T . C . TIL 00000	T	1
Fairfax, VA 22030		
(703) 934-6300		
Fax: (703) 273-9398		
Viatro, Corp.	Viodine	Tennessee
6779 Engle Road		
Cleveland, Ohio 44130		
(800) 337-8243		
Fax: (440) 816-1610		
Waste Reduction by Waste Reduction,	WR <sup>2</sup> Tissue Digestor	New York
Inc.		
212 Pinewoods Avenue		
Troy, New York 12180-7244		
(518) 273-0292		
World Environmental Service Corp.	WESCO Condor Medical Waste	California
(Formerly Winfield Environmental	Treatment System	Oregon
Corp.) **		Connecticut
114 14th Street, Suites B & C		Pennsylvania
Ramona, CA 92065		Georgia
(619) 271-4861		South Carolina
		New Jersey
		Tennessee
		New York
		West Virginia
		North Carolina

# STATES THAT HAVE NOT APPROVED ALTERNATIVE TECHNOLOGIES

Alaska Minnesota Arizona Mississippi Arkansas Missouri Colorado Nevada

Delaware New Hampshire
Hawaii New Mexico
Idaho North Dakota
Iowa Oklahoma
Kentucky South Dakota

Maine Utah
Maryland Vermont
Wyoming

## **PENDING**

Florida Louisiana Michigan Rhode Island

\* The following manufacturers have systems that have been viewed by most states as autoclaving technologies with no additional efficacy studies required for approval:

BFI Medical Waste Systems, Inc. San-I-Pak, Inc. SteriLogic Waste Systems Tempico, Inc.

\*\* Since February.1997, the following manufacturers have decided to discontinue selling medical waste treatment technologies, to market their systems outside the U.S., or to close their businesses:

Medical Materials & Technology
Medical Marketing International, Inc.
MediVators, Inc. (Disposal Sciences, Inc.)
SAS Systems, Inc. (GTH Roland)
Synthetica Technologies, Inc. (Scientific Ecology Group, Inc.)
Thermal Equipment Corporation
Thermokill, Inc.
World Environmental Service Corp. (Winfield Environmental Corp.)

## 別添4

米国各州に導入された医療廃棄物新処理技術一覧

## Status of Alternative Medical Waste Treatment Technologies February 10, 1999

States with approved technologies: 23
States with approved technologies - List Pending: 4
States without approved technologies: 23

# STATE APPROVED ALTERNATIVE MEDICAL WASTE TREATMENT TECHNOLOGIES FEBRUARY 10, 1999

	ALABAMA	
MANUFACTURER	ALTERNATIVE TECHNOLOGY	METHOD
Medical SafeTEC, Inc. (Circle Medical Products, Inc.)	MST 1200 (LFB 12-5 System)	Shredding/Chemical (sodium hypochlorite)
Sanitec, Inc.	Sanitec Microwave Disinfection System - HG-A-250S & HG-A-100S	Shredding/Microwave
Sterile Technology Industries, Inc.	STI Chem-Clav	Shredding/Chemical/Steam
	CALIFORNIA	
MANUFACTURER	ALTERNATIVE TECHNOLOGY	METHOD
Earth-Shield	Sharp-Shield	Heat/Encasement
Isolyser Co., Inc.	Sharps Management System (SMS) Liquid Treatment System-Plus ORex Processor	Chemical/Encapsulation Chemical/Solidifer Hot Water Thermal/Dissolution
Kyaerner U.S. Inc. (Successor to Mediclean Technology	Encore 2000 RWP	Shredding/Chemical
Medical SafeTEC, Inc. (Circle Medical Products, Inc.)	MST 1200 (LFB 12-5 System)	Shredding/Chemical (sodium hypochlorite)
PEAT, Inc.	Peat System	Plasma Arc
PMA Services, Inc.	MedClean-M	Dry Heat/ Encapsulation
Roatan Redlock System	Redlock Sterilizer	Pressurized Steam
Sanitee, Inc.	Sanitec Microwave Disinfection System - HG-A-250S & HG-A-100S	Shredding/Microwave
Scientific Ecology Group, Inc. (SEG)	Synthetica Detoxifier Process	Shredding/Steam
Steris Corporation	EcoCycle 10 Processor	Grinding/Chemical
Stericycle, Inc.	Electro-Thermal Deactivation	Shredding/Low Frequency Radio Waves
Thermal Equipment Corporation	Mediclave	Steam/Heat/Compression
Thermal Waste Technologies, Inc.	Demolizer System	Electro-Thermal
Thermokill, Inc.	Thermokill Process	Grinding/Steam Heat
[] MANUFACTURER	ALTERNATIVE TECHNOLOGY	METHOD
World Environmental Service Corp. (Formerly Winfield Condor Medical Waste Treatment System)	WESCO Condor Medical Waste Treatment System	Shredding/Chemical (Chlorine dioxide)
	CONNECTICUT	I.

