
California Water Service, Inc. King City, CA Terry Hughes (831) 385-5486	7/99	Nitrate for Water Blending
ASARCO, Inc. Ray Mine Complex, AZ Ken Oliphant (520) 356-7811	8/99	Low Copper in Acidic Ore Leachate System #2 of 2
Chino Basin Desalting Fontana, CA Joe Tabush (909) 597-9331	10/99	Nitrate analysis for well blending (Systems 1 and 2 of 3)
Avondale, AZ Well #5 Rick Morley	10/99	Multiple Sample Line Nitrate analysis for well blending

(623) 932-1909

Sycuan Casino Sycuan Indian Reservation, CA Greg Nelson/Sean (619) 445-6002 Ext. 185	11/99	Multiple Sample Line Nitrate analysis for water blending
City of Phoenix, AZ 91st Avenue WWTP Pat Wokulich (602) 495-7700	2/00	Pre Chlorination analysis Ammonia, Nitrate, Nitrite (3 systems) (See Publication #50)
Pembroke Pines, FL Water Treatment Facility Mike Ponce (954) 986-5011	3/00	NOM, Color, TOC-ea in Groundwater
Gainesville Regional Utilities Main Street WWTP, FL Lewis Bergmann (352) 334-3501	4/00	Multiple Sample Line Nitrate, Ammonia, Phosphate
Scituate, MA WWTP Bob Rowland (781) 545-8736	6/00	Denitrification Influent & Effluent Nitrate and Ammonia
Santa Ana Watershed Authority Chino, CA Brandon Grainger (909) 597-9331	6/00	Blend, bypass and treated effluent nitrate analysis for membrane denitrification & de-salting system
California Water Services, Inc. Livermore, CA Well #10 and #19 Hyoksang Kwon (408) 367-8334	6/00	Well Blend Nitrate Analysis (2 systems)
Massachusetts Water Resources Authority Boston, MA Winsor Sung (508) 820-1527	6/00	Full spectrum UV analysis, treated potable water
DuPont Canada, Inc. Maitland, ON Rex Weeger (613) 348-3611	10/00	High range nitrate & nitrite in cooling water
City of Tampa Howard F. Curran AWT Plant Jim Wilson (813) 247-3451	10/00	Wastewater Ammonia analysis, multiple sample point

Monte Vista Water District Montclair, CA Jeffrey Malloy (909) 642-0035	10/00	Well Blend, Nitrate Analysis
Stillwater Mining Company East Boulder Mint Big Timber, MT Kevin Mitchum (406) 932-8317	11/00	Nitrate in Mine Drainage
Gwinnett County, GA North Advanced WRF Richard Porter (770) 831-1932	11/00	Ammonia, Phosphate, COD in in Wastewater effluent (System #1 of 2 here)
LTV Steel East Chicago, IN Tom Uhoda (219) 922-6750	12/00	Chromium Leak Detection in Cooling Water (See Publication #107)
Wausau Water Works Wausau, WI Dick Boers (715) 261-6540	1/01	Ammonia, Chloramine and Chlorine in Potable Water
City of Orlando, FL Iron Bridge Road Wastewater Treatment Facility Roy Pelletier (407) 246-2213	12/00	Nitrate, Nitrite, Ammonia and Phosphate in BNR process samples (System #2 of 3 here)
City of Danville, IL Water Treatment Facility Robert Bauer (217) 442-3063 Ext. 128	1/01	Nitrate from 5 sample points
City of Lexington, KY West Hickman WWTP Tim Bullock (829) 272-1713	3/01	Nitrate, Nitrite, Ammonia, Phosphate from 8 BNR sample Points, includes sequence controller
South Cross Bayou WWTP Pinellas County, FL Denitrification System Gary Glascock (727) 582-7000	3/01	Nitrate and Phosphate at four low solids sample points (1 of 3 systems here)
Chino Basin Desalting Fontana, CA Joe Tabush (909) 597-9331	3/01	Membrane filter breakthrough Nitrate for Well Blending (System 3 of 3 here)
Abbott Laboratories	5/01	UV-0254 Wastewater discharge

