APPENDIX D

LOCATION OF LAND TREATMENT SYSTEMS

This appendix contains lists of publicly owned treatment facilities and selected industrial facilities that employ land treatment. The lists were derived from a variety of sources including the EPA Needs Surveys, the literature, and individual states* lists and the Corps of Engineers.

The number of land treatment systems increased steadily from about 300 in 1940 to about 700 in 1976. It is probable that there are more industrial and more private land treatment systems than there are publicly owned land treatment systems. The present count of publicly owned land treatment systems is 839 SR, 323 RI, and 18 OF systems that are operating or are under construction in 1981.

D.l Slow Rate Systems

REGION I

Maine
Greenville

Massachusetts
Franklin

New Hampshire
Mt. Sunappee
Wolfeboro

Vermont
West Dover

REGION II

New Jerse
East Windsor
Neptune

REGION III

Mar land
Caroline Acres
Deep Creek Lake
Highlands
Rosamoor
St. Charles
Snowden*s Mill
Swanton
Tuckahoe
Village Center
Village Inn at Wisp
White

Virginia
John Kerr Lake

Pennsylvania
Benner Twp Bureau of Corr.)
Gettysburg
Hamilton Twps
Kennett Square
State College

REGION IV

Florida
Apopka
Bay County
Brevard County
Coco Beach
East Point
Elgin AFB
Fort Walton Beach
Hilliard
Jennings
Largo
L. Buena Vista (Disneyworld)
Lynn Haven
MacDill AFB
Marco Island
Newsberry
Okaloosa County
Pensacola (Scenic Hills)
St. Petersburg
Tallahassee
Tyndall AFB
Venice
Winter Haven
Zephyr Hills

Georgia
Braselton
Camp Oliver (Ft. Stewart)
Clayton Co. (R.L. Jackson)
Holiday Trav-L-Park (Lowndes Co.)
Jonesboro (Clayton Co.)
Kings Bay (Navy)
Skidaway Island
Stonewall Courthouse (Fulton Co.)

Mississippi
Arkabutla Lake

North Caroline
Pine Hurst
Seaboard
Woodland

South Carolina
Hilton Head Isl. (Bread Crk)
Hilton Head Isl. (Forest Beach)
Hilton Head Isl. (Plantation)
Sea Pines

REGION V

Illinois
Camp Point
Rend Lake, Big Muddy River

Indiana
Kewanna

Michigan
Allegan
Belding
Bellaire
Beulah
Bloomingdale
Bowne Township
Caledonia
Cassopolis
Chatham
Clarence Township
Clark Township
Colon
Columbiaville
Crystal Township
Denton Township
East Jordan
Farwell
Fremont
Grayling
Harbor Springs
Harrison
Hart
Honor
Houghton Co. BPW
Kalkaska
Kingsley
Lake Odessa

Lawton
Leoni Township
Livingston Co.
Mackinaw
Manton
Marion
Markey-Houghton
McBain
Middleville
Muskegon
Paw Paw
Pinckney
Quincy
Ravenna
Roscommon
Springport
Sunf ield
Union City
Vermontville
Wayland
Wixon
Whitehall
Webberville

Minnesota
Annandale
Battle Lake
Beardsley
Belgrade
Belle Plaine
Blackduck
Breezy Point
Cass Lake
Detroit Lakes
Eden Valley
Elysian
Frazee
Hayward
Henning
Kensington
Kimball
Lake Henry
New Auburn
New York Mills
Ortonville
Paynesville
Pequot Lakes
Walker
Watkins
Wyoming

Ohio
Deer Creek

Wisconsin
Arena
Avoca
Sauk City
Stone Lake

REGION VI

Arkansas
Amity Landing, DeGray Lake
Caddo River

New Mexico
Alamogordo

Cimarron

Clayton
Clovis
Deming
Dexter
Eunice
Gallup
Jal
Lordsburg
Los Alamos
Loving
Lovington
Hew Mexico Dept of Corr.
(Santa Fe Co.)
Portales
Raton
Roswell
San Jon
Silver City
Tularosa

Oklahoma
Amber
Apache
Bixby
Boise City
Byng
Calumet
Carter
Clinton
Cordell
Crescent
Davidson
Devol
Dill City
Duncan
Edmond
El Reno
Erick
Fairview
Frederick
Gage
Garber
Geary
Granite
Helena
Hobart
Hydro
Kingfisher
Lahoma
Laverne
Lone Wolf
Moore
Noble
Ochelata
Oklahoma City (Willow Ck)
Paula Valley
Pond Creek
Sentinel
Shattack
Spencer
Sportsmans Acres
Stillwater
Terral
Tupelo

