

# WORLD TRADE ORGANIZATION

TN/TE/W/50  
2 June 2005

(05-2253)

---

Committee on Trade and Environment  
Special Session

Original: English

## CANADA'S INITIAL LIST OF ENVIRONMENTAL GOODS

### Submission by Canada

#### Paragraph 31(iii)

The following communication, dated 31 May 2005, is being circulated at the request of the Delegation of Canada.

- 
1. This submission contains Canada's Initial List of Environmental Goods for consideration in the negotiations pursuant to paragraph 31(iii) of the Doha Ministerial Declaration. Paragraph 31(iii) calls for the reduction or, as appropriate, elimination of tariff and non-tariff barriers to environmental goods and services. This list is without prejudice to Canada's position as these negotiations proceed.
  2. Products nominated on our list are identified by their six-digit Harmonised System (HS) customs classifications and their product names. Those products that require greater specificity than six-digit codes are identified by a descriptor in the "Additional Product Specification" column.
  3. Canada views these negotiations as an important contribution to sustainable development. We are particularly interested in ensuring that developing country Members have the opportunity to effectively participate in these negotiations, and seek to have their interests reflected in a multilaterally agreed list of environmental goods. To this end, Canada has provided financial contributions to UNCTAD to assist developing country Members in preparing their own lists of environmental goods. Canada has also been mindful of the need to include environmental goods of export interest to developing countries in our own submission to the CTESS, and we are considering a range of goods for further analysis in Canada. We welcome further discussion in the CTESS on how best to address the needs of developing countries in this exercise.
  4. It is Canada's wish that, at the next WTO Ministerial in Hong Kong, Ministers have before them an initial list of environmental goods reflecting the trade and environmental interests of both developed and developing countries.

HS CODE	PRODUCT DESCRIPTION	ADDITIONAL PRODUCT SPECIFICATION
<b>AIR POLLUTION CONTROL</b>		
252100	Limestone flux; limestone & other calcareous stone, for lime or cement	
252220	Slaked lime	
281610	Hydroxide and peroxide of magnesium	
840410	Auxiliary plant for use with boilers of heading 84.02 or 84.03 (for example, economizers, super-heaters, soot removers, gas recoverers); condensers for steam or other vapour power units	
840420	Condensers for steam or other vapour power units	
840510	Producer gas or water gas generators, with or without their purifier; acetylene gas generators and similar water process gas generator, with or without their purifiers	Include only those with purifiers
841410	Vacuum pumps	
841459	Fans (and blowers) other than table, floor, window, ceiling or roof fans with a self contained electric motor of an output not exceeding 125W	
841480	Air or vacuum pumps, air or other gas compressors and fans; ventilating or recycling hoods incorporating a fan, whether or not fitted with filters; other	
841490	Parts of vacuum pumps, compressors, fans, blowers, hoods	
841780	Other industrial or laboratory furnaces and ovens, including incinerators, non-electric	Waste incinerators
841960	Machinery for liquefying air or other gases	
841989	Machinery, plant and equipment whether or not electrically heated, for the treatment of materials by a process involving a change of temperature such as heating, vapourizing, condensing or cooling (excl. machinery or plant used for domestic purposes and machinery and appliances specified elsewhere)	
851410	Industrial or laboratory furnaces and ovens; electric, resistance heated	Waste incinerators or other waste treatment apparatus
851420	Industrial or laboratory furnaces and ovens; electric, induction or dielectric	Waste incinerators or other waste treatment apparatus
851430	Industrial or laboratory furnaces and ovens, electric, other	Waste incinerators or other waste treatment apparatus
851490	Parts of industrial or laboratory electric furnaces and ovens or other laboratory induction or dielectric heating equipment	Parts of waste incinerators
841790	Parts of industrial or laboratory furnaces and ovens, including incinerators, non-electric	Parts of waste incinerators

