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## **ENVIRONMENTAL CLASSIFICATION**

## **OF GOODS AND SERVICES**

Canada 

**ENVIRONMENTAL CLASSIFICATION**  
**OF GOODS AND SERVICES**

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## PREFACE

The *Environmental Classification of Goods and Services* has been developed by Industry, Science and Technology Canada (ISTC) to provide a framework for the collection and reporting of data on the environmental industry in Canada.

This first edition resulted from the ISTC initiative to develop the environmental industry in Canada and the realization that there was no standard classification of environmental goods and services. The classification provides a structure for the collection of goods and services data at different levels of detail.

The content of this publication consists of an introductory text, a description of the Classification of Environmental Goods and Services (including rules for interpretation and a list of sections and chapters) and the Classification System. The introductory text provides information about the origin of the new Classification and the textual description of the Classification provides information about its salient features. An overview of the Classification is provided by the list of sections and chapters.

Since this is a new classification system, provision has been made for revision once the need has been identified.

## INTRODUCTION

The *Environmental of Goods and Services Classification* is a comprehensive list of environmental goods and services that are or may be produced in Canada. It defines the environmental industry, providing a much needed framework for the ongoing collection and reporting of data at various levels of detail. Produced by Industry, Science and Technology Canada (ISTC), the classification is part of an initiative to encourage further development of the industry.

While the classification is the first complete system to classify environmental goods and services, it is to some extent modeled on two well-established systems that encompass goods and services of many different kinds:

- Statistics Canada's Standard Classification of Goods (SCG), which is based upon an international standard – the Harmonized Commodity Description and Coding System (known as the HS system).
- ISTC's Business Opportunities Sourcing System (BOSS), which lists the products and services of over 25 000 Canadian companies.

Statistics Canada could use this new classification to identify environmental goods and services for which it already collects data and those for which it does not. It will help Statistics Canada collect more comprehensive data on production of environmental goods and services as well as imports and exports.

The new classification also will be incorporated by BOSS to provide users with easy access to sources of environmental goods, services and suppliers.

All of the environmental goods and services listed in this classification have some economic and environmental significance. Although each item listed has a code number, items with the same number of digits in their code numbers do not necessarily have the same economic and environmental significance.

Many services can be classified with certainty as environmental. However, relatively few goods can be classified as such in terms of major use. Examples of goods that are largely or completely for environmental end uses include sewage pumps, waste disposal equipment, flue gas desulphurization systems and septic tanks. Examples of goods with a major end use in some other sector as well as some environmental use include clarifiers, agglomeration equipment and sludge filters and dryers.

The environmental uses of goods in particular are often a small fraction of the total spectrum of uses. Therefore, this classification is not restricted to goods and services that are exclusively environmental.

Although the first draft of the classification was prepared by ISTC, it was modified in response to input from Environment Canada, Statistics Canada, provincial governments, industrial associations, and manufacturers, suppliers and users of environmental goods and services. In addition, various listings of environmental goods and services published in environmental journals, reports and buyers' guides were reviewed.

Environmental goods and services are classified by end use, e.g., those goods that are used for air pollution or water pollution control. See page \_\_\_ for a list of goods and services at the first or broadest level. The second level is by generic type of goods or service, although it does include some specific ones. The third and fourth levels are more detailed and specific.

## GENERAL RULES FOR THE INTERPRETATION AND USE OF THE CLASSIFICATION

Since this is a new classification system, provision has been made for revision once the need has been identified. The purpose of these rules is to provide guidance for adding, deleting and modifying the *Environmental Goods and Services Classification*. The main objective is to provide a common understanding of how the classification was built so that its structure is maintained.

The first level of the classification structure will likely remain unchanged. The second level will be changed only when required by a significant advance in technology. The majority of the classification changes will be made at the third level and lower.

1. As mentioned previously, goods and services included in this classification must have an environmental end use.
2. The only processes included in the classification are those whose primary objective is controlling or preventing pollution. If the primary objective of a process is to produce goods, it will not be included in this classification, regardless of environmentally positive characteristics attributed to it. Examples include so-called pollution-free pulp-making processes to obtain wood pulp, zero-discharge processes for the manufacture of printed circuit boards and pollution-free painting processes for automobile production. (A separate category may be developed at a later date for "pollution-free" processes).
3. The classification includes only goods and services used for industrial or commercial purposes. For example, consumer goods such as non-chemical fertilizer or paper made with recycled fibres are not included.
4. Although goods and services in the classification must be readily identifiable as having an environmental end use, they may have other applications as well.
5. The economic value of the goods or service should be significant within its sector. In this classification, significance is considered to be at the national level.



## **LIST OF SECTIONS OF THE CLASSIFICATION OF ENVIRONMENTAL GOODS AND SERVICES**

### **Environmental Goods Classification:**

- 1.0 Air Pollution Control
- 2.0 Water Pollution Control
- 3.0 Waste Management
- 4.0 Noise Control
- 5.0 Chemicals for Pollution Control
- 6.0 Measuring, Monitoring Instrumentation and Controls
- 7.0 Scientific, Research and Laboratory
- 8.0 Natural Resource Conservation and Protection

### **Environmental Services Classification**

- 1.0 Consulting Services
- 2.0 Pollution Assessment and Control
- 3.0 Construction
- 4.0 Waste Handling and Environmental Facility Operation
- 5.0 Laboratory Services and Related Field Services
- 6.0 Environmental Research (by Performing Establishment)
- 7.0 Natural Resource Conservation and Protection



## **ANNEX A**

# **ENVIRONMENTAL GOODS CLASSIFICATION**

# ENVIRONMENTAL GOODS CLASSIFICATION

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## Classification Groupings:

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1.0	Air Pollution Control .....	2
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8.0	Natural Resource Conservation and Protection .....	31

## 1.0

## AIR POLLUTION CONTROL

- 1.1 Absorption/Adsorption systems - gas
  - 1.1.1 Absorption equipment - gas
  - 1.1.2 Adsorption equipment - gas
- 1.2 Air handling equipment
  - 1.2.1 Blowers (See: fans)
  - 1.2.2 Dampers
  - 1.2.3 Ducts, stacks and accessories - metal
  - 1.2.4 Ducts, stacks and accessories - non-metal
  - 1.2.5 Fans (See: blowers)
  - 1.2.6 Gas cooling systems
  - 1.2.7 Hoods
  - 1.2.10 Other air handling equipment components
- 1.3 Catalytic converters (Automotive)
- 1.4 Chemical recovery systems
  - 1.4.1 Flue gas desulphurization systems
    - 1.4.1.1 Caustic/lime scrubbing systems
    - 1.4.1.2 Sulphuric acid plant systems
    - 1.4.1.3 Other flue gas desulphurization systems
  - 1.4.2 Hydrogen sulphide removal systems
  - 1.4.3 Solvent recovery systems
  - 1.4.10 Other chemical recovery systems
- 1.5 Dust Collectors
  - 1.5.1 Baghouse (See: 1.8, Fabric filters)
  - 1.5.2 Mechanical dust collectors (inertial separators)
    - 1.5.2.1 Centrifugal
    - 1.5.2.2 Cyclone
    - 1.5.2.3 Gravel-bed filters
    - 1.5.2.4 Impingement
    - 1.5.2.5 Mist eliminators
    - 1.5.2.10 Other mechanical dust collectors
  - 1.5.10 Other dust collectors