Velma

Texas
Abernathy
Abilene
Albany
Amarillo
Amherst
Andrews
Anson
Anton

Aspermont
Austin (Williamson)
Benjamin
Bexar County

Big Lake
Blanco
Bonham
Booker
Bovina
Brady
Brownfield
Burnett
Castroville
Chillicothe
Claude
Clyde
Coahoma
Coleman
Colorado City
Corn fort
Crane
Crockett County
Crosbyton
Cross Plains
Crystal City
Dalhart
Darrouzett
Del Rio
Denver City
Devine
Dimmitt
Dublin
Dumas
Earth
Eldorado
El Paso (Ascarte)
El Paso (Fabens)
El Paso (Socorro)
Estelline
Fabens
Falfurias
Falls City
Farwell
Florence
Floydada
Ft. Stockton
Fredericksburg
Freer
Friona
Fritch
Georgetown
Goldsmith
Goldthwaite
Gorman
Graford
Grandfalls
Granger Lake
Greenfleld
Groom
Gustine
Hale Center
Happy
Hart
Hedley
Hereford

Holliday
Hondo (East)
Hondo
Houston (CIWA)
Idalou
Ingleside
Johnson City
Karnes City
Kermit
Kerrville

Kilgore
Kingsville
Kress
Lamesa
Levelland

Littlefield
Llano
Lockney
Loraine
Lore nzo
Lubbock
Lubbock (NW)

Lubbock (Yellowhouse)
McCamey
McLean
Mason
Matador
Mathis
Meadow
Memphis
Midland
Miles
Monahans
Morton
Muleshoe
Munday
New Home
Nordheim
North Fork Lake
Odonnell
Olton
Orange Grove
Ozona
Paducah
Pearsall
Pecos
Perryton
Petersburg
Plains
Poteet

Poth

Premont
Quitague
Ralls
Rankin
Richland Springs
Rio Grande City
Roaring Springs
Robinson (North)
Robinson (South)
Roby

Ropesville
Roscoe
Rotan
Runge
Sabinal

San Angelo
San Angelo (Airport)
San Antonio (partial)
San Suba
Santa Anna
Seagraves
Seminole
Shallowater
Shamrock

Silverton
Slaton
Snyder
Somerville Lake
Sonora
Stanton
Stinnett
Stockdale
Stratford
Sudan
Sundown
Sunray
Sweetwater
Tahoka
Te xli ne
Tolar
Troy
Tulia
Turkey
Uvalde
Van Horn
Vega

Weinert
Wellington
Wheeler
White Deer
Wilson
Winters
Wolfford
Youth Center

REGION VII

Iowa
New Hampton
Storm Lake

Kansas
Belleville
Bucklin
Chanute
Cheney
Colby
Elkhart
Elsmore
Enterprise
Formosa
Glen Elder
Goodland
Great Bend

Hays

Hugoton
I uka
Kinsley
Leot
Madison
Minneola
Montezuma
Park Meadows
Parker
Plains
Plainville

Quinter
Ransom
Rolla
Russell
St. Francis
St. John
Scott City
Stockton

Sublette
Sylvia
Syracuse
Treece
Udall

Ulysses
West Plains

Missouri
Bennet Spring
Brunswick
Clarence Cannon Dam, Salt River
Clearmont
Crowder St Park
Lockwood
Mark Twain National Forest
Montauk
Vandalia
Wright City

Nebraska
Clay Center
Davenport
David City
Gordon
Humphrey
Morrill

Oak
Phillips
Schuyler
spalding
Upland

REGION VIII

Colorado
Air Force Academy
Aurora
Burlington
Colo. Springs
Donala Development
Fitzsimmons AMO
Ft. Carson
Greeley
Holyoke
Inverness Development
Lake of the Pines
Northglenn
Snowmass
Steamboat Springs
Tammeron Development
Taylor Park
Wray

Montana
Aerial Fire Depot

Big Sky Development
Eureka

Rexford
Richey
Roberts
Rocky Boy
Roy
North Dakota
Alexander

Bowman
Dickinson
Sheyenne

Valley City
Watford
South Dakota
Eagle Butte
Gettysburg

Huron
Lake Andes
Mitchell

Utah
Bear River Central Disposal
Heber
Provo River Cental Disposal
Roosevelt
Spanish Fork
Tooele
Vernal

Wyoming

Snowy Range Central Disposal
Thayne

REGION IX

Arizona
Alpine
Arizona City
Benson
Casa Grande
Catalina
Coolidge
Ft. Huachuca
Gilbert
Joseph City

