

USERS' GUIDE
TO THE SOLID WASTE INFORMATION
RETRIEVAL SYSTEM THESAURUS

U.S. ENVIRONMENTAL PROTECTION AGENCY

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TO THE SOLID WASTE INFORMATION RETRIEVAL SYSTEM THESAURUS

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INTRODUCTION

The purpose of this guide is to tell the user the depth to which information is indexed for entry into the Solid Waste Information Retrieval System (SWIRS) information bank, and to give him the tools for proper utilization of this bank.

The guide is arranged in three sections. The first is a glossary that shows how certain terms are used in this particular information system. These definitions will not necessarily be found in the same form in other glossaries or lexicons since they relate specifically to this information bank.

The second section is a formal thesaurus of the actual keywords by which abstracts are indexed for input to the SWIRS information bank. This is a simple alphabetical listing rather than hierarchial. With each keyword is shown its identifying numerical code, which is used in developing search strategies, and by means of which the full information bank is searched for the information the user requires. The thesaurus is reviewed annually, and revisions will be published as appropriate.

In the third section are "use" terms. This section lists terms that are not SWIRS keywords, and refers the user to the corresponding keywords that should be used either for indexing or for developing search strategies. For example, the term "abate" is not in the formal thesaurus, but by consulting the Use Terms section, the user will be instructed to use "control," which is a keyword. Judicious selection of keywords will ensure that the information retrieved by the search is most responsive to the user's needs.

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DEFINITIONS

AGRICULTURE

Animal wastes and crop residues produced in farm, dairy, or livestock and poultry-raising operations.

AIR

Apply Pollution when the document deals with generalizations or the physical aspects of polluting.

Apply Quality when the document deals with standards and testing, definitive studies, etc.

ALLEY (COLLECTION)

Collection of solid waste placed adjacent to one or both sides of the alley.

AREA (LANDFILL METHOD)

A method of operating a landfill whereby solid waste is spread and compacted on the ground surface or upon a previous lift rather than in an excavation. Cover material, obtained from somewhere other than the working area, is spread and compacted over the exposed waste.

BOND

Financial or chemical bonds.

BULKY WASTES

Items of solid waste that due to their large size are not or cannot be handled by the general collection service, i.e., appliances, other whitegoods, furniture, etc.

BURNER

A device of simple construction used for volume reduction of refuse by burning. Device for the introduction of a flame to an incinerator furnace by delivering fuel and its combustion air, at desired velocities and turbulence, to establish and maintain proper ignition and combustion of the fuel.

CAN-FOOD

Beverage containers may be included within the scope of this term.

CARIBBEAN

Apply to countries listed below and others in this geographical area:

Puerto Rico

Jamaica

Virgin Islands

CENTRAL AMERICA

Apply to countries listed below and others in this geographical area:

Guatemala

Honduras

CHARGING

Introduction of solid waste to the furnace (at one time, as in a batch incinerator).

CHEMICAL COMPOUNDS

Break down the compounds into basic elements. For example, calcium sulfate would be indexed with both Calcium and Sulfur.

CHIP (CHIPPER)

A size reduction technique relying primarily on the shearing, cutting, or chipping action produced by sharp-edged blades attached to a rotating shaft (mandrel) which shave or chip off pieces of the object. Chippers are often used on tree branches or brush. Chip could also refer to wood chip(s).

CLINKER

Hard fused pieces of residue formed in the fire by agglomeration of ash, metals, glass and ceramics.

COATING

Packaging material problems or specifically, coating bales of refuse with tar, and/or other agents.

COLLECTION

The three types of collection categorized in this system are: municipal collection, contract collection, and private collection. Apply both Collection and other appropriate descriptor.

COMMERCIAL (SOLID WASTE)

Commercial solid wastes are those generated by stores, offices, shopping centers and other activities not responsible for the production of a product. See also Domestic or Institution or Industry.

COMMUNITY

Apply only in conjunction with Special to indicate Indian reservations, communes, ghetto areas and similar areas.

COMPACT

An agreement or arrangement. Do not confuse with compaction.

CONSTRUCTION (WASTE)

Waste materials resulting from construction, remodeling, and repair of houses, commercial building, pavements, and other structures. See also Demolition.

CONTRACT

The collection or disposal of solid wastes in which cities engage companies under formal agreements and definite specifications to handle municipal refuse, for which the contractors are paid from general public revenues or service fees collected by the city. See also Private.

COUNTY

Apply terms County and the name of the state; do not apply the name of the county as an index term.

For example: document deals with Prince George's County, Md. Index terms would be County and Maryland.

CRITERIA

Tests or rules for measuring the excellence, fitness, or correctness of something.

CURB (COLLECTION)

Collection of solid waste placed adjacent to the curb.

CYCLONE

A collector in which the velocity of an inlet gas stream is transformed into a confined vortex from which centrifugal forces tend to drive suspended particles to the wall of the cyclone; a climatic disturbance; a cyclone separator.

DATA

Statistics, charts, and other materials which are number-oriented.

DECOMPOSE

Apply the appropriate modifying term such as chemical, biological or thermal.

DEMOLITION (WASTE)

Waste materials and rubble resulting from demolition of houses, commercial buildings, pavements, and other structures.

DETACHABLE CONTAINER

A large metal container that can be pulled or lifted onto a truck and hauled to a disposal site for emptying or that can be mechanically emptied into a special solid waste collection truck.

DISASTER

Cyclones, hurricanes, tornados, and similar climatic disturbances.

DISEASE

See also Bacteria, Fungus, and Virus.

DOMESTIC (SOLID WASTE)

All solid waste which originates in single- or multiple-unit dwellings.

DUMPING

An indiscriminate method of disposing of solid waste (on land) in a manner which does not safeguard against environmental pollution.

ENERGY

Treatment by high-energy means, such as atomic and/or nuclear disposal, fusion torch as device for disposal, etc.
Not to be confused with Radiation.

EUROPE

Apply to countries listed below and others in this geographical area:

Austria	Italy
Belgium	Rumania
Czechoslovakia	Spain
Hungary	Yugoslavia

Also apply name of country involved; i.e., collection in Vienna would be indexed Collection, Austria, Europe, etc.

