

**Committee on Trade and Environment  
Special Session**

**SYNTHESIS OF SUBMISSIONS ON ENVIRONMENTAL GOODS**

Informal Note by the Secretariat

*This document has been prepared under the Secretariat's own responsibility and without prejudice to the positions of Members and to their rights and obligations under the WTO.*

1. Paragraph 31 (iii) of the Doha Ministerial Declaration calls for negotiations on "the reduction or, as appropriate, elimination of tariff and non-tariff barriers to environmental goods and services", with a view to enhancing the mutual supportiveness of trade and environment. The present note compiles the various issues raised in Members' submissions to the CTESS in 2002-2005, to the extent possible. It was initially prepared in response to a request by the CTESS at its February 2005 meeting (Job (05)/57 and Rev.1-2).
  2. The note begins with an introduction followed by a section describing the approaches to Paragraph 31(iii) before the CTESS. The third section sets out the parameters that have been used by Members in constructing their proposed lists of environmental goods. A final section refers to a number of other issues raised in the submissions related to the Paragraph 31 (iii) mandate. Annex I shows the different categories used by Members in their lists. A compilation of lists submitted by Members so far is provided in Annex II. A table showing all submissions on environmental goods to date is contained in Annex III.
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## I. INTRODUCTION

3. It has been emphasized that negotiations under Paragraph 31(iii) should aim at achieving sustainable development by creating triple win situations beneficial to trade, environment and development.<sup>1</sup>

4. First, it has been said that the negotiations could result in a win for increased *trade* due to a reduction or elimination of tariff and non-tariff barriers (NTBs). Domestic purchasers, including business and governments at all levels, would be able to acquire environmental technologies at lower costs.<sup>2</sup>

5. The negotiations could also result in a win for the *environment* by improving access to high quality environmental goods. This can lead to direct quality of life benefits for citizens in all countries in terms of a cleaner environment while satisfying basic human needs, such as improved access to safe water, sanitation or clean energy.<sup>3</sup> In addition, the use of environmental goods can reduce negative externalities in the form of detrimental environmental and human health effects and can assist in the realization of important energy efficiency gains.<sup>4</sup>

6. Finally, the negotiations could result in a win for *development* because liberalization can assist developing countries in obtaining the tools needed to address key environmental priorities as part of their on-going development strategies<sup>5</sup>, such as those that have been identified in the WSSD Johannesburg Plan of Implementation.<sup>6</sup>

## II. APPROACHES TO THE NEGOTIATIONS UNDER PARAGRAPH 31(III)

7. The submissions made so far propose the following approaches to Paragraph 31 (iii): the environmental project approach, the approach supporting the establishment of a multilaterally agreed list of environmental goods and the integrated approach.

### A. ENVIRONMENTAL PROJECT APPROACH

8. The "Environmental Project Approach" is proposed by India.<sup>7</sup> Under this approach, environmental goods and services would be included in a project to be approved by a Designated National Authority (DNA). If approved, the goods and services included in the project would qualify for specified concessions for the duration of the project. This approach would address diversity in environmental standards with common but differentiated responsibilities and would introduce trade liberalization to meet the environmental, as well as development goals, of both the

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<sup>1</sup> "Negotiations on Environmental Goods", submission by the United States, 9 July 2002, TN/TE/W/8, para. 2; "Market Access for Environmental Goods", submission by the European Communities, 17 February 2005, TN/TE/W/47, para. 5; "Canada's Initial List of Environmental Goods", submission by Canada, TN/TE/W/50, 2 June 2005, para. 3; "An Alternative Approach for Negotiations under Paragraph 31(iii)", submissions by India, 3 June 2005, TN/TE/W/51, para. 12; "Environmental Goods", submission by Cuba, 5 July 2005, TN/TE/W/55, para. 2; "Environmental Goods", submission by Switzerland, 6 July 2005, TN/TE/W/57, paras. 3-4; "Environmental Goods for Development", submission by Brazil, 8 July 2005, TN/TE/W/59, para. 9.