Lake Havasu (South WWTF)
Lake Havasu (Island WWTF)
Mesa
Page
Prescott
Saf ford
St. Johns
Taylor
Tucson
Tucson (Airport)
Williams AFB
Winslow

California
Apple Valley
Angels
Antelope Valley
Armona CSD
Arvin
Atascadero
Avenal
Bakersfield (No. 1 and 2)
Bakersfield (No. 3)
Bass Lake
Beale AFB
Bear Creek Estates
San Bernardino Co No. 70
Bear Valley
Bodega Bay
Bolinas
Brentwood
Buena Vista
Butte Community College
Buttonwillow
Boulder Creek
Calif. Inst. for Men (Chino)
Calif. Med. Facility
(Vacaville)
Calif Mens Colony (SLO)
Calipatria
Calistoga
Camarillo
Camarillo St. Hospital
Cambria
Camp Pendleton
Campo
Castle AFB
Chico
China Camp (Mann)
China Lake
Chowchilla
Clearlake Oaks
Coachella
Coachella Valley
Coalinga
Coit Ranches (Mendota)
Colfax
Corning
County Estates (Ramona)
Cutler—Orosi
Delano
Dinuba
Douglas Flat
Earlimart
Edgemont
El Dorado Hills
El Toro
Exeter
Fairfield
Fallbrook
Fed. Corr. Inst.
(Santa Barbara)
Fernbridge
Fernda le
Fontana
Forestville
Ft. Hunter—Liggett
Furnace Creek

George AFB
Golden Gate Park (SF)
Goldside Estates
Gonzales
Graton
Groveland
Guadalupe
Gustine
Half Moon Bay
Hanford
Healdsburg
Hemet
Houston Creek (Crestline)
Indian Mills
Indio
lone
Ivanhoe
Kerman
Kern Co. Ind. Farm
King City
La Canada
La Crescenta
Laguna
Laguna Hills
La Honda
Lake Arrowhead

Lake Berryessa
Lake Berryessa (Naps Co.)
Lake Cachuma
Lake Co. (Clearlake Mighlands)
Lake Elsinore
Lake Elsinore (Canyon Lake)
Lake Hughes
Lakeport
La Mont
Las Virgines
Le Grande
Lemon Cove
Lemoore
Limoneira Ranch
Lincoln
Lindsay
Livermore
Lodi
Los Alisos
Los Angeles Co.
(Acton Rehab. Center)
Los Angeles Co.
(Lancaster)
Los Angeles Co.
(Palmdale)
Los Angeles Co.
(Warm Springs)
Los Banos
Loyalton
McFarland
Madera Co. (North Fork)
Malibu (Probation Camp)
Manteca
March AFB
Meadowood
Mendocino City
Merced
Michelson (Irvine Ranch)
Moccasin
Modesto
Mokelumne Hill
Moulton—Niguel No. lA
Moulton—Niguel No. 3
Mt. Vernon
Murphys
Newcastle
North Fork
North Lakeport
North River No. 1
North Shore

Novato
Oakshores
Occidental
Ocotillo
Orange Cove
Pacific Union College (Angwin)
Palmdale
Palm Springs
Parlier
Perris
Petaluma
Pixley
Plymouth
Pomona
Prado Regional Park
Quincy
Ramona
Rancho California
Richardson Bay
Richardson Springs
Ridgecrest
Riverdale
Rohnert Park
Rosamond
Sacramento (Metro Airport)
San Bernardino

San Buenaventura
San Clemente
San Josquin Co. Gen. Hospital
San Juan Bautista
San Luis Obispo
San Luis Rey (Oceanside)
San Pasqual Acad.
(Escondido)
Santa Maria
Santa Nella
Santa Paula
Santa Rosa (Laguna)
Santa Rosa (Oakmont)
Santa Ross (West College)
Scotta Valley
Seeley Creek (Crestline)
Sea Ranch
Shady Glen
Shafter
Shasta Dam
Shastina
Sheridan
Smith River
Snelling
Sonoma Valley
South Tahoe
Spanish Flat
Strathmore
Sun City
Sunnymead
Sunol Valley
Susanville
(Dept of Corrections)
Sutter Creek
Taft
Tehachapi
Terra Bells
Thousand Oaks
Tomales
Tulare
Tulare Correction Center
Twentynine Palms
U.S. Vet. Admin. Hoap.
(Livermore)
Veteran Home (Yountville)
Wasco
Weed
Western Hills (Chino)