- 1.6 Computer software programs
- 1.7 Electrostatic precipitators
  - 1.7.1 Electrostatic precipitators - commercial/residential
  - 1.7.2 Electrostatic precipitators - industrial
- 1.8 Fabric Filters (See: 1.5.1, Dust collectors - Baghouse)
  - 1.8.1 Cartridge
  - 1.8.2 Household
  - 1.8.3 Pulse-jet
  - 1.8.4 Reverse flow
  - 1.8.5 Shaker
  - 1.8.10 Other
- 1.9 Air pollution filter accessories/Media
  - 1.9.1 Filter accessories
    - 1.9.1.2 Shakers/rappers
    - 1.9.1.3 Bag cages
    - 1.9.1.4 Conveyors
    - 1.9.1.5 Air dryers
    - 1.9.1.6 Panels
    - 1.9.1.7 Scrapers
  - 1.9.2 Filter media
    - 1.9.2.1 Activated alumina/carbon/silica
    - 1.9.2.2 Anthracite
    - 1.9.2.3 Cartridges
    - 1.9.2.4 Fabric (bags)
    - 1.9.2.5 Fibreglass
    - 1.9.2.6 Gravel
    - 1.9.2.7 Paper
    - 1.9.2.10 Other
- 1.10 Incinerators
  - 1.10.1 Catalytic
  - 1.10.2 Flares
  - 1.10.3 Fume
  - 1.10.4 Gas

- 1.10.5 Other
- 1.10.10 Components
  - 1.10.10.1 Burners
- 1.11 Scrubbers - Dry
  - 1.11.1 Impingement
  - 1.11.2 Other
- 1.12 Scrubbers - wet
  - 1.12.1 Atomizing
  - 1.12.2 Centrifugal
  - 1.12.3 Contact
  - 1.12.4 Deflector
  - 1.12.5 Ejector
  - 1.12.6 Impingement
  - 1.12.7 Movable bed
  - 1.12.8 Packed bed/column
  - 1.12.9 Plate column
  - 1.12.10 Spray chamber
  - 1.12.11 Venturi
  - 1.12.15 Other
- 1.13 Air pollution control systems nes
  - 1.13.1 Air pollution control equipment nes
  - 1.13.2 Air pollution control components nes

## 2.0

## WATER POLLUTION CONTROL

## 2.1 Aeration Systems

- 2.1.1 Diffused
- 2.1.2 Disc
- 2.1.3 Dome
- 2.1.4 Fixed
- 2.1.5 Floating
- 2.1.6 Submerged
- 2.1.7 Surface
- 2.1.10 Other

## 2.2 Biological treatment systems

## 2.3 Centrifuges

2.4 Chemical feeding and mixing equipment  
(See: Batching/Blending)

- 2.4.1 Chlorinators (See: 2.17.3.2, Water purification system and equipment - Disinfection)
- 2.4.2 De-chlorinators
- 2.4.3 Feeders
- 2.4.5 Mixers
- 2.4.10 Other

## 2.5 Chemical Recovery Systems

- 2.5.1 Acid regeneration/recovery systems
- 2.5.2 Chemical recovery systems (e.g. pulp and paper mill chemicals)
- 2.5.3 Metal compound recovery systems (e.g. Chromates)
- 2.5.4 Other

## 2.6 Computer software programs

## 2.7 Filters

- 2.7.1 Anthracite
- 2.7.2 Bag
- 2.7.3 Belt
- 2.7.4 Cartridge
- 2.7.5 Centrifugal
- 2.7.6 Deep-bed

- 2.7.7 Diatomaceous earth
- 2.7.8 Disk
- 2.7.9 Dual media
- 2.7.10 Gravity
- 2.7.11 Hi-rate sand
- 2.7.12 Leaf
- 2.7.13 Membrane
  - 2.7.13.1 Microfiltration
  - 2.7.13.2 Reverse osmosis
  - 2.7.13.3 Ultrafiltration
  - 2.7.13.10 Other
- 2.7.14 Panel
- 2.7.15 Plate
- 2.7.16 Pressure
- 2.7.17 Sand
- 2.7.18 Trickling
- 2.7.19 Vacuum
- 2.7.25 Other
- 2.7.30 Filtration system, package - commercial/residential

## 2.8 Filter Media

- 2.8.1 Activated carbon/silica
- 2.8.2 Anthracite
- 2.8.3 Diatomaceous earth
- 2.8.4 Fibreglass
- 2.8.5 Metallic fibre
- 2.8.6 Natural fibre
- 2.8.7 Paper
- 2.8.8 Plastic
- 2.8.9 Sand/gravel
- 2.8.10 Synthetic fibre
- 2.8.11 Wire cloth
- 2.8.20 Other

## 2.9 Gravity sedimentation systems

- 2.9.1 Clarifiers
- 2.9.2 Flotation equipment
  - 2.9.2.1 Coagulation
  - 2.9.2.2 Dissolved air
  - 2.9.2.3 Electro
  - 2.9.2.4 Flocculation



- 2.9.2.5 Induced air
    - 2.9.2.10 Other
  - 2.9.3 Lagoons and lagoon equipment
  - 2.9.10 Other
- 2.17 Ion exchange systems (See: 2.16, Water handling goods and equipment)
- 2.11 Oil/Water separation equipment
  - 2.11.1 Filters/separators
  - 2.11.2 Oil spill control
    - 2.11.2.1 Boats
    - 2.11.2.2 Booms
    - 2.11.2.3 Dispersants
    - 2.11.2.4 Skimmers
    - 2.11.2.5 Sorbents
    - 2.11.2.6 Tanks
    - 2.11.2.7 Underground recovery
    - 2.11.2.99 Other
- 2.12 Potable/Process water treatment systems (See: 2.17, Water purification systems and equipment)
  - 2.12.1 Potable water treatment systems - commercial/residential
  - 2.12.2 Potable water treatment systems - industrial
  - 2.12.3 Potable water treatment systems - municipal
  - 2.12.5 Potable water treatment systems - other
  - 2.12.6 Process water purification systems - industrial
    - 2.12.6.1 Boiler feed water systems
    - 2.12.6.2 Process water purification systems - industrial - other
  - 2.12.8 Water softeners - commercial/residential
  - 2.12.9 Water softeners - industrial
- 2.13 Screens/Strainers
  - 2.13.1 Bar
  - 2.13.2 Basket
  - 2.13.3 Intake
  - 2.13.4 Rotary
  - 2.13.5 Suction
  - 2.13.6 Travelling
  - 2.13.7 Vibrating