FAR EAST

Apply to countries listed below and other countries in this geographical area:

China	Taiwan
Indonesia	Thailand
Philippines	Vietnam

FECES

Human waste matter.

FENCE

Control measure at sanitary landfill, junkyard, etc.

FERTILIZER

Any material put on or in the soil to improve the quality or quantity of plant growth such as manure or chemicals. This term includes compost only when the compost is combined with additives of some sort.

FLUIDIZED BED (TECHNIQUE)

A combustion process based on the heat transfer from finely divided particles, such as sand, to combustible material in the combustion chamber. The materials in the chamber are supported and fluidized by a column of upward-moving air.

FLY ASH

All solids including ash, charred paper, cinders, dust, soot, or other partially incinerated matter, carried in the gas stream.

FOLIAGE

Leaves, branches, clippings, grass cuttings.

FREEZING

Primarily a method of sludge dewatering/drying.

FURNACE

The chamber of an incinerator into which the refuse is charged, dried, ignited, and burned.

GENERATION

Biological production, i.e., fly generation. Do not confuse with Produce.

HAZARDOUS

Those wastes which can cause serious injury, disease, or property damage, i.e., explosives, pathological wastes, toxic chemicals, etc.

HEATING VALUE

The British Thermal Units (Btu) liberated per pound of solid waste when burned completely; the products of combustion are cooled to the initial temperature.

HYDROLYSIS

A chemical reaction in which a compound reacts with the ions of water to produce a weak acid, a weak base, or both; includes but is not limited to a means of utilizing wood wastes and agricultural residues.

ILLUSTRATIONS

Schematic designs, photographs, maps, and other materials which are picture-oriented.

INDUSTRY (SOLID WASTE)

All solid wastes or the treatment of such wastes resulting from industrial and manufacturing operations such as factories, processing plants, repair and cleaning establishments, refineries, and rendering plants.

INSTITUTION (SOLID WASTE)

Solid wastes originating from schools, hospitals, research facilities, and other institutions.

JUNK

A collection of secondary materials such as scrap metal, rope, rags, etc., possibly sorted but unprocessed.

LAGOONS

Treatment process in which algae provide oxygen; process can be aerobic or anaerobic.

LANTZ

A destructive distillation process in which the combustible components of solid waste are converted to combustible gas, charcoal, and a variety of distillates.

LAW

Municipal, state, county or Federal act, bill, by-law, or ordinance.

LEACH (LEACHATE)

Liquid that emanates from a land disposal cell and contains dissolved, suspended and/or microbial contaminants from the solid waste. Also refers to processes in which mineral or metallic content is dissolved and washed away.

LEGAL

Court-actions; i.e., lawsuits, court-initiated fines, etc.

LIGHT

Apply only when indexing items which discuss the degradation of waste materials (plastic, for example), by artificial rays or sunlight.

LINER

Refractory liners in incinerators; container liners; or liners used to prevent water pollution in sanitary landfill operation.

LITTER

A variety of material ranging from paper to pieces of furniture discarded along public highways and in public places; also, poultry litter. Does not apply to abandoned automobiles.

MANAGEMENT

Apply when indexing items which discuss the overall operation (i.e., all aspects) of a disposal/handling method or system. Apply when item discusses more than one method or system, such as composting, incineration and sanitary landfilling.

MATHEMATICAL MODEL

Representation of a process, device or concept utilizing the science of numbers and their operations, inter-relations, combinations, generalizations, abstractions and of space configurations and their structure.

MECHANICAL

Machinelike; produced or operated by machinery or a mechanism. Apply term describing specific application involved: separation, transport, engineering.

MESOPHILL

See also Thermophil and Psychrophil, all of which relate to temperatures at which organisms thrive.

MICROORGANISM

Living things microscopic in size, such as bacteria, actinomycetes, plankton, yeasts, simple fungi, some algae, rickettsiae, spirochaetes, slime molds, protozoans, and some of the simpler multicellular organisms. Some produce disease in man, animals, or plants; some are involved in stabilization of solid waste (composting) and sewage.

MIDDLE EAST

Apply to countries listed below and others in this geographical area:

Egypt	Lebanon
Israel	Turkey

MOISTURE CONTENT (MOISTURE HOLDING CAPACITY)

The weight loss on drying a sample of solid waste to constant weight at a temperature of 100-105 C; also that quantity of water held by solid waste.

MUNICIPALITY

Apply when specific city is integral part of document; also apply state name. Do not apply the name of the city itself except where it appears in the existing Thesaurus.

Example: San Francisco.

NEWSPRINT

Newspapers, newsletters, etc., as distinguished from general paper products. Apply both Paper and Newsprint on such documents.

NON-COMBUSTIBLE

Any refuse material that cannot be burned at ordinary incinerator temperatures (1300 F to 2000 F).

NON-FERROUS

Apply both Metal and Non-ferrous when applicable.

OFFAL

The entrails, etc., of a butchered animal; slaughterhouse waste.

OPEN

Open dumps; open pit incinerators; open containers; open burning.

PERCOLATE

A qualitative term referring to the downward movement of water through soil.

p^H

Negative log of hydrogen ion concentration.

PILOT PLANT

Apply terms applicable to the specific situation. If a pilot plant is evaluating the feasibility of combined refuse-sludge composting for a municipality, then apply the terms Combined, Refuse, Sludge, Composting, and Municipality.

PRIVATE

The collection or disposal of solid wastes for which citizens or firms, individually or in limited groups, pay collectors or private operating agencies. Does not include municipally-funded collection or disposal systems.

PRODUCE

Non-biological production, i.e., electrical energy produced or developed as the result of refuse incineration.

PROPERTY

Real estate; land values; property control by zoning leases or other similar actions.

PSYCHOLOGICAL

Public information and education programs; pollution prevention/cleanup campaigns; projecting or clarifying the image of sanitation personnel; psychological effects of existing or proposed solid waste-handling facilities upon residents.

PURIFICATION

Water treatment, liquid sewage treatment, and similar processes.

