



Infilco

HEADWORKS
BIOLOGY
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DISINFECTION
BIOSOLIDS
SYSTEMS

Proven.

Thermylis High Temperature Fluid Bed Installation List

2008

Duffin Creek WWTP
Region of Durham, ON, Canada
Peter Burrowes
(519) 579-3501

Reactor I, II	Each reactor:
Feed Rate:	32'-1" ID, hot windbox design
	9,645 lb/hr dry solids, sewage sludge
	90.4 MM btu/Hr
Sludge Characteristics	28%TS, 68%VS, 10,007 btu/lbVS
Heat Recovery	Waste heat boiler, 508 psig steam
Air Pollution Control System	Venturi scrubber
Startup:	2009

Mill Creek WWTP
Cincinnati, OH
Biju George
(513) 368-1429

Reactor: I, II, III	Each Reactor:
Feed Rate:	26'-6" ID, hot windbox design
	8,000 lb/hr dry solids, sewage sludge
	76.4 MM btu/Hr
Sludge Characteristics	26%TS, 70%VS, 10,500 btu/lbVS
Air Pollution Control System	Venturi Scrubber
Startup:	2009

Lakeview WWTP, Phase II
Mississauga, ON, Canada
William Fernandes
905/791-7800, Ext. 4413

Reactor: I, II, III	Each Reactor:
Feed Rate:	30'-6" ID, hot windbox design
	9,200 lb/hr dry solids, sewage sludge
	89 MM btu/Hr
Sludge Characteristics	27%TS, 75%VS, 9,607 btu/lbVS
Air Pollution Control System	Venturi Scrubber
Startup:	2007, 2008

**R.L. Sutton WWTP
Cobb County, GA**

**Mr. Bob Szoch
404/495-8700**

Reactor I, II	Each Reactor:
Feed Rate:	22'-0" ID, hot windbox design
	4,400 lb/hr dry solids, sewage sludge
	48 MM btu/Hr
Sludge Characteristics	25%TS, 75.5%VS, 10,000 btu/lbVS
Air Pollution Control System	Venturi Scrubber
Startup:	October 2007

**Lakeview WWTP, Phase I
Mississauga, ON, Canada**

**William Fernandes
905/791-7800, Ext. 4413**

Reactor:	30'-6" ID, hot windbox design
Feed Rate:	9,200 lb/hr dry solids, sewage sludge
	89 MM btu/Hr
Sludge Characteristics	27%TS, 75%VS, 9,607 btu/lbVS
Air Pollution Control System	Venturi Scrubber
Startup:	February 2006

**Ypsilanti CUA
Ypsilanti, MI**

**Ken Knorp
734/484-4600, Ext. 142**

Reactor:	24'-0" ID, hot windbox design
Feed Rate:	6,300 lb/hr dry solids, sewage sludge
	65 MM btu/Hr
Sludge Characteristics	25%TS, 76.5%VS, 10,000 btu/lbVS
Air Pollution Control System	Venturi Scrubber, Wet ESP and Activated Carbon Adsorber
Startup:	December 2005

**Puerto Nuevo
San Juan, Puerto Rico**

**Manuel Rosabal
787/758-4040**

Reactor:	24'-0" ID, hot windbox design
Feed Rate:	5,325 lb/hr dry solids, sewage sludge
	55 MM btu/Hr
Sludge Characteristics	29%TS, 70%VS, 10,000 btu/lbVS
Air Pollution Control System	Venturi Scrubber, Wet ESP
Startup:	January 2004

**City of Valence
Valence, France**

**Gerard Rondeau
33 1 46 25 62 95**

Reactor:	13'-6" ID, hot windbox design
Feed Rate:	1,142 lb/h dry solids, sludge & Skimmings 16 MM btu/Hr
Sludge Characteristics	20%TS, 67%VS, 10,350 btu/lbVS
Air Pollution Control System	Bagfilter, Chemical Injection
Startup:	September 2003