## 2.14 Sewage treatment equipment

2.14.1 Comminutors &amp; sewage grinders

2.14.2 Septic treatment

2.14.2.1 Septic tanks

2.14.2.1.1 Concrete

2.14.2.1.2 Steel

2.14.99 Other

## 2.15 Sewage treatment systems

2.15.1 Sewage lift stations

2.15.1.1 Sewage lift stations - packaged

2.15.2 Sewage treatment systems - municipal

2.15.2.1 Sewage treatment systems - packaged -  
commercial/residential

2.15.2.2 Sewage treatment systems - packaged - other

## 2.16 Water handling goods and equipment

2.16.1 Pipe

2.16.1.1 Pipe - lined

2.16.1.1.1 Fibreglass lined

2.16.1.1.2 Glass lined

2.16.1.1.3 Lead lined

2.16.1.1.4 Plastic lined

2.16.1.1.5 Rubber lined

2.16.1.1.99 Other

2.16.1.2 Pipe - unlined

2.16.1.2.1 Asbestos cement

2.16.1.2.2 Cast iron

2.16.1.2.3 Clay/concrete

2.16.1.2.4 Fibreglass

2.16.1.2.5 Non-ferrous metal

2.16.1.2.6 Plastic

2.16.1.2.7 Plastic - fibre reinforced

2.16.1.2.8 Rubber

2.16.1.2.9 Steel

2.16.1.2.99 Other

## 2.16.2 Pumps

- 2.16.2.1 Centrifugal
- 2.16.2.2 Diaphragm
- 2.16.2.3 Disc
- 2.16.2.4 Gear
- 2.16.2.5 Lobe
- 2.16.2.6 Metering
- 2.16.2.7 Peristaltic
- 2.16.2.8 Plunger
- 2.16.2.9 Positive displacement
- 2.16.2.10 Progressive cavity
- 2.16.2.11 Reciprocating piston
- 2.16.2.12 Screw
- 2.16.2.13 Sewage
- 2.16.2.14 Submersible
- 2.16.2.99 Other

## 2.16.3 Tanks

- 2.16.3.1 Lined
  - 2.16.3.1.1 Ceramic lined
  - 2.16.3.1.2 Glass lined
  - 2.16.3.1.3 Plastic lined
  - 2.16.3.1.4 Rubber lined
  - 2.16.3.1.99 Other
- 2.16.3.2 Unlined
  - 2.16.3.2.1 Concrete
  - 2.16.3.2.2 Metal
  - 2.16.3.2.3 Plastic
  - 2.16.3.2.4 Plastic - fibre reinforced
  - 2.16.3.2.99 Other

## 2.16.4 Valves

## 2.17 Water Purification systems and equipment (See: 2.12, Potable/Process water treatment systems)

- 2.17.1 Ion exchange (demineralizer) systems
- 2.17.2 Desalination systems
- 2.17.3 Disinfection equipment
  - 2.17.3.1 Fluoridators
  - 2.17.3.2 Hypo-chlorinators

- 2.17.3.3 Ozonators
- 2.17.3.4 Ultraviolet
- 2.17.3.99 Other

- 2.17.4 Distillation systems
- 2.17.5 Sterilization systems - commercial/residential

2.18 Water pollution control systems nes

- 2.18.1 Water pollution control equipment nes
- 2.18.2 Water pollution control components nes

**3.0****WASTE MANAGEMENT**

3.1 Computer software programs

3.2 Incineration

3.2.1 Incineration systems

- 3.2.1.1 Hazardous waste
- 3.2.1.2 Liquid waste
- 3.2.1.3 Liquid/solid waste
- 3.2.1.4 Pathological waste
- 3.2.1.5 Radioactive waste
- 3.2.1.6 Sewage sludge
- 3.2.1.7 Solid waste
- 3.2.1.10 Other

3.2.2 Incinerators

- 3.2.2.1 Air curtain destructors
- 3.2.2.2 Catalytic
- 3.2.2.3 Circulating bed
- 3.2.2.4 Controlled air
- 3.2.2.5 Electric/infra-red
- 3.2.2.6 Fixed hearth
- 3.2.2.7 Fluidized bed reactor
- 3.2.2.8 Grate hearth
- 3.2.2.9 Mobile systems
- 3.2.2.10 Rotary kiln
- 3.2.2.11 Transportable systems
- 3.2.2.15 Other

3.3 Recycling systems and equipment

3.3.1 Can recycling systems and equipment

3.3.2 Glass recycling/recovery systems and equipment

3.3.3 Metals recycling/recovery systems and equipment

- 3.3.3.1 Ferrous
- 3.3.3.2 Aluminum
- 3.3.3.3 Other non-ferrous

3.3.4 Oil recycling systems and equipment

3.3.5 Paper recycling systems and equipment

3.3.6 Plastics recycling/recovery systems and equipment

3.3.7 Rubber recycling/recovery systems and equipment

- 3.3.8 Energy-from-waste systems and equipment
- 3.3.99 Other recycling systems and equipment
- 3.4 Waste collection systems and equipment - liquid
  - 3.4.1 Storage containers
    - 3.4.1.1 Drums
    - 3.4.1.2 Tanks
    - 3.4.1.3 Other
  - 3.4.2 Trucks/trailers
- 3.5 Waste collection systems and equipment - solid
  - 3.5.1 Compactors
    - 3.5.1.1 Portable
    - 3.5.1.2 Stationary
    - 3.5.1.3 Mobile
    - 3.5.1.5 Other
  - 3.5.2 Trucks/trailers
    - 3.5.2.1 Compacting
    - 3.5.2.2 Refuse collection
    - 3.5.2.3 Sludge handling
    - 3.5.2.4 Transfer trucks
    - 3.3.2.10 Other
  - 3.5.3 Transfer stations
- 3.6 Waste disposal systems and equipment
  - 3.6.1 Composting systems and equipment
  - 3.6.2 Lagoon systems and equipment
  - 3.6.3 Land application systems and equipment
  - 3.6.4 Landfill systems and equipment
  - 3.6.5 Liners
    - 3.6.5.1 Natural (bentonite/imported clay)
    - 3.6.5.2 Synthetic
    - 3.6.5.5 Other
  - 3.6.6 Sewage sludge disposal systems and equipment
  - 3.6.10 Other waste disposal systems and equipment

### 3.7 Waste handling systems and equipment

- 3.7.1 Conveyors
- 3.7.2 Drying equipment
- 3.7.3 Nuclear waste handling equipment
- 3.7.4 Preparation equipment
  - 3.7.4.1 Agglomerators
  - 3.7.4.2 Autoclaves
  - 3.7.4.3 Balers
  - 3.7.4.4 Compactors
  - 3.7.4.5 Grinders
  - 3.7.4.6 Pelletizers
  - 3.7.4.7 Pulverizers
  - 3.7.4.8 Shredders
  - 3.7.4.9 Sludge de-watering equipment
  - 3.7.4.10 Other