MANUFACTURER	ALTERNATIVE TECHNOLOGY	METHOD
BioMedical Waste Systems, Inc.	Continuous Thermal Disinfection Unit	Shredding/Steam
Disposal Sciences, Inc. (MediVators)	DSI Sharps Disposal System	Dry Heat/Encapsulation
Ecomed Company	Ecomed	Shredding/Chemical (Iidophor)
GTH Roland (SAS Systems, Inc.)	ZDA-M3 Integrated Waste Processing	Shredding/Steam
Medical Marketing International, Inc.	MedAway-1	Heat
Mediclean Technology, Inc.	IWP-1000	Shredding/Chemical (Chlorine dioxide)
Medifor-X Corporation	Dispoz-All 200 Technology	Infrared Thermal/Compaction
OBF Industries, Inc.	Premisorb 2/Vital 2 & Premicide	Chemical/Encapsulation
Premier Medical Technology, Inc.	PMT System	Chemical
Spintech, Inc.	TAPS	Thermal/Encapsulation
SPS Medical Equipment Corp.	Needle Eater SPS 2000	Chemical
Stericycle, Inc.	Electro-Thermal Deactivation	Shredding/Low Frequency Radio Waves
Sterile Technology Industries, Inc.	STI Chem-Clav	Shredding/Chemical/Steam
Steris Corporation	EcoCycle 10 Processor	Grinding/Chemical
Thermal Waste Technologies, Inc.	Demolizer System	Electro-Thermal
World Environmental Service Corp. (Formerly Winfield Condor Medical Waste Treatment System)	WESCO Condor Medical Waste Treatment System	Shredding/Chemical (Chlorine dioxide)
	GEORGIA	
MANUFACTURER	ALTERNATIVE TECHNOLOGY	METHOD
Advanced Engineering Concepts	Warmsler Thermoprocessor	Thermal (chemotherapy waste)
CBE Environmental, Inc.	Shredding & Oxidizing Solution System	Shredding/Oxidizing Solution
□ MANUFACTURER	ALTERNATIVE TECHNOLOGY	METHOD
Disposal Sciences, Inc. (MediVators)	DSI System 2000 Medical Waste Disposal and Sharps Disposal System	Dry Heat/Encapsulation
GTH Roland (SAS Systems, Inc.)	ZDA-M3 Integrated Waste Processing	Shredding/Steam
Isolyser Co., Inc.	Sharps Management System (SMS) Liquid Treatment System-Plus ORex Processor	Chemical/Encapsulation Chemical/Solidifer Hot Water Thermal/Dissolution
Medical Marketing International, Inc.	MedAway-1	Heat
Medical Materials&Technology, Inc.	MMT System	Chemical
Medical SafeTEC, Inc. (Circle Medical Products, Inc.)	MST 1200 (LFB 12-5 System)	Shredding/Chemical (sodium hypochlorite)
Medifor-X Corporation	Dispoz-All 200 Technology	Infrared Thermal/Compaction