**District d'Elbeuf
Normandy, France**

**Jacques Thoraval
33 32 96 98 98**

Reactor:	11'-6" ID, hot windbox design
Feed Rate:	952 lb/h dry solids, sewage sludge 13 MM btu/Hr
Sludge Characteristics	21%TS, 66%VS, 9,691 btu/lbVS
Air Pollution Control System	Bagfilter, Chemical Injection
Startup:	July 2003

**Metropolitan Sewer
District of Cincinnati, Ohio**

**Mike Heitz
513/244-5137**

Reactor:	24'-0" ID, hot windbox design
Feed Rate:	6,000 lb/hr dry solids, sewage sludge 63 MM btu/Hr
Sludge Characteristics	25%TS, 70%VS, 10,000 btu/lbVS
Air Pollution Control System	Venturi Scrubber
Startup:	November 1999

**Northwest Bergen County
Utilities Authority, Waldwick, New Jersey**

**Jack Myer
201/447-2600**

Reactor:	16'-0" ID, hot windbox design
Feed Rate:	2,200 lb/hr dry solids, sewage sludge 26 MM btu/hr
Sludge Characteristics	23%TS, 78%VS, 10,000 btu/lbVS
Air Pollution Control System	Venturi Scrubber, Wet ESP
Startup:	August 1999

**Camden County Municipal
Utilities Authority, Blackwood, New Jersey**

**Jack Connelly
856/541-3700**

Reactor	9'-0" ID, hot windbox design - rebuild
Feed Rate:	816 lb/hr dry solids, sewage sludge 8 MM btu/hr
Sludge Characteristics	24%TS, 76%VS, 10,000 btu/lbVS
Air Pollution Control System	Venturi Scrubber
Startup:	September 1996

**TZ Osborne WTP
Greensboro, North Carolina**

**Arthur White
336/375-2240, Ext. 224**

Reactor:	20'-0" ID, hot windbox design
Feed Rate:	5,000 lb/hr dry solids, sewage sludge 50 MM btu/hr
Sludge Characteristics	28%TS, 70%VS, 10,000 btu/lbVS
Air Pollution Control System	Venturi Scrubber
Startup:	June 1996

**Morton International
Moss Point, Mississippi**

**Mark Eckman
601/474-4248**

Reactor:	20'-0" ID, hot windbox design
Feed Rate:	6,300 lbDS/hr, syn. rubber waste 50 MM btu/hr
Sludge Characteristics	70%TS, about 50%VS, HHV unknown
Air Pollution Control System	Bagfilter, Scrubber
Waste Heat Boiler	17,000 lb steam, 150 psig
Startup:	May 1996

**Bayshore Regional
Sewerage Authority Union Beach, New Jersey**

**Pete Peterson
732/739-1025**

Reactor:	15'-0" ID, hot windbox design
Feed Rate:	2,250 lb/hr dry solids, sewage sludge 24 MM btu/hr
Sludge Characteristics	23%TS, 70%VS, 10,000 btu/lbVS
Air Pollution Control System	Venturi Scrubber, Wet ESP
Startup:	December 1995

Pfizer, Inc.
Groton, Connecticut

Mike Ritz
860/441-3374

Reactor:	13'-0" ID, hot windbox design
Feed Rate:	1,520 lb/hr dry biomass solids 15.5 MM btu/hr
Sludge Characteristics	27%TS, 75%VS, 10,104 btu/lbVS
Air Pollution Control System	Venturi Scrubber, Wet ESP
Startup:	March 1995

Longueuil
Quebec, Canada

Andre Marsan
450/442-1480

Reactor I, II:	Each Reactor:
Feed Rate:	12'-0" ID, hot windbox design 1,800 lb/hr dry solids, sewage sludge 15 MM btu/hr
Sludge Characteristics	34%TS, 63%VS, 10,050 btu/lbVS
Air Pollution Control System	Dry ESP
Waste Heat Boiler	11,000 lb steam/hr, 125 psig
Startup:	August 1992