PYROLYSIS

The process of chemically decomposing a substance by heating it in an oxygen-deficient atmosphere. High heat is usually applied to the material in a closed chamber, evaporating all moisture and breaking down materials into various hydrocarbon gases and carbon-like residue. See also Distillation.

RADIATION

Treatment by radiation, such as ultra-violet rays, irradiation, etc. Does not refer to disposal of radioactive wastes.

RAILROAD CAR

The management of railroad cars and parts thereof.

RAMP (LANDFILL METHOD)

An area method of operating a landfill whereby cover material is obtained by excavating in front of the working face. See also Area Landfill Method.

RECREATION AREA

Apply in relation to solid waste management in beaches, parks, sports facilities and zoos.

REFUSE

Apply this term only for composition of refuse in various circumstances (i.e., general analysis, composition of refuse handled at landfill operations, etc.), data on refuse production, and refuse-sludge combination treatment.

SCANDINAVIA

Apply to countries listed below.

Sweden	Norway	Iceland
Denmark	Finland	

Please apply both Scandinavia and Europe to such items.

SCAVENGER

One who participates in the uncontrolled picking of materials at a dump, incinerator, or solid waste storage areas. Colloquial - independent solid waste collector.

SEPARATOR

The actual machinery or equipment performing this function. Separating refers to the process.

This same policy applies to terms such as Compost, Composting (process), Incinerator, Incineration (process), etc.

SIMULATION

Prototype; original; model. The first thing or being of its type.

SOIL CONDITIONER

Includes humus and mulch; does not include spreading of manure, sludge or slurries on land or combining wastes with chemical agents.

STANDARD

Model contracts, ordinances, guidelines, and similar items require both this term and other appropriate descriptor; i.e., Sanitary landfill and Standard. The term applies to some measure, principle, model, etc. with which things of the same class are compared in order to determine their quantity, value, quality, etc.

STERILIZE

To destroy all microorganisms and their spores outside the body by chemical or physical means. Can also be called disinfection.

SURVEY

Location and recording of elevations, directions, etc., by means of instruments.

TAILINGS

Second grade or waste material separated from raw material during screening or processing.

TRAIN

Collection system; use ONLY in this context.

TRANSPORT

Movement of solid waste from one area to another. Also flow, dispersion, and diffusion situations, or groundwater movement.

TRANSPORTATION TERMINAL

Subway, bus, or train station or airport.

TRENCH (LANDFILL METHOD)

A method of operating a landfill whereby a trench is excavated specifically for placement of solid waste, and the excavated soil is used as cover material.

UTILIZE

Actual use of product/by-product; i.e., waste heat utilization; also refers to use of completed sanitary landfills as parks, and other facilities.

VECTOR

Identify the vector, using Rodent, Fly, or Insect.
Apply appropriate modifiers; i.e., Disease, Control, etc.

VEGETATION

Plants, i.e., vegetation being planted on completed sanitary landfills; effect of compost on vegetation such as shrubbery and flowers, vines, and other plant life. Does not refer to crops.

WALL

Apply only with water-walled incinerators/incineration.

WATER

Apply Pollution when the document deals with generalizations and/or the physical aspects of polluting.

Apply Quality when the document deals with standards and testing, making water acceptable for use, definitive studies, etc.

ZIMMERMAN PROCESS

See also Wet oxidation.

KEYWORDS

00050	ABANDONED
00300	ABSORPTION
00350	ACCIDENT
00450	ACID
00500	ACTIVATED CARBON
00550	ACTIVATED SLUDGE
00800	ADMINISTRATION
00850	ADSORPTION
00900	AERATION
00950	AEROBIC
01000	AEROSOLS
01050	AESTHETIC
01100	AFRICA
01200	AFTERBURNER
01250	AGGREGATE
01350	AGRICULTURE
01400	AGRONOMIST
01450	AIR
01500	AIRCRAFT
01600	ALABAMA
01650	ALASKA
01800	ALCOHOL
01850	ALGAE
01900	ALKALINE
01950	ALLEGHENY
02000	ALLEY
02100	ALUM
02200	ALUMINUM
02400	AMINO ACID
02450	AMMONIA
02650	ANAEROBIC
02700	ANALYSIS
02750	ANIMAL
02950	ANTARCTICA
03050	APHA

03150	APWA
03200	AREA
03300	ARIZONA
03350	ARKANSAS
03500	ASBESTOS
03550	ASH
03650	ASPHALT
03700	ASSOC
03750	ATLANTA
03850	ATOMIZED
03860	AUDIO-VISUAL
04000	AUSTRALIA
04050	AUSTRIA
04100	AUTHORITY
04200	AUTOMATIC
04250	AUTOMOBILE
04400	AUXIN
04450	BACTERIA
04600	BADEN-BADEN METHOD
04650	BADEN-BRUGG
04700	BAFFLE
04750	BAGASSE
04800	BALING
04900	BALTIMORE
05050	BARK
05100	BARRINGTON
05150	BASIN
05200	BATCH
05750	BELGIUM
05800	BENEFIT
06050	BIBLIOGRAPHY
06350	BIOLOGICAL
06450	BIOTANK
06900	BLOWER
06950	BOARD
07000	BOD
07050	BOILER
07100	BOND
07200	BOP
07350	BOSTON

07450	BOTTLE
07700	BREWERY
07800	BRICK
07900	BRICKLARE PROCESS
07950	BRIQUETTE
08200	BSWM
08250	BTU
08275	BU MINES
08450	BUILDING
08550	BULKING
08650	BULKY WASTES
08700	BULLDOZER
08800	BURNER
08850	BURNING
08900	BURY
09000	BY-PRODUCT
09200	CALCIUM
09400	CALIFORNIA
09650	CAMPAIGN
09700	CAN-FOOD
09800	CANADA
09850	CANNING
09950	CAPACITY
10150	CAPROLACTAM
10250	CARBOHYDRATE
10300	CARBON
10350	CARBON DIOXIDE
10450	CARCASS
10480	CARIBBEAN
10650	CASPARI
10700	CATALYST
10750	CATTLE
10800	CELLULOSE
10860	CENTRAL AMERICA
10900	CENTRALIZED
10950	CENTRIBED SYSTEM
11000	CENTRIFUGE
11050	CERAMIC
11100	CHAMBER
11300	CHARCOAL