<sup>2</sup> "Liberalizing Environmental Goods in the WTO: Approaching the Definition Issue", submission by the United States, 19 June 2003, TN/TE/W/34, para. 3.

<sup>3</sup> United States, TN/TE/W/34, para. 3; European Communities, TN/TE/W/47, para. 5.

<sup>4</sup> Switzerland, TN/TE/W/57, para. 4.

<sup>5</sup> Cuba, TN/TE/W/55, para. 15. See also "Statement by China on Environmental Goods at the Committee on Trade and Environment Special Session (CTESS) Meeting of 22 June 2004", 6 July 2004, TN/TE/W/42, para. 2.

<sup>6</sup> United States, TN/TE/W/34, para. 3.

<sup>7</sup> Submissions by India: "An Alternative Approach for Negotiations under Paragraph 31(iii)", 3 June 2005, TN/TE/W/51, "Structural Dimensions of the Environmental Project Approach", 4 July 2005, TN/TE/W/54 and "Procedural and Technical Aspects of the Environmental Project Approach, 19 September 2005, TN/TE/W/60.

Doha Development Agenda and Agenda 21.<sup>8</sup> It is also said that this approach would bring synergy between environmental goods and services and provide a framework for transfer of technology and for its adaptation by developing countries.<sup>9</sup> Also, goods and services required for the project would have direct use and could be related to the environmental objective for which they were being given market access.<sup>10</sup>

9. The DNA is to be the national focal point for overseeing all approvals to be granted for tariff reductions on environmental goods and services related to a specific project that is to be implemented within the country. Its primary role would be to function as an authority that would appraise the project proposals for granting tariff concessions on goods and services.<sup>11</sup> The DNA may comprise, for example, representatives from government, private sector, civil society or any other entities deemed appropriate by national governments.<sup>12</sup> The role of the DNA would be to see that the information provided in the proposal is appropriate for achieving the objectives of the project.

10. The projects selected would aim at meeting national environmental objectives, as well as objectives of any bilateral or multilateral environmental agreement.<sup>13</sup> They would include, *inter alia*, equipment, parts and components, consumables, services, investment, financial aid and transfer of technology. The broad criteria for "environmental projects" could be agreed upon in the CTESS with due consideration to the policy space of national governments. The projects may include: air pollution control; water and waste management; solid waste management; remediation and clean-up; noise and vibration abatement; environmental monitoring and analysis; process optimization; energy saving management; renewable energy facilities; and environmentally preferable products.<sup>14</sup>

## B. LIST APPROACH

11. At present, nine Members have tabled submissions containing their initial lists of environmental goods: Canada, the European Communities, Japan, Korea, New Zealand, Qatar, Switzerland, Chinese Taipei and the United States. The products included in the various lists have been compiled in Annex II to this note. Two aspects have been discussed by Members in relation to the list approach: the development of a "living list", and the creation of two lists with different sets of commitments.

12. It has been suggested that an agreed list of environmental goods should be considered a "living list"<sup>15</sup> and that a process should be set up to update and expand the list.<sup>16</sup> This would help reflect the reality of the evolution of environmental goods and technological change and encourage technological innovation in a field where evolution in technologies is the key to successfully

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<sup>8</sup> India, TN/TE/W/51, para. 12.

<sup>9</sup> India, TN/TE/60, paras. 4, 6.

<sup>10</sup> India, TN/TE/60, para. 8.

<sup>11</sup> India, TN/TE/W/54, para. 14.

<sup>12</sup> India, TN/TE/60, para. 9.

<sup>13</sup> India, TN/TE/W/51, para. 13.

<sup>14</sup> India, TN/TE/W/51, para. 14.

<sup>15</sup> Submissions by New Zealand: "Environmental Goods", 10 February 2005, TN/TE/W/46, paras. 13-18; "Environmental Goods", 26 May 2005, TN/TE/W/49, para. 6; and "Environmental Goods", Statement at the CTESS Informal Meeting of 10 June 2005, Supplement, 16 June 2005, TN/TE/W/49/Suppl.1, para. 23.