McPherson, KS Facility Joe Ledell (316) 241-6200		
Village of Lake in the Hills, IL Well #14 Ralph Ridley (847) 458-7981	6/01	Hardness and Barium before and after ion exchange removal
South Cross Bayou Pinellas County, FL Wastewater Treatment Facility Gary Glascock (727) 582-7000	6/01	Nitrate, Nitrite, Ammonia, Phosphate North Train BNR (System #2 of 3 here)
Mesa Northwest WRF Mesa, AZ Ray Agalleo (480) 644-2333	6/01	Nitrate, Nitrite, Ammonia, Phosphate in Wastewater effluent (5 sample points)
City of Orlando Iron Bridge Road Wastewater Treatment Facility Roy Pelletier (407) 246-2213	6/01	Nitrate, Nitrite, Ammonia, Phosphate in BNR effluent (System #3 of 3 here)
California Water Services, Inc. Salinas, CA Hyoksang Kwon (408) 367-8334	8/01	Nitrate Analysis for Well Blend (System 1 of 2 here)
PGI Facility, NC (thru Betz-Dearborn) (no contact)	8/01	Proprietary Water treatment chemicals
Southern Cal Water Services Santa Maria, CA Henry Szopinski (805) 349-7407	8/01	Nitrate for Well Blending
City of Edmonton Gold Bar WWTP Bruce Best (403) 496-4329	9/01	Nitrate, Nitrite, Ammonia for BNR Process Analysis
Po Hang, Korea Wastewater Treatment Plant Sungmo Yang 82-2-462-6970	9/01	Nitrate, Nitrite, Ammonia, TP for Nutrient Removal Pilot Facility Monitoring
Jasper, IN Water Treatment Plant Thomas Lents (812) 482-3277	10/01	Nitrate, NOM, TOC for intake and process sample points

LA Dept. of Water & Power LA Aqueduct Filter Run Stone Canyon CA Station Walter Orzechowski (213) 367-3339	11/01	Free Ammonia, Total Ammonia, Monochloramine, Total Chlorine, for water storage/distribution
LA Dept. of Water & Power LA Aqueduct Filter Run Santa Ynez CA Station Walter Orzechowski (213) 367-3339	11/01	Free Ammonia, Total Ammonia, Monochloramine, Total Chlorine, for water storage/distribution
City of Regina, SK Wastewater Treatment Facility Doug Moisk (306) 777-7693	11/01	Phosphate and Polymer for phosphate removal process
City of Orlando Conserv II Wastewater Facility Roy Pelletier (407) 246-2213	12/01	Nitrate, Nitrite, Ammonia, %T (replaces original system #1 which was a used demo system at time of sale in 1996)
Plover, WI Nitrate Removal Facility David Fritsch (715) 345-5254	12/01	Nitrate for Blending and Exchange Tank Breakthrough (2nd facility)
South Cross Bayou Pinellas County, FL Gary Glascock (727) 582-7000	12/01	Nitrate, Nitrite, Ammonia, Phosphate South Train BNR (System 3 of 3 here)
Consumers IL Water Co. City of Danville, IL Mike Schingel (217) 442-3063	2/02	Nitrate Ion Exchange Tanks
Living Machines Taos, NM David Austin (505) 751-9481	2/02	Ammonia, Nitrate, Phosphate, UV254 %T, COD, Turbidity Process Research
Hillsborough County, FL Valrico WWTP Dan Orłowski (813) 744-5526	3/02	Nitrate, Nitrite, Ammonia, Phosphate - Anaerobic and Aeration Samples
East Bay M.U.D. Oakland, CA Gary Whitley (510) 287-0379	3/02	Free Ammonia for Chloramination
Dailain, China	4/02	Ammonia, COD

Hong Ji Water Dong Xue 086-0411-4791903		Wastewater Reuse
BP Amoco Whiting, IN Michael Konar (219) 473-3821	4/02	Molybdate, DEHA, Iron, PMA Cooling Water Analysis
City of Decatur, IL South Water Treatment Plant Rob Shirley (217) 424-2834	5/02	Nitrate Ion Exchange Tanks (3 systems)
City of Peoria, AZ Water Treatment Plant John Kerns (623) 733-7286	6/02	Nitrate, %T Water Blending
Hampton Roads Sanitation District York River Plant Andy Nelson (757) 833-1770	6/02	Ammonia, %T Wastewater Effluent
California Water Services Salinas, CA Hyoksang Kwon (408) 367-8334	7/02	Nitrate for Blending (System 2 of 2 here)
East Bay M.U.D. Oakland, CA Orinda WTP Al Kolberg (510) 287-0846	7/02	Free Ammonia for Chloramination
City of Calgary, AB Fishcreek WWTP David Jess (403) 278-8192	7/02	Ammonia, Nitrate, Phosphate, %T BNR Effluent analysis
Melrose Dairy, MN (US Water Services) Nathan Bach (763) 689-3636	7/02	Phosphate Cooling Water Analysis