11400	CHARGING
11450	CHEMICAL
11550	CHICAGO
11600	CHIMNEY
11700	CHIP
11750	CHLORIDE
11900	CHLORINE
12100	CHROMIUM
12150	CHUTE
12200	CINCINNATI
12250	CITRUS
12300	CIVIC AMENITIES ACT
12450	CLASSIFICATION
12500	CLAY
12550	CLEAN AIR ACT
12600	CLEANUP
12750	CLIFTON
12800	CLIMATE
12950	CLOSED
13000	CLOTHING
13100	COATING
13200	COD
13250	CODE
13500	COLIFORM
13550	COLLAPSIBLE
13600	COLLECTION
13750	COLORADO
13900	COMBINED
13950	COMBUSTIBLE
14000	COMMERCIAL
14100	COMMUNITY
14200	COMPACT
14250	COMPACTION
14300	COMPARISON
14350	COMPOSITION
14400	COMPOST
14450	COMPOSTING
14550	COMPUTER
14600	CONCENTRATION
14700	CONCRETE

14800	CONFERENCE
14850	CONNECTICUT
15000	CONSTRUCTION
15050	CONSULTANT
15100	CONTAINER
15150	CONTINUOUS
15200	CONTINUOUS CASTING
15250	CONTRACT
15400	CONTROL
15450	CONVERT
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15850	CORROSION
15950	COST REDUCTION
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16900	DAIRY
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17150	DARE
17200	DATA
17400	DEBRIS
17450	DECOMPOSE
17500	DEEP WELL
17550	DEFINITION
17650	DE-INK
17750	DELAWARE
17800	DEMOLITION
17850	DEMONSTRATION
17950	DENSITY
18000	DENVER
18050	DOA
18100	DOC
18150	DOD

18200	DHEW
18250	DHUD
18300	DOI
18350	DEPT OF SANITATION
18550	DESALINIZATION
18600	DESERT
18650	DESIGN
18750	DETACHABLE CONTAINER
18800	DETERGENT
18850	DETROIT
19000	DIGESTION
19050	DIGESTOR
19150	DILUTION
19200	DISASTER
19250	DISCHARGE
19300	DISCUSSION
19350	DISEASE
19500	DISPOSABLES
19550	DISPOSAL
19600	DISPOSER
19650	DISTANCE
19700	DISTILLATION
19750	DISTILLERY
19850	DISTRICT OF COLUMBIA
20000	DOMESTIC
20050	DORR-OLIVER
20100	DRAINAGE
20150	DREDGER
20250	DRUGS
20300	DRYING
20400	DUMP
20450	DUMPING
20550	DUST
20750	EARTH
20850	ECOLOGY
20900	ECONOMICS
21100	EFFLUENT
21300	ELECTRICAL
21350	ELECTRIC ARC
21550	ELECTROLYSIS

21750	ELECTROSTATIC PRECIPITATOR
21950	EMISSION
22050	ENCLOSURE
22150	ENERGY
22350	ENVIRONMENT
22410	EPA
22450	EPIDEMIOLOGY
22500	EQUIPMENT
22600	EROSION
22650	ESSLINGEN
22750	EUROPE
22850	EVAPORATION
23000	EXHIBITION
23150	EXPLOSION
23300	FAA
23350	FACILITY
23400	FACULTATIVE
23450	FAIRFIELD-HARDY
23460	FAR EAST
23550	FARM
23650	FAT
23800	FECES
23850	FEDERAL
23900	FEE
23950	FEED
24000	FEED LOT
24050	FENCE
24100	FERRASCREE
24150	FERMENTATION
24250	FERTILIZER
24300	FIBER
24550	FILTER
24700	FINE
24800	FIRE
24950	FISH
25150	FLOCCULANT
25300	FLORIDA
25350	FLOTATION
25450	FLUIDIZED BED
25700	FLY

25750	FLY ASH
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26000	FOOD PROCESSING
26050	FORESTRY
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26500	FRUIT
26550	FUEL
26700	FUNGUS
26800	FURNACE
26850	GAINESVILLE
26950	GARBAX
27000	GARBEQUE
27050	GARCHEY SYSTEM
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27300	GASSES
27400	GSA
27450	GENERATION
27550	GEOGRAPHY
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27650	GEORGIA
27750	GERMANY
27900	GLASS
28250	GONDARD
28300	GORATOR
28350	GOVERNMENT
28550	GRAIN
28600	GRANT
28650	GRATE
28850	GREAT BRITAIN
28950	GRIND
29050	GROUND WATER
29150	GUAM
29550	HALDEX

29650	HAMMERMILL
29700	HARBOR
29900	HAWAII
29950	HAZARDOUS
30000	HAZEMAG
30050	HEALTH
30150	HEAT
30200	HEATING VALUE
30300	HEIL-GONDARD
30450	HERSHEY
30500	HHFA
30600	HIGHWAY
30650	HISTORY
30700	HOG
30800	HOLDER
31050	HOPPER
31250	HOSPITAL
31350	HOUSTON
31450	HUMAN
31550	HUNGARY
31600	HYDRASPOSAL
31650	HYDRAULIC
31750	HYDROCARBON
31850	HYDROGEN
32000	HYDROLOGY
32050	HYDROLYSIS
32100	HYDROPONIC SYSTEM
32200	ICC
32300	IDAHO
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32400	ILLINOIS
32450	ILLUSTRATIONS
32650	IMPELLER
32700	INCENTIVE
32750	INCINERATION
32800	INCINERATOR
32850	INDIA
32900	INDIANA
33100	INDUSTRY
33200	INFECTION