Westport
Willits
Wilseyville
Windsor
Windsor (Sonoma Co. Airport)
Winton
Woodlake
Woodland
Woodville
Woodward Bluff
Yountville

Hawaii
Hanalei
Kailua Kona
Kaunakakai
Keauhou
Lahaina
Schofield Barracks
Waimea

Nevada
Carson City
Dayton
Douglas Co.
Elko
Gerlach
Glen Meadows
Incline Village
Las Vegas (partial)
Las Vegas (Clark Co.) (partial)
Lemmon Valley
Owyhee
Winnemucca

REGION X

Idaho
Albion
Ashton
Boise (Gowen Field)
Bottle Bay
Bruneau
Donnelly
Emmett
Garfield Bay
Hazelton
Melba
Menan
Mt. Home
New Plymouth
Plummer
Rupert
Santa
St. Anthony
Wendell

Oregon
Adrian
Arch Cape
Bly
Boardman
Brownsville (North)
Brownsville (South)
Burns
Butte Falls
Corvallis (Airport)
Cottage Grove Lake
Cove
Creswell
Culver
Dexter Lake
Eagle Point
Echo
Eugene (Airport)
Forest Grove
Freeman Creek, Dworshak Dam
Gaston
Grouse Creek, Applegate Lake
Haines
Hilisboro, West Side
Nines
Jordan Valley
Junction City
Lakeside
Lakeview
Long Creek
Lowell
Madras
Metolius
Milton Freewater
Moro
Paisley
Prairie City
Richardson Point Park Fernridge Reservoir
Richland
St. Paul
Seneca
Sherwood
Siletz
Somerset West
Stewart Lake, Lost Creek
Sutherlin
Ukiah
Unity
Wasco
Yamhill

Washington
Camp Booneville
Cusick
Ephrata
Grandview
Naches
Prosser
Quincy
Soap Lake
Walla Walla (Industrial)
Warden
Waterville
Yakima (industrial)

D.2 Rapid Infiltration Systems

REGION I

Massachusetts
Barnstable
Chatham
Concord
Edgartown
Fort Devens
Nantucket (2)
Wareham

REGION II

New Jersey
Cranbury
Seabrook Farms (industrial)
Vineland

New York
Birchwood-North Shore (Holbrook)
Cedar Creek (Wantagh)
College Park (Farmingdale)
County Sewer District (Central Islip)
County Sewer District (Holbrook)
County Sewer District (Holtsville)
County Sewer District #5 (Huntington)
County Sewer District #11 (Ronkonkoma)
County Sewer District #12 (Holtsville)
Heatherwood (Calverton)
Huntington Sewer District
Lake George
Riverhead
Strathmore Ridge (Brookhaven)

REGION III

Maryland
Calhoun Marine Engineering School
Fort Smallwood
Jensen*s Inc. — Hyde Park

Quality Inn of Pecomore, Inc.
South Dorchester K-8 Center

REGION IV

Florida
Avon Park
Lehigh Acres
Sandlake (Orlando)
Tavares
Williston

Kentucky
Horse Cave

REGION V

Illinois
Meredosia
Sangaman Valley

Michigan
Alpha
Bangor
Baraga
Bates Township
Calumet
Chatham
Crystal Falls
Decatur
Dimondale
Edmore
Forsythe Township
Gaastra
Cedar Springs (Grand Rapids)
Grayling
Hopkins
Howard
Marcellus
Olivet
Onekama
Ottawa County Road Commission
Pentwater
Shelby
Stockbridge
Tekonsha

Minnesota
Medina

Wisconsin
Almond
Baldwin
Balsam Lake
Barron
Birchwood
Boyceville
Coloma
Deer Park
Fenwood
Fifield
Fontana
North Moraine (Glenbeulah)
Glenwood City
Grantsburg
Hammond
Haugen
Iron River
Kellnersville
King Veterans Home
Knapp
Lone Rock
Lyndon Station
Maribel
Mattoon
Merrimac
Milton
Minong
Mount Calvary
Neshkoro
Plainfield
Roberts
Rosholt
Sand Creek
Scandinavia
Sextonville
Spooner
Spring Green
Stetsonville
Stone Lake
Rozeliville (Stratford)
Kelly Lake (Suring)
Unity
Warrens
Wautoma
Wheeler
White Lake
Wild Rose
Williams Bay
Winter
Wittenberg
Wyocena