HS CODE	PRODUCT DESCRIPTION	ADDITIONAL PRODUCT SPECIFICATION
<b>WASTE WATER MANAGEMENT</b>		
281511	Sodium hydroxide (caustic soda) solid	
281512	Sodium hydroxide (caustic soda) in aqueous solution	
281830	Aluminium hydroxide	
282010	Manganese dioxide	
282090	Manganese oxides (other)	
283210	Sodium sulphites	
283220	Sulphites of metals not elsewhere specified	
283510	Phosphinates (hypophosphites) & phosphonates (phosphites) of metals	
283523	Trisodium phosphate	
283524	Potassium phosphates	
283525	Calcium hydrogen orthophosphate (dicalcium phosphate)	
283526	Calcium phosphates not elsewhere specified	
283529	Phosphates of metals not elsewhere specified	
380210	Activated carbon	
730900	Reservoirs,tanks,vats&sim ctnr, cap >300L,i o s (ex liq/compr gas type)	
731010	Tanks, casks, drums, cans, boxes and similar containers, of iron or steel, for any material, of a capacity of >= 50 l but =< 300 l, not elsewhere specified (excl. containers for compressed or liquefied gas , or containers fitted with mechanical or thermal equipment, products)	
731021	Cans of iron or steel, of a capacity of < 50 l, which are to be closed by soldering or crimping (excl. containers for compressed or liquefied gas)	
731029	Tanks, casks, drums, cans, boxes and similar containers, of iron or steel, for any material, of a capacity of < 50 l, not elsewhere specified (excl. containers for compressed or liquefied gas, or containers fitted with mechanical or thermal equipment, and cans)	
841320	Hand pumps not elsewhere specified, o/t those of subheading No 8413.11 or 8413.19	
841350	Reciprocating positive displacement pumps not elsewhere specified	
841360	Pumps for liquids, whether or not fitted with a measuring device; other rotary positive displacement pumps	Hydraulic fluid power pumps, vane type Roller Pumps
841370	Pumps for liquids, whether or not fitted with a measuring device; other centrifugal pumps	Centrifugal pumps lined to prevent corrosion; centrifugal sewage pumps
842199	Parts of filtering or purifying machinery and apparatus for liquids or gases	

HS CODE	PRODUCT DESCRIPTION	ADDITIONAL PRODUCT SPECIFICATION
<b>WASTE WATER MANAGEMENT (Cont.)</b>		
848110	Valves, pressure reducing	Filter-regulators and filter regulator-lubricators / Other, pneumatically controlled / Hydraulically controlled
848130	Valves, check	Of iron / Of steel
848140	Valves, safety or relief	
848180	Other appliances for pipes, boiler shells, tanks, vats or the like	Hand operated or hand activated of iron - Gate type and globe type
848190	Parts of valves and similar articles for pipes, boiler shells, tanks, vats or the like, not elsewhere specified	
<b>SOLID/HAZARDOUS WASTE MANAGEMENT</b>		
720110	Pig iron, non-alloy, containing by weight $\leq 0.5\%$ phosphorus in primary form	
732510	Cast articles of non-malleable cast iron not elsewhere specified	
854330	Machines elsewhere specified & apparatus for electroplating, electrolysis or electrophoresis	Chloralkali electrolyser cells
391510	Polyethylene waste & scrap	
391520	Polystyrene waste & scrap	
391530	Polyvinyl chloride waste & scrap	
391590	Other plastics waste & scrap	
470710	Recovered (waste and scrap) paper or paperboard	
681099	Articles of cement, of concrete or of artificial stone not elsewhere specified	
720421	Stainless steel waste & scrap	
720429	Waste and scrap, of alloy steel, other than stainless	
720430	Waste and scrap, of tinned iron or steel	
720441	Ferrous waste & scrap, iron or steel, from the mechanical working of metal, not elsewhere specified	
720450	Remelting scrap ingots, of iron or steel	
740400	Copper waste & scrap	
760200	Aluminium waste & scrap	
841790	Parts of furnaces, non-electric	Parts of waste incinerators
842220	Machinery for cleaning or drying bottles or other containers	
842381	Other weighing machinery having a maximum weighing capacity not exceeding 30 kg	
842382	Other weighing machinery having a maximum weighing capacity exceeding 30kg but not exceeding 5,000 kg	
842389	Other weighing machinery not elsewhere specified	
847989	Machines elsewhere specified & mechanical appliances not elsewhere specified having individual functions	In-vessel composting systems / Radioactive waste press / Trash compactors / Other