33250	INJURY
33350	INORGANIC
33400	INSECT
33500	INSTITUTE FOR SOLID WASTE
33550	INSTITUTE OF PUBLIC CLEANSING
33600	INSTITUTION
33700	INTAPUC
33750	INTER
33800	INTERNATIONAL
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33900	ION
33950	ION EXCHANGE
34000	IOWA
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34100	IRGRD
34150	IRON
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34500	JAPAN
34700	JUNK
34850	KALAMAZOO
34900	KANSAS
35000	KENTUCKY
35050	KERATIN
35150	KINETICS
35350	LABORATORY
35450	LAGOONS
35600	LAKE TAHOE
35650	LAND
35800	LANTZ
35850	LARAMIE
35900	LARGE
36050	LATRINE
36150	LAW
36250	LEACH
36400	LEASE
36550	LEGAL
36700	LICENSE
36750	LID

36800	LIFT
36850	LIGHT
36950	LINE
37100	LINER
37250	LIQUID
37300	LIQUOR
37350	LITERATURE
37400	LITTER
37500	LIVESTOCK
37550	LOADER
37600	LOCAL
37650	LONDON
37700	LOS ANGELES
37800	LOUISIANA
37900	L-STOKER
38050	LYE
38100	LYSIMETER
38350	MAGNET
38400	MAINE
38450	MAINTENANCE
38500	MALTA
38550	MANAGEMENT
38750	MANUAL
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39000	MARTIN
39050	MARYLAND
39100	MASSACHUSETTS
39250	MATHEMATICAL MODEL
39300	MAXIMUM PAY LOAD
39400	MEAL
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39500	MEAT
39700	MELT
39800	MELT-ZIT
40000	MERCURY
40050	MESOPHIL
40150	METAL
40200	METALBORG SEMBLER

40250	METHANE
40350	MEXICO
40450	MIAMI BEACH
40550	MICHIGAN
40600	MICROBIOLOGY
40700	MICROORGANISM
40760	MIDDLE EAST
40860	MILITARY
40900	MILWAUKEE
40950	MINE
41000	MINERAL
41100	MINNESOTA
41200	MISSISSIPPI
41300	MISSOURI
41600	MOISTURE CONTENT
41750	MOLE
41850	MONITOR
41900	MONTANA
41950	MONTREAL
42050	MORSE BOULGER
42300	MOVABLE
42500	MULTIBACTO METHOD
42550	MULTIPLE HEARTH
42650	MUNICIPALITY
42800	NAPCA
42900	NCUIH
42950	NCEP
43000	NEBRASKA
43100	NETHERLANDS
43200	NEVADA
43300	NEW HAMPSHIRE
43350	NEW JERSEY
43450	NEW MEXICO
43500	NEW ORLEANS
43600	NEW YORK
43650	NEWSPRINT
43700	NEW YORK CITY
43750	NEW ZEALAND
43800	NICHOLS
43950	NITRIFICATION

44000	NITROGEN
44050	NOISE
44150	NON-COMBUSTIBLE
44200	NON-FERROUS
44350	NORTH CAROLINA
44400	NORTH DAKOTA
44600	NUISANCE
44800	OCCUPATION
44850	OCEAN
44900	ODOR
44950	OFFAL
45050	OHIO
45100	OIL
45150	OKLAHOMA
45200	OMAHA
45300	ON SITE
45350	ONTARIO
45400	OPEN
45450	OPERATIONS RESEARCH
45550	OREGON
45600	ORGANIC
45750	OSMOSIS
45760	OSWMP
45850	OXIDATION
45900	OXIDATION DITCH
45950	OXID RED POT
46050	OXYGEN
46150	PACKAGING
46200	PACKER
46250	PAINT
46350	PALMA PROCESS
46400	PAPER
46550	PARASITE
46600	PARIS
46750	PARTICULATE MATTER
46900	PASSAVANT PROCESS
47000	PATENT
47050	PATHOGEN
47350	PENNSYLVANIA
47400	PERCOLATE

47450	PERSONNEL
47550	PESTICIDE
47650	PFA
47700	PH
47750	PHENOL
47850	PHILADELPHIA
48000	PHOSPHATE
48050	PHOSPHORUS
48400	PIPELINE
48500	PITS
48650	PLANNING
48700	PLANT-INDUSTRIAL
48800	PLASTIC
48850	PLATING
48900	PLOWING
48950	PNEUMATIC
49000	POLAND
49050	POLICE DEPARTMENT
49150	POLLUTION
49200	POLYELECTROLYTE
49250	POLYETHYLENE
49300	POLYMER
49450	POLYVINYL CHLORIDE
49550	POPULATION
49600	PORTEOUS
49800	POTATO STARCH
49900	POULTRY
50000	POWER
50050	PRECIPITATE
50500	PRIVATE
50550	PROBLEMS
50600	PROCESS
50650	PRODUCE
50700	PROGRAMMING
50750	PROJECTION
50800	PROLER
50850	PROPERTY
50950	PROTEIN
51000	PROTEIN WATER
51050	PSYCHOLOGICAL

51100	PSYCHROPHIL
51150	PUBLIC
51300	PHS
51350	PUBLIC RELATIONS
51370	PUBLIC UTILITY
51400	PUBLIC WORKS
51500	PULP
51650	PUMP
51700	PURIFICATION
51750	PUTRESCIBLE
51775	PYROLYSIS
51800	QUALITY
51850	QUANTITY
51900	QUARRY
51960	RADIATION
52050	RADIOACTIVE
52160	RAIL HAUL
52250	RAILROAD CAR
52400	RAMP
52700	RECLAMATION
52710	RECREATION AREA
52850	REDUCTION
52900	REEF
52950	REFINERY
53000	REFRACTORY
53050	REFUSE
53150	REGIONAL
53200	REGULATIONS
53300	RESEARCH
53350	RESIDENTIAL
53400	RESIDUE
53450	RESIN
53500	RESISTANCE
53550	RESPONSIBILITY
53600	RESTAURANT
53800	RHODE ISLAND
54250	RODENT
54400	ROTARY KILN
54450	ROTATING
54500	ROTATING DRUM