REGION VI

Louisiana
Ft. Polk

New Mexico
Hobbs
Springer
Vaughn

REGION VII

Nebraska
Chapman
Elwood

REGION VIII

Colorado
Sterling

Montana
Bazin
Bozeman
Corvallis
Plains
Stevensville
Victor

North Dakota
Parshall
Reeder

South Dakota
Madison

Wyoming
Jackson
Laramie

REGION IX

Arizona
Arcosanti (Cordes Junction)
Lo Lo Mai Springs
Mammoth
Phoenix (23rd Avenue)

Papago Tribal Wastewater Treatment System (Sells)
St. David
Thatcher
Marana (Tucson)
Green Valley (Tucson)
Arizona Correctional Training Facility (Tucson)
Corona de Tucson (Tucson)
Sunrise Resort (White River)
Wickenburg
Willcox

California
Applegate
Arbuckle
Baker
Banning
Barstow
Bieber
Pfeiffer Big Sur State Park
Biola College (Los Angeles)
Bishop
Placer County (Blue Canyon)
Blue Lake
Blythe
Bombay Beach
Desert Lake (Boron)
Bridgeport
Bueliton
Burney
Byron
California City
Calpella
Camino Heights
Caruthers
Cascade Shores
Warm Springs Rehabilitation Facility (Castaic)
Cares
Chester
Chualar
Coalinga
Corcoran
Corona
Courtland
Glen Helen Rehabilitation Center (Crestline)
Del Rey
Delhi
Desert Crest
Desert Hot Springs
Desert Shores
Discovery Bay
Whittier Narrows (Los Angeles County, El Monte)
Escalon
Etna
Farmersville
Fillmore
Firebaugh
Floriston
Fontana
Franklin
Fresno
Galt
Garberville
Gilroy
Gorman
Grass Valley
Grayson
Greenfield
Gridley
Hamilton City
Silver Lake (Helendale)
Pleasant Ridge School (Higgins Corner)
Hilmar
Hollister
Hopland
Huron
Idyllwild
Inyokern
Isleton
Julian
June Lake
Selma Community (Kingsburg)
Knights Landinq
La Selva Beach
Laguna Niguel
Lake of the Pines
Copper Cove (Lake Tulloch)
Laton
Lechuza
Linda
Linden
Linnell
Livingston
Lompoc
Lone Pine
Lopez Lake
Madera
Madison
Malaga
Mammoth Lakes
Maricopa
Mariposa
McCloud
McKittrick
Mineral
Mojave
Montague
Montalvo
Moorpark
Mt. Shasta
Newell
Oakdale
Orland
Victor Valley (Oro Grande)
Palm Desert
California Youth Authority (Paso Robles)
Pauma Valley
Pine Valley
Pinecrest

Poplar (Woodville Farm)
Porterville
Portola
Rancho Ponderosa
Rancho Santa Fe
Redlands
Reedley
Rialto
Richvale
Ripon
Riverbank
Running Springs
Salida
Salton City
San Ardo
Hemet San Jacinto
San Miguel
San Onofre State Beach
Sanger
Santee
Seeley
Shelter Cove
Smith Flat
Donner Summit (Soda Springs)
Soledad
Springville
St. Helena
Stirling City
Stratford
Tipton
Tranquillity
Tras Pinos
Tahoe-Truckee
Valley Center
Weaverville
Westlay
Was twood
Wheatland
Whispering Palms
Whitter (Los Angeles County, San Jose Creek)
Willow Creek
Woodbridge
Yreka
Yuba City
Yucaipa

Hawaii
Kihei

Nevada
Alamo
Beatty
Blue Diamond
Boulder City
Empire
Eureka
Gabbs
Goldfield
Hawthorne
Henderson
Jackpot
McDermitt
McGill
Montello
Overton
Panaca
Paradise Spa
Paradise Valley
Piocha
Stead
Tonopah
Wandover
Yerington

REGION X

Idaho
Dent Acres

Washington
Ritzville

D.3 Overland Flow Systems

REGION I

REGION II

New York
Harriman (pilot scale)

REGION III

Maryland
Beltsville
Chestertown (industrial)

Virginia
Gretna

REGION IV

Georgia
Woodburry

Mississippi
Cleveland
Falkner

South Carolina
Easley (R&D)

REGION V

Illinois
Carbondale
Fillmore

Indiana
Middleburry (industrial)

Michigan
Glenn (industrial)

Ohio
Alum Creak Lake
Napoleon (industrial)

REGION VI

Louisiana
Vinton

Oklahoma
Ada (R&D)
Heavener

Texas
El Paso (industrial)
Paris (industrial)
Rocky Point, Sulphur River
Sherman

REGION VII

REGION VIII

REGION IX

California
Davis
Davis (industrial)
Newman
Sebastopol (industrial)

Nevada
Minden—Gardnerville