OBF Industries, Inc.	Premisorb 2/Vital 2 & Premicide	Chemical/Encapsulation
Risk Management Instruments, Inc.	Needlyzer	Dry Heat
Safetec of America	Red-Z & Yellow	Chemical (Liquid treatment)
Sanitee, Inc.	Sanitec Microwave Disinfection System - HG-A-250S & HG-A-100S	Shredding/Microwave
Spintech, Inc.	TAPS	Thermal/Encapsulation
Steris Corporation	EcoCycle 10 Processor	Grinding/Chemical
Synthetica Technologies, Inc. ( Ecology Group, Inc. (SEG))	Synthetic Detoxifier	Shredding/Steam
Thermal Equipment Corporation	Mediclave	Steam/Heat/Compression
Thermal Waste Technologies, Inc.	Demolizer System	Electro-Thermal
Thermokill, Inc.	Thermokill Process	Grinding/Steam Heat
World Environmental Service Corp. (Formerly Winfield Condor Medical Waste Treatment System)	WESCO Condor Medical Waste Treatment System	Shredding/Chemical (Chlorine dioxide)
	ILLINOIS	
MANUFACTURER	ALTERNATIVE TECHNOLOGY	METHOD
Sanitec, Inc.	Sanitec Microwave Disinfection System - HG-A-250S & HG-A-100S	Shredding/Microwave
	INDIANA	
MANUFACTURER	ALTERNATIVE TECHNOLOGY	METHOD
Medical SafeTEC, Inc.	MST 1200	Shredding/Chemical (sodium
(Circle Medical Products, Inc.) Sanitec, Inc.	(LFB 12-5 System) Sanitec Microwave Disinfection System - HG-A-250S & HG-A-100S	hypochlorite) Shredding/Microwave
	KANSAS	
MANUFACTURER	ALTERNATIVE TECHNOLOGY	METHOD
Sanitec, Inc.	Sanitec Microwave Disinfection System - HG-A-250S & HG-A-100S	Shredding/Microwave
	MASSACHUSETTS	
MANUFACTURER	ALTERNATIVE TECHNOLOGY	METHOD
Disposal Sciences, Inc. (MediVators)	Sharps Disposal System - 101	Heat/Encapsulation
GTH Roland (SAS Systems, Inc.)	ZDA-M3 Integrated Waste Processing	Shredding/Steam
Medical Marketing International, Inc.	MedAway-1	Dry Heat
	MST 1200	Shredding/Chemical (sodium

Sterile Technology Industries, Inc.	STI Chem-Clav	Shredding/Chemical/Steam
Steris Corporation	EcoCycle 10 Processor	Grinding/Chemical
Thermal Equipment Corporation	Mediclave	Steam/Heat/Compression
Thermal Waste Technologies, Inc.	Demolizer System	Electro-Thermal
A CONTRACTOR OF THE PARTY OF TH	MONTANA	
MANUFACTURER	ALTERNATIVE TECHNOLOGY	METHOD
Sanitec, Inc.	Sanitec Microwave Disinfection System - HG-A-250S & HG-A-100S	Shredding/Microwave
	NEBRASKA	<del></del>
MANUFACTURER	ALTERNATIVE TECHNOLOGY	METHOD
Sanitec, Inc.	Sanitec Microwave Disinfection System - HG-A-250S & HG-A-100S	Shredding/Microwave
Isolyser Co., Inc.	Sharps Management System (SMS) ORex Processor	Chemical/Encapsulation Hot Water Thermal/Dissolution
	NEW JERSEY	
MANUFACTURER	ALTERNATIVE TECHNOLOGY	METHOD
Medical SafeTEC, Inc. (Circle Medical Products, Inc.)	MST 1200 (LFB 12-5 System)	Shredding/Chemical (sodium hypochlorite)
San-I-Pak, Inc.	San-I-Pak Mark VII Sterilizer	Shredding/Steam
Sanitec, Inc.	Sanitec Microwave Disinfection System - HG-A-250S & HG-A-100S	Shredding/Microwave
Sterile Technology Industries, Inc.	STI Chem-Clav	Shredding/Chemical/Steam
Steris Corporation	EcoCycle 10 Processor	Grinding/Chemical
Tempico, Inc.	Remedy-One Rotoclave	Shredding/Steam
World Environmental Service Corp. (Formerly Winfield Condor Medical Waste Treatment System)	WESCO Condor Medical Waste Treatment System	Shredding/Chemical (Chlorine dioxide)
waste meannest eyetem)	NEW YORK	
MANUFACTURER	ALTERNATIVE TECHNOLOGY	METHOD
Antaeus Group	SSM-150	Grinding/Steam Heat
BioMedical Waste Systems, Inc.	Continuous Thermal Disinfection Unit	Shredding/Steam
CMB, Ltd. Mechanical Engineering Environmental Tech. & Marketing	Sintion 1.1	Microwave/Steam
M.C.M. Environmental Technologies	SteriMed	Shredding/Chemical
Med Compliance Services	Encore-2100 Infectious Waste Processor	Shredding/Chemical (Chlorine dioxide)
Medifor-X-Corporation	Medifor-X Dispoz-All Waste Treatment System	Infrared Thermal Inactivation/Compaction
Medical SafeTEC, Inc. (Circle Medical Products, Inc.)	MST 1200 (LFB 12-5 System)	Shredding/Chemical (sodium hypochlorite)