HS CODE	PRODUCT DESCRIPTION	ADDITIONAL PRODUCT SPECIFICATION
<b>SOLID/HAZARDOUS WASTE MANAGEMENT (Cont.)</b>		
847990	Parts of machines elsewhere specified and mechanical appliances having individual functions, not elsewhere specified or included in this chapter	Parts of trash compactors
850590	Electromagnets; other, including parts	Electromagnet
901320	Lasers, other than laser diodes	
<b>REMEDIATION/CLEAN-UP OF SOIL AND WATER</b>		
890710	Inflatable rafts	Inflatable oil spill recovery barges
890790	Other floating structures	Pollution protection booms, oil absorbent booms
<b>ENVIRONMENTAL MONITORING, ANALYSIS AND ASSESSMENT EQUIPMENT</b>		
350790	Enzymes not elsewhere specified; prepared enzymes not elsewhere specified	
381500	Reaction initiators, reaction accelerators and catalytic preparations, not elsewhere specified or included. (3815)	
382200	Composite diagnostic or laboratory reagents, not elsewhere specified	
690310	Other refractory ceramic goods (e.g. retorts, crucibles, muffles, nozzles, plugs, supports, cupels, tubes, pipes, sheaths, rods) - containing more than 50 % graphite, other forms of carbon or a mixture of these products	Laboratory refractory equipment
690320	Other refractory ceramic goods (e.g.. retorts, crucibles, muffles, nozzles, plugs, supports, cupels, tubes, pipes, sheaths, rods) - containing by weight more than 50 % of alumina or of a mixture or compound of alumina and of silica	Laboratory refractory equipment
690390	Other refractory ceramic goods (e.g.. retorts, crucibles, muffles, nozzles, plugs, supports, cupels, tubes, pipes, sheaths, rods) - other	Laboratory refractory equipment
690919	Other ceramic wares for chemical or other technical uses	Laboratory refractory equipment
700800	Multiple-walled insulating units of glass	
701710	Laboratory, hygienic or pharmaceutical glassware, whether or not graduated or calibrated; of fused quartz or other fused silica	
701720	Laboratory, hygienic or pharmaceutical glassware, whether or not graduated or calibrated; of other glass having a linear coefficient of expansion not exceeding $5 \times 10^{-6}$ per Kelvin within a temperature range of 0 C - 300 C	

HS CODE	PRODUCT DESCRIPTION	ADDITIONAL PRODUCT SPECIFICATION
<b>ENVIRONMENTAL MONITORING, ANALYSIS AND ASSESSMENT EQUIPMENT (Cont.)</b>		
701790	Laboratory, hygienic or pharmaceutical glassware, whether or not graduated or calibrated; other	
841990	Parts of machinery, plant and equipment of heading No 84.19	Medical, surgical or laboratory stabilizers
842119	Centrifuges, including centrifugal dryers other than cream separators and clothes-dryers	
842121	Filtering or purifying machinery and apparatus for liquids: for filtering or purifying water	
842129	Filtering or purifying machinery and apparatus for liquids; other	Hydraulic fluid power filters rated at 1,000 kPa or greater
842139	Filtering or purifying machinery and apparatus for gases; other	Catalytic converters / Gas separation equipment / Pneumatic fluid power filters rated at 550 kPa or greater / Industrial gas cleaning equipment / Electrostatic filters (precipitators)
842191	Parts of centrifuges, including centrifugal dryers	Centrifuges, accessories & parts; except clothes dryers and clothes dryer furniture
901540	Photogrammetrical surveying instruments and appliances	
901580	Other instruments and appliances used in geodesy, topography, hydrography, oceanography, hydrology, meteorology or geophysics (excl. compasses, rangefinders, theodolites, tacheometers )	
901590	Parts and accessories for instruments and appliances used in geodesy, topography, photogrammetrical surveying, hydrography, oceanography, hydrology, meteorology or geophysics, and for rangefinders not elsewhere specified	Photogrammetric instruments; parts and accessories for articles of subheading 901540
902229	Apparatus based on the use of alpha, beta, or gamma radiations, for other uses	
902290	Apparatus based on the use of X-rays or of alpha, beta, or gamma radiations for other than medical, surgical, dental or veterinary uses	Parts and accessories for goods of subheading 902229
902511	Thermometers and pyrometers, not combined with other instruments: liquid-filled, for direct reading	Clinical thermometers
902519	Thermometers and pyrometers, not combined with other instruments: other than liquid-filled, for direct reading	Clinical thermometers / Pyrometers
902580	Hydrometers and similar floating instruments, thermometers pyrometers, barometers, hygrometers, and psychrometers, recording or not, and any combination of these instruments	Barometers, not combined with other instruments

HS CODE	PRODUCT DESCRIPTION	ADDITIONAL PRODUCT SPECIFICATION
<b>ENVIRONMENTAL MONITORING, ANALYSIS AND ASSESSMENT EQUIPMENT (Cont.)</b>		
902590	Parts and Accessories for Hydrometers and similar floating instruments, thermometers pyrometers, barometers, hygrometers, and psychrometers, recording or not, and any combination of these instruments	Other thermometers and pyrometers, not combined with other instruments, excluding liquid filled for direct reading
902610	Instruments and apparatus for measuring or checking the flow or level of liquid	Electrical flow meters
902620	Instruments and apparatus for measuring or checking pressure	Electrical instruments and apparatus
902680	Other instruments and apparatus	Electrical heat meters
902690	Parts and accessories for articles of subheading 9026	
902710	Gas or smoke analysis apparatus	
902720	Chromatographs and electrophoresis instruments	Gas chromatographs / Liquid chromatographs / Electrophoresis instruments
902730	Spectrometers, Spectrophotometers and Spectrographs Using Optical Radiations (Ultraviolet, Visible, Infrared)	
902740	Exposure Meters	Exposure meters
902750	Other instruments and apparatus using optical radiations (UV, visible, IR)	Thermal analysis instruments and apparatus / Other chemical analysis Photometers instruments and apparatus / Other chemical analysis instruments and apparatus
902780	Other instruments and apparatus for physical or chemical analysis	Nuclear magnetic resonance instruments / Mass spectrometers / Electrochemical analysis instruments and apparatus / Chemical analysis instruments and apparatus / Physical analysis instruments and apparatus
<b>POTABLE WATER TREATMENT</b>		
391400	Ion-exchangers based on polymers of Nos 39.01 to 39.13 in primary forms	
841381	Pumps for liquids, whether or not fitted with a measuring device; other pumps	Wind turbine pump
<b>RECYCLING SYSTEMS</b>		
841940	Distilling or rectifying plant	
847410	Sorting, screening, separating or washing machines elsewhere specified	