### 3.8 Waste separation systems and equipment

- 3.8.1 Separation systems
  - 3.8.1.1 Solid, ferrous metal
  - 3.8.1.2 Solid, non-ferrous metal
  - 3.8.1.3 Solid, non-metal
- 3.8.2 Separators
  - 3.8.2.1 Air classifiers
  - 3.8.2.2 Centrifugal
  - 3.8.2.3 Impingement
  - 3.8.2.4 Inclined plate
  - 3.8.2.5 Magnetic
  - 3.8.2.6 Vibratory

### 3.9 Waste management systems nes

- 3.9.1 Waste management system equipment nes
- 3.9.2 Waste management system components nes



**4.0**

**NOISE CONTROL**

- 4.1 Acoustical test chambers
- 4.2 Mufflers - automotive
- 4.3 Mufflers/silencers - industrial
- 4.5 Noise deadening materials
  - 4.5.1 Acoustic materials
  - 4.5.2 Acoustic enclosures
  - 4.5.3 Acoustic panels
  - 4.5.5 Other
- 4.6 Vibration control systems and equipment
- 4.10 Other noise control systems and equipment

**5.0 CHEMICALS FOR POLLUTION CONTROL**

- 5.1 Absorbents/adsorbents
- 5.2 Agglomeration/pelletizing
  - 5.2.1 Bentonite
- 5.3 Bacteria/enzymes
- 5.4 Cleaning
  - 5.4.1 Cleaning agents
  - 5.4.2 Detergents
  - 5.4.3 Sodium hexametaphosphate
  - 5.4.4 Sodium phosphate, dibasic
  - 5.4.5 Sodium phosphate, tribasic
  - 5.4.6 Sodium tripolyphosphate
  - 5.4.7 Triammonium phosphates
  - 5.4.10 Other
- 5.5 Corrosion/scale control
- 5.6 Dust control
- 5.7 Water treatment
  - 5.7.1 Acids
    - 5.7.1.1 Hydrochloric acid
    - 5.7.1.2 Phosphoric acid
    - 5.7.1.3 Sulphuric acid
    - 5.7.1.10 Other acids
  - 5.7.2 Algae treatment chemicals
  - 5.7.3 Aluminum ammonium sulphate
  - 5.7.4 Aluminum sodium sulphate
  - 5.7.5 Ammonium fluosilicate
  - 5.7.6 Ammonium sulphate
  - 5.7.7 Biocide, industrial
  - 5.7.8 Calcium chloride, dry
  - 5.7.9 Calcium hydroxide
  - 5.7.10 Calcium hypochlorite
  - 5.7.11 Calcium oxide (lime)
  - 5.7.12 Catalysts

- 5.7.13 Chlorine
- 5.7.14 Copper sulphate
- 5.7.15 Disinfectants
- 5.7.16 Emulsifiers
- 5.7.17 Emulsion breakers
- 5.7.18 Ferrous chloride
- 5.7.19 Ferric chloride
- 5.7.20 Flocculants/coagulants
- 5.7.21 Flotation chemicals
- 5.7.22 Fluorides
  - 5.7.22.1 Calcium fluoride
  - 5.7.22.2 Sodium fluoride
  - 5.7.22.5 Other fluorides
- 5.7.23 Foam/Grease control
  - 5.7.23.1 Antifoaming agents
  - 5.7.23.2 Defoaming agents, prepared
- 5.7.24 Fungicides, industrial
- 5.7.25 Germicides, industrial
- 5.7.26 Hydrogen peroxide
- 5.7.27 Ion exchange resins
- 5.7.28 Iron hydroxides
- 5.7.29 Iron oxides
- 5.7.30 Magnesium silicates
- 5.7.31 Nutrient removal chemicals
- 5.7.32 Odor/taste control chemicals
- 5.7.33 Precipitating agents
- 5.7.34 Potassium permanganate
- 5.7.35 Scale control chemicals
- 5.7.36 Slimicides, industrial
- 5.7.37 Sludge stabilizers
- 5.7.38 Sodium aluminate
- 5.7.39 Sodium carbonate (soda ash)
- 5.7.40 Sodium chloride
- 5.7.41 Sodium chlorite
- 5.7.42 Sodium hydroxide, dry
- 5.7.43 Sodium hydroxide, liquid
- 5.7.44 Sodium hypochlorite
- 5.7.45 Sodium metasilicates
- 5.7.46 Sodium silicate
- 5.7.47 Sodium silicofluoride
- 5.7.48 Solvents
- 5.7.49 Sulphur dioxide

5.7.50 Surfactants

- 5.7.50.1 Surfactants, anionic
- 5.7.50.2 Surfactants, cationic
- 5.7.50.3 Surfactants, compounded industrial
- 5.7.50.4 Surfactants, non-ionic
- 5.7.50.5 Surfactants, olefin sulphonate
- 5.7.50.6 Surfactants, sulphate base
- 5.7.50.7 Surfactants, sulphonate base

5.7.60 Other water treatment chemicals

5.8 Other chemicals

- 5.8.1 Alumina, activated
- 5.8.2 Ammonia, anhydrous, liquid
- 5.8.3 Ammonia, gas
- 5.8.4 Carbon, activated
- 5.8.5 Clay, activated
- 5.8.6 Diatomaceous earth
- 5.8.7 Diatomite, activated
- 5.8.8 Earths, activated
- 5.8.9 Oxygen
- 5.9.10 Ozone
- 5.8.11 Silica gel, colloidal
- 5.8.12 Silica gel, hydrated
- 5.8.13 Zeolite

**6.0 INSTRUMENTS FOR POLLUTION CONTROL****6.1 Measuring and Monitoring Instruments****6.1.1 Air quality and emission parameters**

- 6.1.1.1 Air velocity
- 6.1.1.2 Deposition
  - 6.1.1.2.1 Dry
  - 6.1.1.2.2 Wet

- 6.1.1.3 Flow, air/gas
- 6.1.1.4 Gas analysis
- 6.1.1.5 Humidity
- 6.1.1.6 Opacity
- 6.1.1.7 Particle size
- 6.1.1.8 Precipitation
- 6.1.1.9 Pressure/vacuum
- 6.1.1.10 Temperature
- 6.1.1.20 Other

**6.1.2 Air pollutant detection/measurement**

- 6.1.2.1 Aerosols
- 6.1.2.2 Carbon dioxide
- 6.1.2.3 Carbon monoxide
- 6.1.2.4 Chlorine
- 6.1.2.5 Combustible gas
- 6.1.2.6 Heavy metals
- 6.1.2.7 Hydrocarbons
- 6.1.2.8 Hydrogen sulphide
- 6.1.2.9 Nitrogen oxide
- 6.1.2.10 Oxygen
- 6.1.2.11 Ozone
- 6.1.2.12 Particles
- 6.1.2.13 Radiation
- 6.1.2.14 Sulphate/sulphide
- 6.1.2.15 Total sulphur
- 6.1.2.16 Toxic gas
- 6.1.2.20 Other