<sup>16</sup> New Zealand, TN/TE/W/46, para. 16; European Communities, TN/TE/W/47, para. 7 and "EC Submission on environmental goods", 5 July 2005, TN/TE/W/56, para. 1; Switzerland, TN/TE/W/57, paras. 16-17. With respect to precedents in this regard, the 1996 Ministerial Declaration on Trade in Information Technology Products (ITA) and the Uruguay Round "zero-for-zero" initiative on the Trade in Pharmaceutical Products, were developed on the assumption that the lists of products covered by these agreements would need to stay abreast of, and be responsive to, technological breakthroughs.

addressing environmental challenges.<sup>17</sup> According to a report by the OECD, half of the environmental goods likely to be in use within the coming decade do not currently exist.<sup>18</sup>

13. Some Members have expressed the view that two lists need to be prepared. China's proposal suggested setting up a "common list" and a "development list".<sup>19</sup> The "common list" would include specific product lines, on which there is consensus that they constitute environmental goods. For the products in this common list, Members are committed to reduce or eliminate tariff and non-tariff barriers. The "development list" would be a list of environmental goods for special and differential treatment born from the "common list". It would comprise those products selected by developing and least-developed country Members from the common list for exemption, or a lower level of reduction commitments, with a view to reflecting the principle of less than full reciprocity.<sup>20</sup>

14. The United States has proposed that a "core list" and a "complementary list" be developed.<sup>21</sup> The "core list" would comprise of products on which there is consensus that they constitute environmental goods. A second "complementary list" could be developed for additional products on which definitive consensus could not be reached, but for which there is a high degree of acknowledgement that they can have significance for environmental protection, pollution prevention or remediation, and sustainability.<sup>22</sup>

### C. INTEGRATED APPROACH

15. The "Integrated Approach" is set out in a submission by Argentina. It brings together elements from all proposals submitted so far.<sup>23</sup> Pursuant to this approach, two cumulative conditions would have to be met in order to benefit from the reduction/elimination of tariff and non-tariff restrictions under paragraph 31(iii) of the Doha Mandate.<sup>24</sup> First, the goods must be included in one of the environmental project categories to be identified by the CTESS, such as: air pollution control; water and waste water management; soil and soil conservation; solid waste management; remediation and clean up; noise and vibration abatement; environmental monitoring and analysis; process optimization; energy saving management; renewable energy; and environment-friendly products.<sup>25</sup>

16. The CTESS would then include in each category the "environmental goods" that would be available for application to the development of national projects. Tariff reduction/elimination and the elimination of non-tariff barriers would be agreed multilaterally, taking account of special and differential treatment. The tariff benefit granted by the importing Member would cover a specific period, i.e. the project implementation phase. The conditions of access to the transfer of "clean technology" and local capacity building would be negotiated within the environmental project.

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<sup>17</sup> "Initial List of Environmental Goods", submission by the United States, 1 July 2005, TN/TE/W/52, para. 4; European Communities, TN/TE/W/47, para. 7; and "EC Submission on environmental goods", 5 July 2005, TN/TE/W/56, para. 1.

<sup>18</sup> OECD (1998) *The Global Environmental Goods and Services Industry*, OECD Publications, Paris.

<sup>19</sup> China, TN/TE/W/42, paras. 4-6.

<sup>20</sup> In its submission to the CTESS, Cuba has expressed its support of China's proposal, TN/TE/W/55, para. 18.

<sup>21</sup> "Contribution on an Environmental Goods Modality", submission by the United States, 7 July 2003, TN/TE/W/38 – TN/MA/W/18/Add.5, para. 3.

<sup>22</sup> New Zealand has also suggested to develop two such lists, TN/TE/W/46, paras. 10-12.

<sup>23</sup> "Integrated Proposal on Environmental Goods for Development", submission by Argentina, 14 October 2005, TN/TE/W/62.