54650	ROUTE
54700	RUBBER
54750	RUMANIA
54800	RURAL
54850	SACK
54900	SAFETY
54950	SALARY
55050	SALMONELLA
55100	SALT
55150	SAMPLING METHODS
55250	SAND
55350	SAN FRANCISCO
55400	SANITARY
55500	SANITARY LANDFILL
55600	SANTA CLARA
55750	SAWDUST
55810	SCANDINAVIA
55900	SCAVENGER
55950	SCHENECTADY
56050	SCOOTER
56100	SCOTLAND
56150	SCRAP
56250	SCRUBBER
56350	SEASONAL
56400	SEATTLE
56550	SEDIMENTATION
56600	SEED
56650	SEERDRUM
56700	SELENIUM
56900	SEPARATING
57000	SEPARATOR
57050	SEPTIC TANK
57150	SETTLEMENT
57250	SEWAGE
57500	SHELL
57600	SHERMAN ANTI TRUST ACT
57650	SHIP
57950	SHREDDING
58100	SILICON
58350	SIMULATION

58400	SINTER
58450	SITES
58600	SLAG
58700	SLAUGHTERHOUSE
58800	SLUDGE
58850	SLURRY
58900	SMALL
58950	SNOKE
59000	SMOKELESS
59050	SNOW
59150	SOCIO-ECONOMIC
59200	SODIUM
59300	SOIL CONDITIONER
59350	SOLID
59400	SOLID WASTE DISPOSAL ACT
59450	SOLUBILITY
59500	SOLVENT
59550	SOMAT
59650	SOUTH AFRICA
59700	SOUTH AMERICA
59750	SOUTH CAROLINA
59800	SOUTH DAKOTA
59850	SPACE CRAFT
59900	SPAIN
59950	SPECIAL
60050	SPECIFICATION
60100	SPECTROGRAPHIC
60450	SPREADING
60500	STABILIZATION
60550	STANDARD
60600	STATE
61000	STERILIZE
61050	ST LOUIS
61150	STORAGE
61350	STRAW
61400	STREET CLEANING
61500	STRIKE
61800	SUGAR
61950	SULFUR
62350	SURVEY

62400	SUSPENDED
62500	SWARF
62600	SWEEPER
62650	SWITZERLAND
62750	SYNTHETIC
62800	SYSTEM
62900	SYSTEMS ANALYSIS
62950	TAILINGS
63150	TANK
63200	TANNERY WASTE
63300	TAR
63350	TAXES
63450	TEEPEE
63550	TEMPERATURE
63600	TENNESSEE
63700	TEXAS
63750	TEXTILE
63850	THERMAL
63900	THERMOPHIL
64050	TIME
64150	TIRE
64200	TOBACCO
64250	TOCKS ISLAND
64350	TOLLEMACHE SYSTEM
64550	TOXIC
64750	TRACTOR
64850	TRAILER
64860	TRAIN
64950	TRAINING
65050	TRANSFER STATION
65100	TRANSPORT
65150	TRANSPORTATION TERMINAL
65250	TREATMENT
65300	TRENCH
65400	TRIGA SILO TYPE
65450	TRUCK
65700	TURBULENT LAYER METHOD
65850	TVA
65950	ULTRA SONIC
66100	UNDERGROUND

66150	UNION
66250	UNIVERSITY
66350	US
66550	USSR
66600	UTAH
66700	UTILIZE
66750	VACUUM
67100	VAN MAANEN PROCESS
67200	VEGETABLE
67250	VEGETATION
67350	VERMONT
67400	VIBRATION
67650	VIRGINIA
67800	VIRUS
67900	VITAMIN
67950	VKW
68050	VOLUME
68100	VOLUND
68150	VON ROLL SYSTEM
68200	WALES
68250	WALL
68350	WASH
68400	WASHINGTON
68450	WASTE HEAT
68600	WASTE WATER
68650	WATER
68750	WATERWAY
68850	WAYNE
69000	WEIGHT
69350	WEST VIRGINIA
69400	WET OXIDATION
69500	WHO
69550	WINDROW
69650	WISCONSIN
69700	WOOD
69950	WYOMING
70000	YARD
70050	YEAST
70100	YUGOSLAVIA
70200	ZIMMERMAN PROCESS