Barstow Wastewater
Reclamation Plant, Barstow California

Rob Derryberry
760/256-2226

Reactor:	7'-0" ID, cold windbox design
Feed Rate:	430 lb/hr dry solids, sewage sludge 5 MM btu/hr
Sludge Characteristics	24%TS, 75%VS, 10,000 btu/lbVS
Air Pollution Control System	Venturi Scrubber
Startup:	July 1992

City of Juneau WWTP
Juneau, Alaska

Scott Jeffers
907/586-5329

Reactor:	9'-0" ID, hot windbox design
Feed Rate:	500 lb/hr dry solids, sewage sludge 7 MM btu/hr
Sludge Characteristics	24%TS, 84%VS, 10,000 btu/lbVS
Air Pollution Control System	Venturi Scrubber
Startup:	June 1992

Lynnwood WWTP
Lynnwood, Washington

Don Davis
206/775-1971, Ext. 287

Reactor:	10'-0" ID, hot windbox design
Feed Rate:	850 lb/hr dry solids, sewage sludge 9.5 MM btu/hr
Sludge Characteristics	25%TS, 82%VS, 10,000 btu/lbVS
Air Pollution Control System	Venturi Scrubber
Startup:	December 1990

Port Washington Water Pollution Control District
Port Washington, New York

Bob Breslin
516/944-6100

Reactor:	9'-6" ID, cold windbox design
Feed Rate:	930 lb/hr dry solids, sewage sludge 8 MM kcal/hr
Sludge Characteristics	Unknown
Air Pollution Control System	Venturi Scrubber
Startup:	December 1990

Westchester County Sewage Authority
Port Chester, New York

Robert Muriak
914/813-7270

Reactor I, II	Each reactor:
Feed Rate:	12'-0" ID, hot windbox design 1,125 lb/hr dry solids, sewage sludge 17.5 MM btu/hr
Sludge Characteristics	16-25%TS
Air Pollution Control System	Venturi Scrubber
Startup:	1990

Northwest Bergen County Utilities Authority
Waldwick, New Jersey

Jack Myer
201/447-2660

Reactor:	14'-0" ID, hot windbox design
Feed Rate:	1900 lb/hr dry solids, sewage sludge 20 MM btu/hr
Sludge Characteristics	23%TS, 78%VS, 10,000 btu/lbVS
Air Pollution Control System	Venturi Scrubber
Startup:	March 1988

Gloucester Count Sewage Authority Thorofare, New Jersey

Gary Whelan
856/423-3500

Reactor:	11'-0" ID, warm windbox design
Feed Rate:	1,100 lb/hr dry solids, sewage sludge 17 MM btu/hr
Sludge Characteristics	Unknown
Air Pollution Control System	Venturi Scrubber
Startup:	March 1988

Camden County Municipal Utilities Authority Blackwood, New Jersey

Jack Connelly
856/541-3700

Reactor:	9'-0"ID, hot windbox design
Feed Rate:	816 lb/hr dry solids, sewage sludge 8 MM btu/hr
Sludge Characteristics	24%TS, 84%VS, 10,000 btu/lbVS
Air Pollution Control System	Venturi Scrubber
Startup:	December 1985

Allied Chemical Corp / Allied Signal Detroit, Michigan

Robert Obrien
313/842-5748

Reactor:	Fluid Bed Boiler-25,000 lbs/hr steam
Feed Rate:	2,243 lb/hr coal tar 40 MM btu/hr
Sludge Characteristics	100%TS
Air Pollution Control System	Bagfilter
Startup:	March 1985

Magindag Industry Oberndorf, Austria

Herr Weineroiter

Reactor:	16'-0" ID, double dome calciner
Feed Rate:	15,200 lb/hr magnesium carbonate 27 MM btu/hr
Startup:	March 1984

Confidential South Africa

Reactor:	5'-0" ID, cold windbox, calciner
Feed Rate:	440 lb/hr "wonderstone" 4 MM btu/hr
Startup :	November 1981