<sup>24</sup> Argentina, TN/TE/W/62, para. 10.

<sup>25</sup> Argentina, TN/TE/W/62, para. 9.

### III. PARAMETERS USED TO IDENTIFY ENVIRONMENTAL GOODS

17. Various parameters for the identification of environmental goods have been proposed by Members in their submissions. These are presented hereafter in no particular order.

#### A. END-USE CHARACTERISTICS

18. It has been suggested that reliance on a product's environmental "end-use"<sup>26</sup> or "direct use"<sup>27</sup> characteristics could be a practical criterion for the identification of environmental goods: only products used for a particular environmental purpose or medium should be included in the list of environmental goods.<sup>28</sup> Concerns have been expressed about the possible dual/multiple use of these products: certain products may have significant uses other than environmental ones.<sup>29</sup> Also, it has been stressed that goods that rely on product distinctions based on processes or production methods (PPMs) should be excluded from the list.<sup>30</sup>

#### B. LINK TO EXISTING CLASSIFICATIONS

19. The products nominated on Members' lists are listed under HS categories, at the 4- or 6- digit level. In certain cases, the entire HS 4-digit or HS 6-digit heading is not exclusively used for an environmental purpose, and only part of the category is intended as an environmental good.<sup>31</sup> To help identify an environmental good within the HS 4-digit or HS 6-digit category, an additional product specification or ex-out is provided.<sup>32</sup>

#### C. LINK TO EXISTING LISTS

20. In the development of their lists some Members have used "reference points"<sup>33</sup> to the OECD definition of environmental industries<sup>34</sup> and/or APEC's conceptualization of environmental goods.<sup>35</sup> For instance, Japan has cited the work done by the OECD on environmental goods in 2000 as providing the policy rationale for the products and categories which it proposes. Switzerland's list is based on the OECD definition.<sup>36</sup> The United States' list, based on the APEC approach, goes beyond

<sup>26</sup> "Initial List of Environmental Goods Proposed", submission by Korea, 18 February 2005, TN/TE/W/48, para. 5; United States, TN/TE/W/52, para. 2.

<sup>27</sup> "Proposed Initial List of Environmental Goods", submission by Chinese Taipei, 7 October 2004, TN/TE/W/44 (and Corr.1), para. 7.

<sup>28</sup> European Communities, TN/TE/W/47, para. 9.

<sup>29</sup> Cuba, TN/TE/W/55, para. 4; India, TN/TE/W/51, para. 4.

<sup>30</sup> United States, TN/TE/W/52, para. 2; United States, TN/TE/W/34, para. 7; Korea, TN/TE/W/48, para. 5.

<sup>31</sup> In addition, the European Communities has proposed that since environmental technologies are often delivered as packages, specific codes should be created in national nomenclatures for entire systems, whenever they are not already explicitly recognized in the HS. This could, for example, be the case for a wastewater treatment plant, or a system for treating industrial sludge intended to be integrated into an industrial plant. The European Communities, however, has suggested that spare parts and accessories be included in this initiative only when they are explicitly described as solely for the use in the systems identified by Members as environmental goods. European Communities, TN/TE/W/47, para. 9.

<sup>32</sup> Korea, TN/TE/W/48, para. 5; "Canada's Initial List of Environmental Goods – Supplement", submission by Canada, TN/TE/W/50/Suppl.1, 1 July 2005, para. 2; United States, TN/TE/W/52, p. 2; European Communities, TN/TE/W/56, paras. 6-7; Switzerland, TN/TE/W/57, p. 5.

<sup>33</sup> New Zealand, TN/TE/W/46, para. 6 and TN/TE/W/49, paras. 2-3. For Cuba, the use of the APEC and the OECD lists as references for preparing a potential multilateral list has failed to serve the interests of developing countries in that they benefit developed country export products and services. Cuba, TN/TE/W/55, para. 8.