MediVators, Inc.	DSI System 2000	Dry Heal/Encapsulation
Sanitec, Inc.	Sanitec Microwave Disinfection System - HG-A-250S & HG-A-100S	Shredding/Microwave
SAS Systems, Inc.	ZDA-M3 Treatment System	Shredding/Steam Heat
Stericycle, Inc.	Electro-Thermal Deactivation	Shredding/Low Frequency Radio Waves
Steris Corporation	EcoCycle 10 Processor	Grinding/Chemical
MANUFACTURER	ALTERNATIVE TECHNOLOGY	METHOD
Sterile Technology Industries, Inc.	STI Chem-Clav	Shredding/Chemical/Steam
Thermal Equipment Corporation	Mediclave	Steam/Heat/Compression
Thermal Waste Technologies, Inc.	Demolizer System	Electro-Thermal
Waste Reduction By Waste Reduction, Inc.	WR <sup>2</sup> Animal Tissue Digestor	Akaline Hydrolysis
World Environmental Service Corp. (Formerly Winfield Condor Medical Waste Treatment System)	WESCO Condor Medical Waste Treatment System	Shredding/Chemical (Chlorine dioxide)
	NORTH CAROLINA	_1
MANUFACTURER	ALTERNATIVE TECHNOLOGY	METHOD
Bioconversion Technologies, Inc.	Bioconversion System	Shredding/Enzyme
Ecomed Company	Ecomed	Shredding/Chemical (Iidophor)
Isolyser Company	Sharps Disposal System	Chemical/Encapsulation
Medical Marketing International, Inc.	MedAway-1	Dry Heat
Medical SafeTEC, Inc. (Circle Medical Products, Inc.)	MST 1200 (LFB 12-5 System)	Shredding/Chemical (sodium hypochlorite)
Mediclean Technology, Inc.	IWP-1000	Shredding/Chemical (Chlorine dioxide)
Medifor-X-Corporation	Medifor-X Dispoz-All Waste Treatment System	Infrared Thermal Inactivation/Compaction
Spintech, Inc.	TAPS	Thermal/Encapsulation
Sterile Technology Industries, Inc.	STI Chem-Clav	Shredding/Chemical/Steam
Steris Corporation	EcoCycle 10 Processor	Grinding/Chemical
Thermal Waste Technologies, Inc.	Demolizer System	Electro-Thermal
World Environmental Service Corp. (Formerly Winfield Condor Medical Waste Treatment System)	WESCO Condor Medical Waste Treatment System	Shredding/Chemical (Chlorine dioxide)
	OHIO	
MANUFACTURER	ALTERNATIVE TECHNOLOGY	METHOD
Sanitec, Inc.	Sanitec Microwave Disinfection System - HG-A-250S & HG-A-100S	Shredding/Microwave
Sterile Technology Industries, Inc.	STI Chem-Clav	Shredding/Chemical/Steam