HS CODE	PRODUCT DESCRIPTION	ADDITIONAL PRODUCT SPECIFICATION
<b>RENEWABLE ENERGY PLANT</b>		
280410	Hydrogen	
841011	Hydraulic turbines elsewhere specified and water wheels of a power not exceeding 1,000 kW	
841012	Hydraulic turbines elsewhere specified and water wheels of a power exceeding 1,000 kW but not exceeding 10,000 kW	
841013	Hydraulic turbines elsewhere specified and water wheels of a power exceeding 10,000 kW	Hydraulic turbines elsewhere specified - Francis type / Other
841090	Hydraulic turbines elsewhere specified and water wheels; parts, including regulators	
850231	Other electric generating sets	Wind-powered
854140	Photovoltaic diodes	Photosensitive diodes / Solar cells
902790	Microtomes; parts and accessories	Microtomes
902890	Parts and accessories for articles of subheading 9028	Of gas meters / Of liquid meters
903010	Instruments and apparatus for measuring or detecting ionising radiations	
903020	Cathode-ray oscilloscopes and cathode-ray oscillographs	
903031	Multimeters	
903039	Other instruments and apparatus, for measuring or checking voltage, current, resistance or power, without a recording device	For measuring or checking voltage, current or resistance
903083	Other instruments and apparatus for measuring or checking electrical quantities, with a recording device	
903089	Other instruments and apparatus for measuring or checking electrical quantities	
903090	Parts and accessories (for nominated articles of subheading 9030)	
903110	Machines elsewhere specified for balancing mechanical parts	
903120	Test benches	
903130	Profile projectors	
903149	Other optical instruments, appliances and machines elsewhere specified for measuring or checking	
903180	Other measuring or checking instruments, appliances and machines elsewhere specified, not elsewhere specified in this chapter	For testing electrical characteristics of internal combustion engines elsewhere specified
903190	Parts and accessories (for nominated articles of subheading 9031)	
903210	Thermostats	
903220	Manostats	



HS CODE	PRODUCT DESCRIPTION	ADDITIONAL PRODUCT SPECIFICATION
<b>RENEWABLE ENERGY PLANT (Cont.)</b>		
903281	Hydraulic and pneumatic instruments and apparatus	Industrial process control instruments and apparatus
903289	Automatic regulating or controlling instruments, other	Temperature control instruments / Pressure and draft control instruments / Flow and liquid level control instruments / Humidity control instruments / Automatic voltage and voltage-current regulators / Control instruments for air-conditioning, refrigeration or heating systems
903290	Parts and accessories - automatic regulating or controlling instruments	
903300	Parts and accessories (not specified or included elsewhere in this Chapter) for machines elsewhere specified, appliances, instruments or apparatus of Ch. 90	
<b>HEAT AND ENERGY MANAGEMENT</b>		
841919	Other instantaneous or storage water heaters, non-electric	Solar water heaters
841950	Heat exchange units	
853080	Other electrical signalling, safety or traffic control equipment	
853931	Discharge lamps, fluorescent, hot cathode	
902810	Gas meters	
902820	Liquid meters	
902830	Electricity meters	
<b>SOIL CONSERVATION</b>		
460120	Mats, matting, and screens of vegetable materials	Erosion control matting (biodegradable)
<b>CLEAN TECHNOLOGIES, PROCESSES AND PRODUCTS</b>		
382490	Products, preparations and residual products of the chemical or allied industries, incl. those consisting of mixtures of natural products, not elsewhere specified (excl. binders for foundry moulds and cores; naphthenic acids, their water-insoluble salts and their esters; non-agglomerated metal carbides mixed together or with metallic binders; prepared additives for cements, mortars and concretes; non-refractory mortars and concretes; sorbitol)	Fatty substances of animal or vegetable origin and mixtures (biodiesel)
850680	Primary cells & batteries	Fuel cells