<sup>34</sup> The OECD/EUROSTAT defines the environmental industry as consisting of: "activities which produce goods and services to measure, prevent, limit, minimise or correct environmental damage to water, air and soil as well as problems related to waste, noise and eco systems. Clean technologies, processes, products and services which reduce environmental risks and minimise pollution and material use are also considered part of the environmental industry". OECD (1999) *The Environmental Goods and Services Industry: Manual for Data Collection and Analysis*, OECD Publications, Paris.

<sup>35</sup> The descriptive section of WT/GC/W/138/Add.1 contains further details on the approach adopted by APEC.

<sup>36</sup> Switzerland, TN/TE/W/57, para. 20.

the APEC list to cover an additional 46 products.<sup>37</sup> For each category in the New Zealand list, reference points to the OECD and/or APEC definitions have been used to explain the presence of an environmental good on the list.<sup>38</sup>

#### D. CONTRIBUTION TO INTERNATIONALLY AGREED ENVIRONMENTAL OBJECTIVES

21. The following instruments have been referred to as providing guidance to the identification of environmental goods:

- Agenda 21: Chapter 4 on changing consumption patterns<sup>39</sup> and Chapter 9 on the protection of the atmosphere<sup>40</sup>;
- Johannesburg World Summit on Sustainable Development (WSSD) Plan of Implementation, *inter alia* paragraphs 8, 9, 20(c), 21, 22(a) and (b), 25, 26(e) and (f), 36(g), 38(g), 66(d) and chapter IV<sup>41</sup>;
- Millennium Development Goals (MDG) addressing basic human needs in particular, access to safe water and sanitation, pollution prevention, resource use reduction and waste minimization, e.g. MDG 7 of halving the proportion of people without sustainable access to safe drinking water<sup>42</sup>;
- Multilateral Environmental Agreements (MEAs), e.g. the United Nations Framework Convention on Climate Change and the Kyoto Protocol<sup>43</sup>; the Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and Their Disposal<sup>44</sup>; the Montreal Protocol on Substances that Deplete the Ozone Layer<sup>45</sup>; the Stockholm Convention on Persistent Organic Pollutants<sup>46</sup>; the Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade<sup>47</sup>; and the Convention on Biological Diversity<sup>48</sup>;
- Bonn International Conference for Renewable Energies, Political Declaration of June 2004<sup>49</sup>; and
- Globally Harmonized System of Classification and Labelling of Chemicals (GHS).<sup>50</sup>

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<sup>37</sup> United States, TN/TE/W/34, para. 9 and TN/TE/W/52, para. 3.

<sup>38</sup> New Zealand, TN/TE/W/46, para. 6 and TN/TE/W/49, paras. 2-3.

<sup>39</sup> European Communities, TN/TE/W/56, p. 12.

<sup>40</sup> European Communities, TN/TE/W/56, p. 6 and 13.

<sup>41</sup> European Communities, TN/TE/W/56, pp. 3-13.

<sup>42</sup> European Communities, TN/TE/W/56, p. 3.

<sup>43</sup> "Negotiations on Environmental Goods: Efficient, Lower-Carbon and Pollutant-Emitting Fuels and Technologies", Qatar, 28 January 2003, TN/TE/W/19, TN/MA/W/24, para. 8; European Communities, TN/TE/W/47, footnote 2 to para. 6.

<sup>44</sup> European Communities, TN/TE/W/47, footnote 2 to para. 6.

<sup>45</sup> European Communities, TN/TE/W/47, footnote 2 to para. 6.

<sup>46</sup> European Communities, TN/TE/W/47, footnote 2 to para. 6.

<sup>47</sup> European Communities, TN/TE/W/47, footnote 2 to para. 6.

<sup>48</sup> European Communities, TN/TE/W/47, footnote 2 to para. 6; Brazil, TN/TE/W/59, para. 10.

<sup>49</sup> European Communities, TN/TE/W/47, p. 8.

<sup>50</sup> European Communities, TN/TE/W/47, footnote 2 to para. 6.