**6.1.3 Ground water parameters**

- 6.1.3.1 Conductivity
- 6.1.3.2 Contaminant tracers
- 6.1.3.3 Depth to water sounding
- 6.1.3.4 Dissolved oxygen (downhole)

- 6.1.3.5 Eh/pE (downhole)
- 6.1.3.6 Flow
- 6.1.3.7 Geophysical (downhole)
  - 6.1.3.7.1 Gamma
  - 6.1.3.7.2 Neutron
  - 6.1.3.7.3 Resistivity
  - 6.1.3.7.4 SP
- 6.1.3.8 Hydrocarbons
- 6.1.3.9 Landfill leaks
- 6.1.3.10 Level
- 6.1.3.11 pH (downhole)
- 6.1.3.12 Temperature (downhole)
- 6.1.4 Meteorological instruments
  - 6.1.4.1 Measuring and recording instruments
    - 6.1.4.1.1 Anemometers
    - 6.1.4.1.2 Balloon-related equipment and instruments
    - 6.1.4.1.3 Barographs
    - 6.1.4.1.4 Barometers
    - 6.1.4.1.5 Hydrometers
    - 6.1.4.1.6 Precipitation gauges
    - 6.1.4.1.7 Sunshine recorders
    - 6.1.4.1.8 Temperature measuring and recording instruments
  - 6.1.4.2 Communications equipment and systems
  - 6.1.4.3 Computer hardware
  - 6.1.4.4 Computer software
- 6.1.5 Noise measurement and monitoring instruments
- 6.1.6 Water quality and emission parameters
  - 6.1.6.1 Colour
  - 6.1.6.2 Conductivity
  - 6.1.6.3 Flow
    - 6.1.6.3.1 Closed pipe
    - 6.1.6.3.2 Open channel
  - 6.1.6.4 ORP
  - 6.1.6.5 pH
  - 6.1.6.6 Total oxygen demand
  - 6.1.6.7 Toxicity, bioassay
  - 6.1.6.8 Turbidity
  - 6.1.6.9 Viscosity

- 6.1.6.10 Water hardness
    - 6.1.6.11 Zeta potential
    - 6.1.6.99 Other
  - 6.1.7 Water pollutant detection/measurement
    - 6.1.7.1 BOD
    - 6.1.7.2 COD
    - 6.1.7.3 Dissolved oxygen
    - 6.1.7.4 Dissolved solids
    - 6.1.7.5 Heavy metals
    - 6.1.7.6 Sulphate/sulphide
    - 6.1.7.7 Total carbon
    - 6.1.7.8 Total nitrogen
    - 6.1.7.99 Other
- 6.2 Sampling systems and equipment
  - 6.2.1 Sampling systems
    - 6.2.1.1 Ambient air
    - 6.2.1.2 Ground water
    - 6.2.1.3 Sediments
    - 6.2.1.4 Sludge
    - 6.2.1.5 Soil
    - 6.2.1.6 Stack
    - 6.2.1.7 Tank/drum
    - 6.2.1.8 Waste water
    - 6.2.1.9 Water
    - 6.2.1.10 Other
  - 6.2.2 Sampling equipment and accessories
    - 6.2.2.1 Bailers
    - 6.2.2.2 Drilling equipment
      - 6.2.2.2.1 Drilling rigs
      - 6.2.2.2.2 Downhole samplers (ground water)
    - 6.2.2.3 Flow meters
    - 6.2.2.4 Pore water samplers
    - 6.2.2.5 Pumps
    - 6.2.2.99 Other
- 6.3 Process and control equipment
  - 6.3.1 Combustion controls



6.3.2 Computer controls

6.3.3 Process control

6.3.3.1 Electromechanical

6.3.3.2 Electronic, analog

6.3.3.3 Electronic, digital

6.3.3.4 Programmable controllers

6.3.4 Sensors

6.3.4.1 Flow

6.3.4.2 Level

6.3.4.3 pH

6.3.4.4 Pressure

6.3.4.5 Temperature

6.3.4.10 Other

6.4 Data acquisition equipment

6.4.1 Display systems

6.4.2 Data loggers

6.4.3 Microcomputers

6.4.4 Recorders

6.4.5 Telemetry systems

6.4.10 Other

**7.0 SCIENTIFIC, RESEARCH AND LABORATORY****7.1 Analytical instruments****7.1.1 Chromatographic**

- 7.1.1.1 Gas chromatograph
- 7.1.1.2 High performance/pressure liquid chromatograph
- 7.1.1.3 High resolution gas chromatograph
- 7.1.1.4 Ion chromatograph
- 7.1.1.5 Liquid chromatograph
- 7.1.1.6 Paper chromatography equipment
- 7.1.1.7 Thin layer chromatography equipment

**7.1.2 Electrochemical**

- 7.1.2.1 Amperometer
- 7.1.2.2 Conductometer
- 7.1.2.3 Coulometer/electroanalyzer
- 7.1.2.4 Electrophoresis equipment
- 7.1.2.5 Polarograph/voltammeter
- 7.1.2.6 Potentiometer (pH and ion selective)

**7.1.3 Spectrographic**

- 7.1.3.1 Atomic absorption spectroscope
- 7.1.3.2 Atomic emission spectroscope
- 7.1.3.3  $\beta$  and T spectrometer
- 7.1.3.4 Bioluminescent meter
- 7.1.3.5 Chemiluminescent meter
- 7.1.3.6 Colorimeter/spectrophotometer
- 7.1.3.7 Electron spectrograph
- 7.1.3.8 Emission spectrograph
- 7.1.3.9 Flame photometer
- 7.1.3.9 Fluorometer/spectrofluorometer
- 7.1.3.10 IR spectroscope
- 7.1.3.11 Mass spectrometer
- 7.1.3.12 Nephelometer/turbidimeter
- 7.1.3.13 Phosphorescence meter
- 7.1.3.14 X-ray spectrograph

**7.2 Calibration equipment****7.3 Environmental chambers****7.4 Laboratory data acquisition systems**

- 7.5 Laboratory equipment
  - 7.5.1 Autoclaves
  - 7.5.2 Balances
  - 7.5.3 Baths, heating/cooling
  - 7.5.4 Calorimeters
  - 7.5.5 Centrifuges
  - 7.5.6 Computers/workstations
  - 7.5.7 Densitometers
  - 7.5.8 Digesters
  - 7.5.9 Dishwashers
  - 7.5.10 Distillation equipment
  - 7.5.11 Evaporators
  - 7.5.12 Filtration equipment
  - 7.5.13 Flow meters
  - 7.5.14 Fraction collectors
  - 7.5.15 Furnaces
  - 7.5.16 Gas regulators
  - 7.5.17 Grinders, ball mills
  - 7.5.18 Homogenizers/blenders
  - 7.5.19 Incubators
  - 7.5.20 Injectors
  - 7.5.21 Integrators
  - 7.5.22 Laboratory/scientific glassware
  - 7.5.23 Lyophilizers, freeze dryers
  - 7.5.24 Microscopes
  - 7.5.25 Mixers
  - 7.5.26 Multimeters, volt/ohm/amp
  - 7.5.27 Ovens
  - 7.5.28 Pulverizers
  - 7.5.29 Pumps
  - 7.5.30 Recorders/printers
  - 7.5.31 Refractometers
  - 7.5.32 Refrigerators/freezers
  - 7.5.33 Samplers
  - 7.5.34 Syringes
  - 7.5.35 Timers
  - 7.5.36 UV irradiators
  - 7.5.37 Water purification equipment, reagent grade water supply
  - 7.5.99 Other