USE TERMS

abate use CONTROL

abattoir use SLAUGHTERHOUSE

abrasive use SALT; SAND or FLY ASH, as applicable

ABS use DETERGENT

accidental use ACCIDENT

acidic use ACID

act use LAW

activated charcoal use ACTIVATED CARBON

administer use ADMINISTRATION

advantages use BENEFIT

agreement use COMPACT

airport use TRANSPORTATION TERMINAL

alkali use ALKALINE

alloy use METAL

alumina sludge use ALUMINUM; SLUDGE

American Public Health Association use APHA

American Public Works Association use APWA

ammonium use AMMONIA

apartment use BUILDING; RESIDENTIAL

appliance use BULKY WASTES

atmosphere use AIR

autoclave use STERILIZE or DRYING, as applicable

bacteriology use MICROBIOLOGY

barge use SHIP

base use ALKALINE

basic oxygen process use BOP

bauxite use ALUMINUM

bay use WATERWAY

beach use RECREATION AREA

beautification use AESTHETIC

benthos use MICROORGANISM

beryllium use METAL

bid use CONTRACT

bill use LAW

bin use CONTAINER

biochemical oxygen demand use BOD

biodegradability use DECOMPOSE; BIOLOGICAL

bitumen use TAR

bone use TANNERY WASTE or SLAUGHTERHOUSE, as applicable

bonus use INCENTIVE

boron use CHEMICAL

borrow pit use SANITARY LANDFILL

box use CONTAINER; PAPER

branches use FOLIAGE

British Thermal Unit use BTU

broom use SWEEPER

brush (sweeping device) use SWEEPER

brush (yard trimmings) use FOLIAGE

budget use ECONOMICS

Bureau of Solid Waste Management use OSWMP

by-law use LAW

cadmium use METAL

cage use ENCLOSURE

calorific value use HEATING VALUE

canal use WATERWAY

cane use BAGASSE

capital use ECONOMICS

carbon monoxide use GASSES; CARBON; OXYGEN

carboy use CONTAINER

cardboard use PAPER

carton use PACKAGING

catch basin use SEPARATOR or FILTER, as applicable

cellulose acetate use CELLULOSE

cement use CONCRETE

census use SURVEY

characteristics use COMPOSITION

charge use CHARGING

chart use DATA

cheese use DAIRY

chemical oxygen demand use COD

chlorinated hydrocarbon use CHLORINE; HYDROCARBON

chlorination use CHLORINE

chop use SHREDDING

christmas tree use VEGETATION

city use MUNICIPALITY

clarifier use SEPARATOR or SEPARATING

clinker use RESIDUE

clipping use FOLIAGE

coagulation use CONCENTRATION

coal use FOSSIL FUEL

coconut use FRUIT

coke use FOSSIL FUEL

colloid use SUSPENDED; PARTICULATE MATTER

committee, subcommittee or hearings use FEDERAL; GOVERNMENT for
U.S.; use SPECIAL; AUTHORITY for other countries

commune use SPECIAL; COMMUNITY

communication use MONITOR

compress use COMPACTION

concentrator use CONCENTRATION

conduit use PIPELINE

consistency use CONCENTRATION

contractor use CONTRACT

controlled tipping (Great Britain) use SANITARY LANDFILL

cook (chemical) use PROCESS

cook (cooked garbage) use TREATMENT; REFUSE

copper use NON-FERROUS

cost use ECONOMICS

cotton use TEXTILE

course use TRAINING

court use LEGAL

cover use EARTH

cull use SEPARATING

cullet use GLASS

cutting use SHREDDING

cyanide use TOXIC; CHEMICAL

D&J press use COMPACTION; EQUIPMENT

dead use CARCASS

decay use DECOMPOSE

degradation use DECOMPOSE and CHEMICAL; BIOLOGICAL or THERMAL,
as applicable

dehydrating use DRYING

disinfection use STERILIZE

disintegrate use REDUCTION

disking use PLOWING

dolomite use REFRACTORY; LINER

dross use RESIDUE

dry separation use DRYING; SEPARATING

duct use PIPELINE

dung use MANURE

dustbin use CONTAINER

dustless use DUST; CONTROL

Dutch Elm use VEGETATION; DISEASE

dysentery use DISEASE

earthquake use DISASTER

e-coli use COLIFORM

ecosystem use ECOLOGY

electricity use ELECTRICAL

electroplating use PLATING
elutriation use WASH
England use GREAT BRITAIN
enteritis use DISEASE
enzyme use ORGANIC; CATALYST
escherichia use COLIFORM
estuary use WATERWAY
ethyl alcohol use ALCOHOL; SOLVENT
eutrophication use ALGAE; BOD
evaporate use DRYING
excreta use MANURE
experimental use INVESTIGATION
export use MARKET
exude use PERCOLATE
fan use BLOWER
feathers use KERATIN
fill use EARTH
films use AUDIO-VISUAL
filtration use FILTER; PROCESS
finance use ECONOMICS

firebrick use REFRACTORY; LINER

fish meal use FISH

flammable use COMBUSTIBLE

flocculation use FLOCCULANT

flood use DISASTER

flow use PIPELINE; TRANSPORT

flowers use FOLIAGE

flue use CHIMNEY

food establishment use RESTAURANT

fumes use EMISSION

fungicide use PESTICIDE

garage use TRUCK; MAINTENANCE

garbage use REFUSE

garbage can use CONTAINER

gas chromatography use GASSES; ADSORPTION

gas cleaning use GASSES; SCRUBBER or OTHER EQUIPMENT, as
applicable

gasoline use HYDROCARBON

gastrointestinal disorders use DISEASE

generate (non-biological) use PRODUCE

geological survey use GEOLOGIC; SURVEY

germanium use METAL

ghetto use SPECIAL; COMMUNITY

glossary use DEFINITION

glucose use SUGAR

glycine use AMINO ACID

gold use METAL; NON-FERROUS

graph use DATA

grass use FOLIAGE

gravel use SAND

grease use FAT

grinder (household garbage) use DISPOSER

grit use SLUDGE; SEDIMENTATION

ground use EARTH

grouting use STABILIZATION

gully use TRENCH

gutter use CURB

gypsum use CALCIUM

hair use KERATIN

handbook use MANUAL

haul use TRANSPORT

herbicide use PESTICIDE

hooves use KERATIN

hops use BREWERY

horns use KERATIN

household use DOMESTIC

Housing & Home Finance Agency use HHFA

hull or husk use SHELL

humus use SOIL CONDITIONER

hurricane use DISASTER

hydrochloric acid use ACID

hydrogen ion concentration use pH

hygienic use SANITARY

ice use SNOW

immunity use DISEASE; CONTROL

import use MARKET

incendiary use COMBUSTIBLE

Indian reservation use SPECIAL; COMMUNITY

inflammable use COMBUSTIBLE

inlet use WATERWAY

insectide use PESTICIDE

inspection use REGULATIONS

International Congress on Public Cleansing use INTAPUC

International Research Group on Refuse Disposal use IRGRD

irradiation use RADIATION

jute use FIBER

kiln use ROTARY KILN or FURNACE, as applicable

kraft use PAPER

labor use PERSONNEL

lactose use SUGAR

lake use WATERWAY

landfill use SANITARY LANDFILL

landscaping use AESTHETIC

LAS use DETERGENT

lead use NON-FERROUS

leather use TANNERY WASTE

leaves use FOLIAGE

legislation use LAW

liability use RESPONSIBILITY

lignin use CELLULOSE; FIBER

limestone use LIME

linear programming use SYSTEMS ANALYSIS

lipid use FAT

load use CHARGING

location use SITES

lot use LAND or YARD, as applicable

machine use specific type of machine, i.e., CONVEYOR, etc.