□ MANUFACTURER	ALTERNATIVE TECHNOLOGY	METHOD
MediVators, Inc.	DSI System 2000	Dry Heal/Encapsulation (Sharps)
	OREGON	1
MANUFACTURER	ALTERNATIVE TECHNOLOGY	METHOD
Ecomed Company	Ecomed	Shredding/Chemical (Iidophor)
Medical SafeTEC, Inc. (Circle Medical Products, Inc.)	MST 1200 (LFB 12-5 System)	Shredding/Chemical (sodium hypochlorite)
Mediclean Technology, Inc.	IWP-1000	Shredding/Chemical (Chlorine dioxide)
Sanitec, Inc.	Sanitec Microwave Disinfection System - HG-A-250S & HG-A-100S	Shredding/Microwave
Stericycle, Inc.	Electro-Thermal Deactivation	Shredding/Low Frequency Radio Waves
Sterile Technology Industries, Inc.	STI Chem-Clav	Shredding/Chemical/Steam
Steris Corporation	EcoCycle 10 Processor	Grinding/Chemical
Thermal Equipment Corporation	Mediclave	Steam/Heat/Compression
World Environmental Service Corp. (Formerly Winfield Condor Medical Waste Treatment System)	WESCO Condor Medical Waste Treatment System	Shredding/Chemical (Chlorine dioxide)
Waste Treatment System)	PENNSYLVANIA	
MANUFACTURER	ALTERNATIVE TECHNOLOGY	METHOD
Merck and Co.	Vesphene 11 st or Process LpH st	Chemical
OBF Industries, Inc.	Premicide	Chemical/Encapsulation
Sanitec, Inc.	Sanitec Microwave Disinfection System - HG-A-250S & HG-A-100S	Shredding/Microwave
SmithKline Beecham	NaOH or KOH	Chemical/Thermal (tissues)
Sterile Technology Industries, Inc.	STI Chem-Clav	Shredding/Chemical/Steam
World Environmental Service Corp. (Formerly Winfield Condor Medical Waste Treatment System)	WESCO Condor Medical Waste Treatment System	Shredding/Chemical (Chlorine dioxide)
	SOUTH CAROLINA	
MANUFACTURER	ALTERNATIVE TECHNOLOGY	METHOD
Risk Management Instruments, Inc.	Needlyzer	Electric Dry Heat
MediVators, Inc.	DSI System 2000	Dry Heal/Encapsulation
□ MANUFACTURER	ALTERNATIVE TECHNOLOGY	METHOD
Medical Marketing International, Inc.	MedAway-1	Dry Heat
Sanitec, Inc.	Sanitec Microwave Disinfection System - HG-A-250S & HG-A-100S	Shredding/Microwave
Spintech, Inc.	TAPS	Thermal/Encapsulation

Stericycle, Inc.	Electro-Thermal Deactivation	Shredding/Low Frequency Radio Wayes
Sterile Technology Industries, Inc.	STI Chem-Clav	Shredding/Chemical/Steam
Thermal Waste Technologies, Inc.	Demolizer System	Electro-Thermal
World Environmental Service Corp. (Formerly Winfield Condor Medical Waste Treatment System)	WESCO Condor Medical Waste Treatment System	Shredding/Chemical (Chlorine dioxide)
	TENNESSEE	
MANUFACTURER	ALTERNATIVE TECHNOLOGY	METHOD
OBF Industries, Inc.	Premisorb 2/Vital 2 & Premicide	Chemical/Encapsulation
Sanitec, Inc.	Sanitec Microwave Disinfection System - HG-A-250S & HG-A-100S	Shredding/Microwave
SAS Systems, Inc.	ZDA-M3 Treatment System	Shredding/Steam Heat
Spintech, Inc.	TAPS	Thermal/Encapsulation
Steris Corporation	EcoCycle 10 Processor	Grinding/Chemical
Viatro, Corportion	Viodine	Chemical
World Environmental Service Corp. (Formerly Winfield Condor Medical Waste Treatment System)	WESCO Condor Medical Waste Treatment System	Shredding/Chemical (Chlorine dioxide)
	TEXAS	
MANUFACTURER	ALTERNATIVE TECHNOLOGY	METHOD
KC Mediwaste Co., L.C.	KC Mediwaste Medical Waste Treatment System, Model 200-A	Hot Air Convection
Medical Materials&Technology, Inc.	MMT System	Chemical
Medifor-X-Corporation	Medifor-X Dispoz-All Waste Treatment System	Infrared Thermal Inactivation/Compaction
MediVators, Inc.	DSI System 2000	Dry Heal/Encapsulation
Premier Medical Technology, Inc.	PMT System	Chemical
Thermal Equipment Corporation	Mediclave	Steam/Heat/Compression
United States, Incorporation	Redloc 2, RMW Treatment System	
	VIRGINIA	
MANUFACTURER	ALTERNATIVE TECHNOLOGY	METHOD
Bioconversion Technologies, Inc.	Bioconversion System	Shredding/Enzyme
Isolyser Co., Inc.	Sharps Mgt. System & Orex Processor	Chemical/Encapsulation
OBF Industries, Inc.	Premisorb 2/Vital 2 & Premicide	Chemical/Encapsulation
Stericycle, Inc.	Electro-Thermal Deactivation	Shredding/Low Frequency Radio Waves
Sterile Technology Industries, Inc.	STI Chem-Clav	Shredding/Chemical/Steam
Thermal Waste Technologies, Inc.	Demolizer System	Electro-Thermal