- 7.6 Laboratory reagents and supplies
  - 7.6.1 Bacteriological supplies
  - 7.6.2 Laboratory chemicals
  - 7.6.3 Laboratory reagents
  - 7.6.4 Other laboratory supplies

**8.0 NATURAL RESOURCE CONSERVATION AND PROTECTION**

**8.1 Reforestation**

**8.1.1 Tree nursery equipment**

**8.1.2 Tree planting equipment**

**8.2 Remote sensing and image analysis**

**8.2.1 Remote sensing and image analysis equipment**

**8.3 Computer software for natural resource conservation and protection**

**ANNEX B**

**ENVIRONMENTAL SERVICES CLASSIFICATION**

# ENVIRONMENTAL SERVICES CLASSIFICATION

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## Classification Groupings

Page No.

1.0	Consulting services (by activity) .....	2
2.0	Pollution assessment and control .....	4
3.0	Construction .....	5
4.0	Waste handling and environmental facility operation .....	6
5.0	Laboratory services and related field services .....	7
6.0	Environmental research (by performing establishment) .....	8
7.0	Natural resource conservation and protection .....	9



1.0

**CONSULTING SERVICES**  
(by activity)

- 1.1 Consulting engineering services
  - 1.1.1 Pre-feasibility/feasibility studies
  - 1.1.2 Site assessment
  - 1.1.3 Design and specifications
  - 1.1.4 Earthquake engineering
  - 1.1.5 Process evaluation and selection
  - 1.1.6 Project management
  - 1.1.7 Construction management
  - 1.1.8 Plant retrofit studies
  - 1.1.9 Site reclamation and remedial action
  - 1.1.10 Microclimate assessment
  - 1.1.11 Permafrost engineering
  - 1.1.12 Research and development
- 1.2 Consulting services - environmental
  - 1.2.1 Alternate energy sources
  - 1.2.2 Clean-up criteria development
  - 1.2.3 Contingency planning for spills
  - 1.2.4 Emergency response planning
  - 1.2.5 Energy conservation
  - 1.2.6 Environmental audits
  - 1.2.7 Environmental baseline studies
  - 1.2.8 Environmental control strategies
  - 1.2.9 Environmental impact assessments
  - 1.2.10 Environmental impact studies
  - 1.2.11 Environmental law
  - 1.2.12 Environmental modelling
  - 1.2.13 Environmental monitoring
  - 1.2.14 Environmental permitting
  - 1.2.15 Environmental regulations and standards
  - 1.2.16 Environmental standards
  - 1.2.17 Expert testimony
  - 1.2.18 Geophysical
  - 1.2.19 Pollutant transport/transformation studies
  - 1.2.20 Risk management
  - 1.2.21 Spills assessment and clean-up
  - 1.2.22 Toxicology
  - 1.2.23 Underground storage tank management

1.3 Consulting Services - Waste Management

- 1.3.1 Aquifer remediation
- 1.3.2 Asbestos abatement
- 1.3.3 Energy from waste
- 1.3.4 Hazardous or Toxic (e.g. PCBs or lead)
- 1.3.5 Industrial (non-hazardous)
- 1.3.6 Mine tailings disposal
- 1.3.7 Municipal solid waste
- 1.3.8 Ocean dumping and dredging
- 1.3.9 Radioactive
- 1.3.10 Recycling
- 1.3.11 Sewage

1.4 Consulting Services - other

- 1.4.1 Computer software (including expert systems)
- 1.4.2 Computer systems
- 1.4.3 Data base management systems
- 1.4.4 Economic analysis
- 1.4.5 Environmental data acquisition systems
- 1.4.6 Financial analyses
- 1.4.7 Government policy
- 1.4.8 Indoor air quality
- 1.4.9 Market analyses
- 1.4.10 Socio-economic studies
- 1.4.11 Technology transfer
- 1.4.12 Training

**2.0 POLLUTION ASSESSMENT AND CONTROL**

- 2.1 Air quality assessment
  - 2.1.1 Ambient
  - 2.1.2 Indoor
- 2.2 Atmospheric modelling
- 2.3 Pollution control
  - 2.3.1 Air pollution
  - 2.3.2 Noise pollution
  - 2.3.3 Soil/land pollution
  - 2.3.4 Waste management
  - 2.3.5 Water pollution
    - 2.3.5.1 Ground water
    - 2.3.5.2 Surface water
- 2.4 Source characterization
- 2.5 Waste surveys and characterization
- 2.6 Water quality assessment
  - 2.6.1 Surface water
  - 2.6.2 Ground water

**3.0**

**CONSTRUCTION SERVICES**

**4.0 WASTE HANDLING AND ENVIRONMENTAL FACILITY OPERATION**

- 4.1 Emergency response and spill clean-up
- 4.2 Integrated special waste management/treatment facilities
- 4.3 Potable water
- 4.4 Recycling
  - 4.4.1 Recycling plants
  - 4.4.2 Transfer stations
  - 4.4.3 Waste brokers
  - 4.4.4 Waste separation plants
- 4.5 Waste Management
  - 4.5.1 Chemical/physical waste treatment plants
  - 4.5.2 Cogeneration/trigeneration plants
  - 4.5.3 Composting
  - 4.5.4 Energy-from-waste plants
  - 4.5.5 Sanitary landfills
  - 4.5.6 Septic tank pumping and disposal services
  - 4.5.7 Sewage treatment plants
  - 4.5.8 Waste collection
  - 4.5.9 Waste incinerators
  - 4.5.10 Waste handling (including compacting) and transport
  - 4.5.11 Waste sorting and segregation

**5.0                    LABORATORY AND RELATED FIELD SERVICES**

- 5.1    Laboratory services
  - 5.1.1    Analytical services
  - 5.1.2    Analytical method development
  - 5.1.3    Environmental research
  - 5.1.4    Quality assurance/quality control
- 5.2    Sampling, monitoring and measurement services (field)
  - 5.2.1    Ambient air
  - 5.2.2    Ground water
  - 5.2.3    Indoor air
  - 5.2.4    Noise and vibration
  - 5.2.5    Radioactivity
  - 5.2.6    Soil
    - 5.2.6.1    Surface
    - 5.2.6.2    Subsurface
  - 5.2.7    Surface water
  - 5.2.8    Stack emissions
  - 5.2.9    Water effluent