magnesium use METAL; NON-FERROUS

magnetic use MAGNET

manganese use METAL

maneuverability use MOVABLE

map use DATA

marine use OCEAN

mask use EQUIPMENT

MBAS use DETERGENT

meadow use MARSH

mean use DATA

mechanical use AUTOMATIC

meeting use CONFERENCE

melting use MELT

membrane use FILTER or LINER, as applicable

method use PROCESS

mica use MINERAL

milk use DAIRY

mill use PLANT-INDUSTRIAL

milling use GRIND

mite use INSECT

mixed use COMBINED

mobile use MOVABLE

moist or moisture use MOISTURE CONTENT

molybdenum use METAL

morass use MARSH

mosquito use INSECT

motion picture use AUDIO-VISUAL

moving use MOVABLE

muck (manure) use MANURE

mulch use SOIL CONDITIONER

municipal use MUNICIPALITY

National Air Pollution Control Administration use NAPCA

nickel use METAL; NON-FERROUS

nitrate use NITROGEN

non-flammable use NON-COMBUSTIBLE

non-putrescible use INORGANIC

norm use DATA

nursing home use HOSPITAL

nylon use SYNTHETIC

Office of Solid Waste Management Programs use OSWMP

ooze use LEACH

operation use MANAGEMENT

optimization use SYSTEMS ANALYSIS

ordinances use REGULATIONS

overhead use ECONOMICS

oxidation pond use LAGOONS

ozone use OXYGEN

pack use COMPACTION

park use RECREATION AREA

parking use STREET CLEANING; PROBLEMS or SNOW; COLLECTION;

PROBLEMS, as applicable

pathological waste use HOSPITAL

paunch use OFFAL

paving use HIGHWAY; CONSTRUCTION

payment use FEE

pellet use SINTER

pen use ENCLOSURE

penalty use FINE

performance use STANDARD

permit use LICENSE

petroleum use OIL

phenolic compounds use PHENOL

photography use AUDIO-VISUAL

pitch use FOSSIL FUEL or TAR, as applicable

plankton use MICROORGANISM

plant (vegetation) use VEGETATION

poison use TOXIC

police use AUTHORITY

polystyrene use PLASTIC

polyurethane foam use RUBBER; POLYMER

potash or potassium use NON-FERROUS

precipitation use CLIMATE

prediction use PROJECTION

pre-fermentation use FERMENTATION

press use COMPACTION

price fixing use ILLEGAL; FEE

production (biological) use GENERATION

public affairs use PUBLIC RELATIONS

public cleansing service use DEPARTMENT OF SANITATION

putrid use PUTRESCIBLE

quantify use QUANTITY

questionnaire use SURVEY

rack use HOLDER

radio use MONITOR

radioactive element use ISOTOPE

rags use TEXTILE

railroad station use TRANSPORTATION TERMINAL

rainfall use CLIMATE

ranch use specific area of ranch, i.e., FEEDLOT; YARD, etc.

rasping use GRIND; EQUIPMENT

rat use RODENT

rate use FEE

receiving station use TRANSFER STATION

receptacle use CONTAINER or DETACHABLE CONTAINER

recover use RECLAMATION

recycle use RECLAMATION

refine use REFINERY
reject use SEPARATING
removal use COLLECTION
rendering use SLAUGHTERHOUSE
rent use LEASE
repair use MAINTENANCE
report use LITERATURE
restrictions use REGULATIONS
rice use GRAIN
river use WATERWAY
road use HIGHWAY
road binder use HIGHWAY; CONSTRUCTION
rocket fuel use FUEL
rototilling use PLOWING
rotted use PUTRESCIBLE
rubbish use REFUSE
rubble use DEBRIS
rules use REGULATIONS
runoff use DRAINAGE
rust use CORROSION

salvage use UTILIZE

scale use WEIGHT; EQUIPMENT

schedule use FREQUENCY

screen use FILTER

sea use OCEAN

seafood use FISH

season use CLIMATE

seaweed use ALGAE

secondary use SCRAP (PAPER, METAL, etc.)

seep use PERCOLATE

seismographic use GEOLOGIC

seminar use CONFERENCE

Senate use FEDERAL; GOVERNMENT

settling use SETTLEMENT

shavings use METAL; SCRAP

silicate use SILICON

silicon carbide use SILICON

silver use METAL; NON-FERROUS

slagceram use SLAG; GLASS

smell use ODOR

soil use EARTH

Solid Wastes Program use OSWMP

soot use SMOKE

sports facility use RECREATION AREA

spreader use SPREADING; EQUIPMENT

stack use CHIMNEY

statistical analysis use ANALYSIS; DATA

statistics (sets of numbers) use DATA

statutes use REGULATIONS

steam use WASTE HEAT; UTILIZE

steel use METAL; IRON

stock use PAPER

stock yards use SLAUGHTERHOUSE

stoke use CHARGING

street use HIGHWAY

strength use RESISTANCE

study use INVESTIGATION

sty use ENCLOSURE

styrene use PLASTIC

subway use TRANSPORTATION TERMINAL

suction use VACUUM

sulfide use SULFUR

sulfite use SULFUR

sulphate use SULFUR

suspension use SUSPENDED

swamp use MARSH

table use DATA

Tennessee Valley Authority use TVA

test wells use GEOLOGIC

tideland use MARSH

tin use METAL

tomato use FRUIT

tornado use DISASTER

trimmings use FOLIAGE

tungsten use IRON

typhoon use DISASTER

ultraviolet use RADIATION

uniform use CLOTHING

urban use MUNICIPALITY

user charge use FEE

utility use PUBLIC UTILITY

utilization use UTILIZE

vanadium use METAL

vehicle use SCOOTER; TRUCK; AUTOMOBILE; TRAIN; TRAILER;
TRACTOR, as applicable

vessel use SHIP

viscera use OFFAL

viscosity use CONCENTRATION

volatile use EXPLOSION

wage use SALARY

waste oil use OIL

weather use CLIMATE

wet use MOISTURE CONTENT

whey use DAIRY; FOOD PROCESSING

wildlife use ANIMAL

wind use CLIMATE

wool use TEXTILE

World Health Organization use WHO

wrapping use BALING or PACKAGING, as applicable

wrecker use AUTOMOBILE; SCRAP; INDUSTRY

zimpro use ZIMMERMAN PROCESS

zinc use NON-FERROUS

zoo use RECREATION AREA; ANIMAL

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