Vanguard Research, Inc.	PEPS	Pyrolysis
	WASHINGTON	
MANUFACTURER	ALTERNATIVE TECHNOLOGY	METHOD
Sanitec, Inc.	Sanitec Microwave Disinfection System - HG-A-250S & HG-A-100S	Shredding/Microwave
Stericycle, Inc.	Electro-Thermal Deactivation	Shredding/Low Frequency Radio Waves
	WEST VIRGINIA	
MANUFACTURER	ALTERNATIVE TECHNOLOGY	METHOD
Contaminatable Container Company	Clinical Laboratory Consultant Treatment	Chemical
Isolyser Co., Inc.	Sharps Management System (SMS) Liquid Treatment System-Plus	Chemical/Encapsulation Chemical/Solidifer
MediVators, Inc.	DSI System 2000	Dry Heal/Encapsulation
Medical Marketing International, Inc.	MedAway-1	Dry Heat
OBF Industries, Inc.	Premisorb 2/Vital 2 & Premicide	Chemical/Encapsulation
Risk Management Instruments, Inc.	Needlyzer	Electric Dry Heat
Sanitec, Inc.	Sanitec Microwave Disinfection System - HG-A-250S & HG-A-100S	Shredding/Microwave
SAS Systems, Inc.	ZDA-M3 Treatment System	Shredding/Steam Heat
Spintech, Inc.	TAPS	Thermal/Encapsulation
Sterile Technology Industries, Inc.	STI Chem-Clav	Shredding/Chemical/Steam
Steris Corporation	EcoCycle 10 Processor	Grinding/Chemical
Thermal Equipment Corporation	Mediclave	Steam/Heat/Compression
Thermal Waste Technologies, Inc.	Demolizer System	Electro-Thermal
Thermokill, Inc.	Thermokill Process	Grinding/Steam Heat
MANUFACTURER	ALTERNATIVE TECHNOLOGY	METHOD
Vance Ids, Inc.	Vance IDS System	Pyrolysis
World Environmental Service Corp. (Formerly Winfield Condor Medical Waste Treatment System)	WESCO Condor Medical Waste Treatment System	Shredding/Chemical (Chlorine dioxide)
<u> </u>	WISCONSIN	, , , , , , , , , , , , , , , , , , ,
MANUFACTURER	ALTERNATIVE TECHNOLOGY	METHOD
Sanitec, Inc.	Sanitec Microwave Disinfection System - HG-A-250S & HG-A-100S	Shredding/Microwave
Stericycle, Inc.	Electro-Thermal Deactivation	Shredding/Low Frequency Radio Waves

# STATES THAT HAVE NOT APPROVED ALTERNATIVE TECHNOLOGIES

Alaska

Minnesota

Arizona

Mississippi

Arkansas

Missouri

Colorada

Nevada

Deleware

New Hampshire

Hawii

New Mexico

Idaho

North Dakota

Iowa

Oklahoma

Kentucky

South Dakota

Maine

Utah

Maryland

Vermont

Wyoming

## STATES WITH APPROVED TECHNOLOGIES - LIST PENDING

Florida

Louisiana

Michigan

Rhode Island