**6.0**

**ENVIRONMENTAL RESEARCH**  
**(by Performing Establishment)**

- 6.1 Federal government
  - 6.1.1 Agriculture Canada
  - 6.1.2 Energy, Mines and Resources Canada
  - 6.1.3 Environment Canada
  - 6.1.4 Fisheries and Oceans
  - 6.1.5 Forestry Canada
  - 6.1.6 Health and Welfare Canada
  - 6.1.7 National Defence
  - 6.1.8 National Research Council
  - 6.1.9 Transport Canada
- 6.2 Private Sector
- 6.3 Provincial Government departments
  - 6.3.1 Provincial government supported (e.g. ORTECH, Nova Scotia Research Foundation)
- 6.4 University

**7.0 NATURAL RESOURCE CONSERVATION AND PROTECTION**

- 7.1 Agriculture
  - 7.1.1 Agricultural soil and water conservation
  - 7.1.2 Organic agriculture
- 7.2 Fisheries
  - 7.2.1 Aquaculture
  - 7.2.2 Fisheries management
- 7.3 Forestry
  - 7.3.1 Forestry conservation and protection
  - 7.3.2 Reforestation
- 7.4 Land
  - 7.4.1 Flood plain control
  - 7.4.2 Geographic information systems
  - 7.4.3 Mapping and resources, land types or land use
  - 7.4.4 Rural land management
    - 7.4.4.1 Woodlot management
- 7.5 Marine
  - 7.5.1 Coastal areas and shoreline management
  - 7.5.2 Oceanography/hydrography
- 7.6 Water Resources
  - 7.6.1 Aquifer protection and restoration
  - 7.6.2 Hydrogeology/ground water management
  - 7.6.3 Hydrology/limnology
  - 7.6.4 Water resources planning and management
  - 7.6.5 Water supply and treatment (See: 4.0, Waste handling and environmental facility operation, and 6.0, Environmental research)
- 7.7 Other natural resource conservation and protection
  - 7.7.1 Ecosystem studies and biological assays
  - 7.7.2 Natural area parks, recreation and tourism
  - 7.7.3 Meteorology/climatology
  - 7.7.4 Pest control
  - 7.7.5 Remote sensing and image analysis
  - 7.7.6 Resource management
    - 7.7.6.1 Arctic resources management
    - 7.7.6.2 Integrated resource management
  - 7.7.7 Wildlife and natural habitat enhancement



**ANNEX C**

**ENVIRONMENTAL GOODS AND SERVICES  
CLASSIFICATION**

**ALPHA-INDEX**

**PRODUCTS**

# ENVIRONMENTAL GOODS CLASSIFICATION

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## ALPHABETICAL INDEX

<u>Goods Description</u>	<u>Code</u>
$\beta$ and T spectrometer - scientific, research and laboratory	7.1.3.3
Absorbents/adsorbents	5.1
Absorption/adsorption systems (gas)	1.1
Absorption equipment (gas)	1.1.1
Acid regeneration/recovery systems	2.5.1
Acids	5.7.1
Acids, other	5.7.1.10
Acoustic enclosures	4.5.2
Acoustic materials	4.5.1
Acoustic panels	4.5.3
Acoustical test chambers	4.1
Activated alumina (air pollution filters)	1.9.2.1
Activated carbon filter media, water	2.8.1
Activated carbon (air pollution filters)	1.9.2.1
Activated silica (air pollution filters)	1.9.2.1
Activated silica filter media, water	2.8.1
Adsorption equipment (gas)	1.1.2
Aeration Systems	2.1
Aeration systems, other	2.1.10
Aerosols - detection/measurement instruments (air)	6.1.2.1
Agglomeration/pelletizing chemicals	5.2
Agglomerators - waste handling	3.7.4.1
Air classifiers	3.8.2.1
Air curtain destructors	3.2.2.1
Air dryers (air pollution filters)	1.9.1.5
Air handling equipment	1.2
Air handling equipment components, other	1.2.10
Air pollutant detection/measurement instruments	6.1.2
Air pollution control components nes	1.13.2
Air pollution control equipment nes	1.13.1
Air pollution control systems nes	1.13
Air pollution filter accessories / media	1.9
Air quality and emission Parameters - measuring and monitoring instruments	6.1.1
Air velocity - measuring and monitoring instruments (air)	6.1.1.1
Algae treatment chemicals	5.7.2
Alumina, activated	5.8.1
Aluminum ammonium sulphate	5.7.3
Aluminum recycling/recovery systems and equipment	3.3.3.2

Goods DescriptionCode

Aluminum sodium sulphate	5.7.4
Ambient air - sampling systems	6.2.1.1
Ammonia, anhydrous, liquid	5.8.2
Ammonia, gas	5.8.3
Ammonium fluosilicate	5.7.5
Ammonium sulphate	5.7.6
Amperometer - scientific, research and laboratory	7.1.2.1
Analytical instruments - scientific, research and laboratory	7.1
Anemometers (meteorological instruments)	6.14.1.1
Anthracite (air pollution filters)	1.9.2.2
Anthracite filter media, water	2.8.2
Anthracite water filter	2.7.1
Antifoaming agents	5.7.23.1
Asbestos cement pipe	2.15.12.1
Atomic absorption spectroscope - scientific, research and laboratory	7.1.3.1
Atomic emission spectroscope - scientific, research and laboratory	7.1.3.2
Atomizing scrubbers - wet	1.12.1
Autoclaves (laboratory)	7.5.1
Autoclaves (waste handling)	3.7.4.2
Bacteria/Enzymes	5.3
Bacteriological supplies (laboratory)	7.6.1
Bag cages (air pollution filters)	1.9.1.3
Bag water filter	2.7.2
Baghouse (see: 1.8 Fabric filters)	1.5.1
Bailers (sampling)	6.2.2.1
Balances (laboratory)	7.5.2
Balers - waste handling	3.7.4.3
Balloon-related equipment and instruments	6.14.1.2
Bar screens	2.13.1
Barographs (meteorological instruments)	6.14.1.3
Barometers (meteorological instruments)	6.14.1.4
Basket strainers	2.13.2
Baths (heating/cooling) (laboratory)	7.5.3
Belt water filter	2.7.3
Bentonite	5.2.1
Biocide, industrial	5.7.7
Biological treatment systems	2.2
Bioluminescent meter - scientific, research and laboratory	7.1.3.4
Blowers (See: fans)	1.2.1
Boats, oil spill control	2.11.2.1
BOD - measurement and monitoring instruments (water)	6.1.6.1

<u>Goods Description</u>	<u>Code</u>
Boiler feed water systems	2.12.6.1
Booms, oil spill control	2.11.2.2
Calcium chloride (dry)	5.7.8
Calcium fluoride	5.7.22.1
Calcium hydroxide	5.7.9
Calcium hypochlorite	5.7.10
Calcium oxide (lime)	5.7.11
Calibration equipment (scientific, research and laboratory)	7.2
Calorimeters (laboratory)	7.5.4
Can recycling systems and equipment	3.3.1
Carbon, activated	5.8.4
Carbon dioxide - detection/measurement instruments (air)	6.1.2.2
Carbon monoxide - detection/measurement instruments (air)	6.1.2.3
Cartridge fabric filter	1.8.1
Cartridge water filter	2.7.4
Cartridges (air pollution filters)	1.9.2.3
Cast iron pipe	2.15.12.2
Catalysts	5.7.12
Catalytic converters (automotive)	1.3
Catalytic incinerators (air)	1.10.1
Catalytic incinerators (waste)	3.2.2.2
Caustic/lime scrubbing systems	1.4.1.1
Centrifugal dust collectors	1.5.2.1
Centrifugal pumps	2.15.2.1
Centrifugal scrubbers - wet	1.12.2
Centrifugal waste separators	3.8.2.2
Centrifugal water filter	2.7.5
Centrifuges (laboratory)	7.5.5
Centrifuges (waste water)	2.3
Ceramic lined tanks	2.15.3.1.1
Chemical feeding and mixing equipment (See: Batching/blending)	2.4
Chemical feeding and mixing equipment, other	2.4.10
Chemical Recovery Systems, air pollution	1.4
Chemical recovery systems, air pollution, other	1.4.10
Chemical recovery systems (e.g. pulp and paper mill chemicals)	2.5.2
Chemical recovery systems, water pollution	2.5
Chemical recovery systems, water pollution, other	2.5.4
Chemicals, other	5.8
Chemiluminescent meter - scientific, research and laboratory	7.1.3.5
Chlorinators (See: 2.16 Water purification - disinfection)	2.4.1

<u>Goods Description</u>	<u>Code</u>
Chlorine	5.7.13
Chlorine - detection/measurement instruments (air)	6.1.2.4
Chromatographic analytical instruments - scientific, research and laboratory	7.1.1
Circulating bed incinerators	3.2.2.3
Clarifiers	2.9.1
Clay, activated	5.8.5
Clay/concrete pipe	215.123
Cleaning agents	5.4.1
Cleaning Chemicals	5.4
Cleaning chemicals, other	5.4.10
Coagulation equipment	2.9.2.1
COD - measurement and monitoring instruments (water)	6.1.6.2
Colour - measurement and monitoring instruments (water)	6.1.5.1
Colorimeter/spectrophotometer - scientific, research and laboratory	7.1.3.6
Combustible gas - detection/measurement instruments (air)	6.1.2.5
Combustion controls	6.3.1
Comminutors and sewage grinders	2.14.1
Communications equipment and systems (meteorological)	6.1.4.2
Compacting trucks/trailers	3.5.2.1
Compactors	3.5.1
Compactors, other	3.5.1.5
Compactors - waste handling	3.7.4.4
Composting systems and equipment	3.6.1
Computer controls - process	6.3.2
Computer hardware (meteorological)	6.1.4.3
Computer software for natural resource conservation and protection	8.3
Computer software (meteorological)	6.1.4.4
Computer software programs - air pollution control	1.6
Computer software programs, water pollution control	2.6
Computer software programs - waste management	3.1
Computers/workstations (laboratory)	7.5.6
Concrete tanks	215321
Conductivity - measuring and monitoring instruments (ground water)	6.1.3.1
Conductivity - measurement and monitoring instruments (water)	6.1.5.2
Conductometer - scientific, research and laboratory	7.1.2.2
Contact scrubbers (wet)	1.12.3
Contaminant tracers (ground water)	6.1.3.2
Controlled air incinerators	3.2.2.4
Conveyors (air pollution filters)	1.9.1.4
Conveyors - waste handling	3.7.1
Copper sulphate	5.7.14

<u>Goods Description</u>	<u>Code</u>
Corrosion/Scale Control chemicals	5.5
Coulometer/electroanalyzer - scientific, research and laboratory	7.1.2.3
Cyclone dust collectors	1.5.2.2
Dampers	1.2.2
Data acquisition equipment	6.4
Data acquisition equipment, other	6.4.10
Data loggers - data acquisition	6.4.2
De-chlorinators	2.4.2
Deep-bed water filter	2.7.6
Deflector scrubbers (wet)	1.12.4
Defoaming agents, prepared	5.7.23.2
Densitometers (laboratory)	7.5.7
Deposition - measuring and monitoring instruments (air)	6.1.1.2
Depth to water sounding - measuring and monitoring instruments (ground water)	6.1.3.3
Desalination systems	2.16.2
Detection/measurement instruments (air), other	6.1.2.20
Detergents	5.4.2
Diaphragm pumps	2.15.2.2
Diatomaceous earth	5.8.6
Diatomaceous earth filter media, water	2.8.3
Diatomaceous earth water filter	2.7.7
Diatomite, activated	5.8.7
Diffused aeration systems	2.1.1
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<u>Goods Description</u>	<u>Code</u>
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Sampling systems, other	6.2.1.10
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<u>Goods Description</u>	<u>Code</u>
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Surfactants, cationic	5.7.50.2
Surfactants, compounded industrial	5.7.50.3
Surfactants, non-ionic	5.7.50.4
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Waste handling systems and equipment	3.7
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Waste management system equipment nes	3.9.1
Waste management systems nes	3.9
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<u>Goods Description</u>	<u>Code</u>
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**ANNEX C**

**ENVIRONMENTAL GOODS AND SERVICES  
CLASSIFICATION**

**ALPHA-INDEX**

**SERVICES**

# ENVIRONMENTAL SERVICES CLASSIFICATION

08/09/90

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Consulting engineering services	1.1
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<u>Service Description</u>	<u>Code</u>
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Environmental control strategies (consulting services)	1.2.8
Environmental data acquisition systems (consulting services - other)	1.4.5
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Environmental permitting (consulting services)	1.2.14
Environmental regulations and standards (consulting services)	1.2.15
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Environmental standards (consulting services)	1.2.16
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Forestry Canada Environmental Research Establishment	6.1.5
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<u>Service Description</u>	<u>Code</u>
Laboratory services	5.1
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Market analyses (consulting services - other)	1.4.9
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National Research Council Environmental Research Establishment	6.1.8
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Research and development (consulting engineering)	1.1.12
Resource management	7.7.6
Risk management (consulting services)	1.2.20



<u>Service Description</u>	<u>Code</u>
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Sampling, monitoring and measurement services (field)	5.2
Sanitary landfill facilities operation	4.5.5
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Water quality assessment	2.6
Water resources conservation and protection	7.6
Water resources planning and management	7.6.4
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Service Description

Code

Wildlife and natural habitat enhancement  
Woodlot management

7.7.7  
7.4.4.1

HD9718/.C22/E5  
Canada. Industry, Science  
Environmental  
classification of goods  
BRZE c. 1 aa ISTC

DATE DUE - DATE DE RETOUR

MAY 9 1992	
JUL 04 1994	
MAY - 5 1997	
MAR 25 2003	
DEC - 7 2006	
SEP 13 2007	

ISTC 1551 (2/90)

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