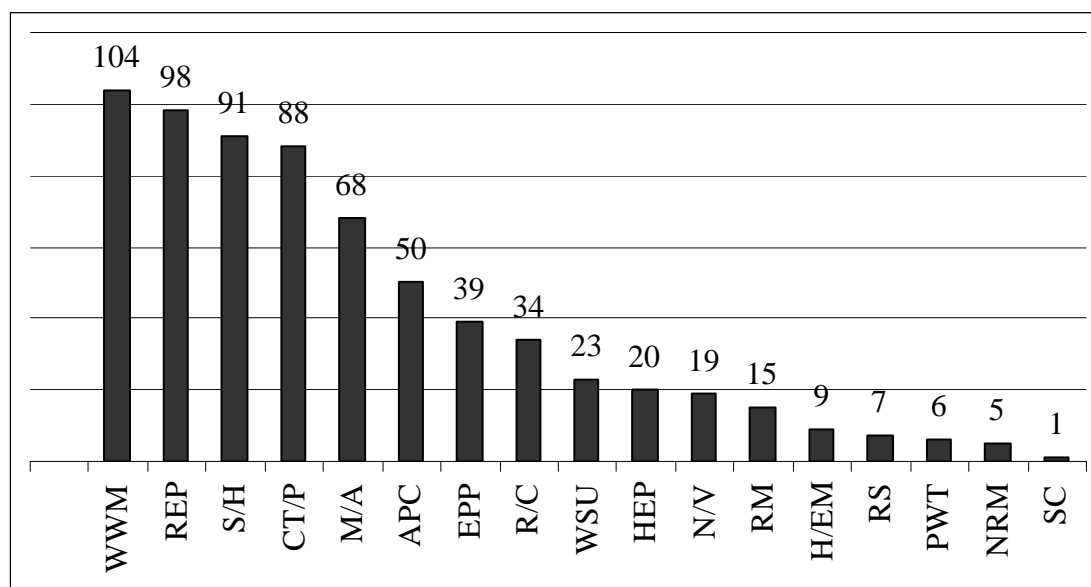
E. CATEGORY COVERAGE OF MEMBERS' SUBMISSIONS

1. Main categories of Members' Submissions

22. Annex II contains all the products listed by Canada, the European Communities, Japan, Korea, New Zealand, Qatar, Switzerland, Chinese Taipei and the United States in their submissions. Members have used categories as a tool to catalogue the products whose purpose or function may not have been evident from the HS code in the construction of a list of environmental goods and to help illustrate the environmental purposes justifying the products' inclusion in the lists.<sup>51</sup>

23. In total, Annex II contains 480 entries.<sup>52</sup> Most of the entries refer to the area of waste water management (118 entries), solid and hazardous waste management (108 entries) and renewable energy plant (108 entries). 56 per cent of the entries fall in the area of "pollution management". The different categories used by Members in their lists as well as the abbreviations contained in Annex II are presented in Annex I. The composition of Annex II may be reflected as follows:

Composition of Annex II by Category<sup>53</sup>

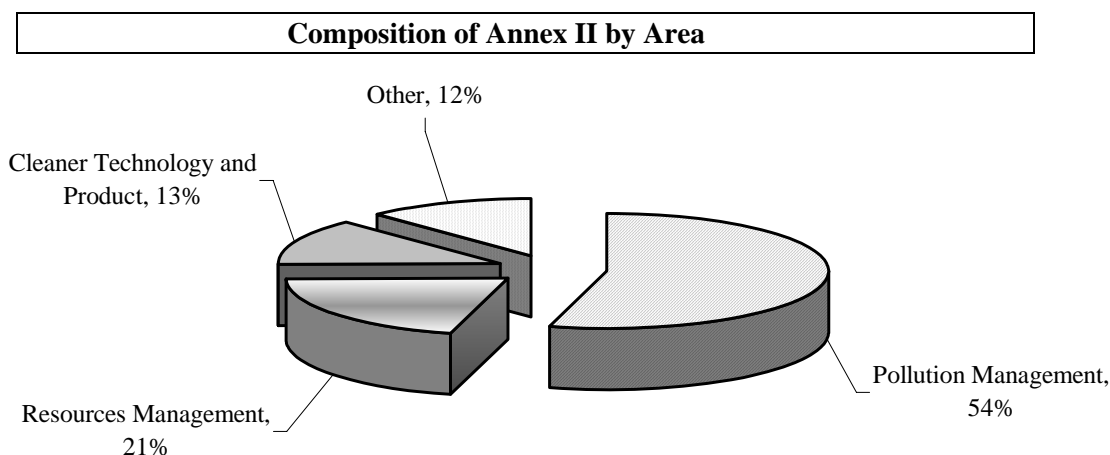


<sup>51</sup> Canada, TN/TE/W/50/Suppl.1, para. 3.

<sup>52</sup> There is one entry per HS heading or sub-heading. However, there are 36 entries without HS code, see entries 444-480.

<sup>53</sup> Several entries refer to more than one category; as a result, the total number of entries does not correspond to the total number of categories referenced. The abbreviations given in this graph are explained in Annex I.





## 2. Environmentally Preferable Products

24. A number of Members have included Environmentally Preferable Products (EPPs) in their lists. The concept of EPPs draws on aspects of the work undertaken by UNCTAD, which defines EPPs as products "that cause significantly less 'environmental harm' at some stage of their 'life-cycle' than alternative products serving the same purpose".<sup>54</sup> The European Communities has created a similar category which encompasses some of the EPPs: "goods that have a high environmental performance or low environmental impacts".<sup>55</sup> It has been stressed, however, that the EPP concept should be utilised only when the product to which it refers can be identified by end-use or disposal characteristics.<sup>56</sup>

25. It has been said that EPPs are distinct from other pollution-control goods and equipment because their environmental benefits arise in the production process, in direct use, or during disposal.<sup>57</sup> EPPs can also be identified on the basis of objective parameters such as composition (e.g. the renewable character of components) and/or environmental performance (e.g. energy consumption, efficiency, recyclability/bio-degradability, low/zero pollution).<sup>58</sup>

26. The main consideration advanced for inclusion of this category of products in the list has been that EPPs are of particular trade interest to developing country Members.<sup>59</sup> It has been stressed that for a majority of EPPs included in the proposed lists, developing countries were net exporters.<sup>60</sup> Promotion of trade in natural EPPs offers attractive export opportunities for natural-products-based industries utilizing raw materials and skills that developing countries are relatively better endowed with.<sup>61</sup> It has been proposed that the definition of environmental goods cover products such as natural fibres and colorants and other non-timber forest products and renewable energy products,

<sup>54</sup> Less environmental harm according to the following criteria: (a) use of natural resources and energy; (b) amount and hazardousness of waste generated by the product along its life cycle; (c) impact on human and animal health; and (d) preservation of the environment. UNCTAD (1995) *Environmental Preferable Products (EPPs) as a Trade Opportunity for Developing Countries*, Geneva, UNCTAD (UNCTAD/COM/70).

<sup>55</sup> European Communities, TN/TE/W/47, para. 13.

<sup>56</sup> New Zealand, TN/TE/W/49, footnote 8 to para. 5; Switzerland, TN/TE/W/57, para. 21.

<sup>57</sup> Switzerland, TN/TE/W/57, para. 11.

<sup>58</sup> European Communities, TN/TE/W/47, para. 13.

<sup>59</sup> Switzerland, TN/TE/W/57, para. 22; Brazil, TN/TE/W/59, para. 4.

<sup>60</sup> Switzerland, TN/TE/W/57, para. 15; New Zealand, TN/TE/W/49/Suppl.1, para. 8.

<sup>61</sup> Switzerland, TN/TE/W/57, para. 15. According to the findings of the 2004 WTO Workshop on Environmental Goods (JOB(05)/21), the ratio of exports to imports of all environmental goods for developing countries was approximately 50 per cent (UNCTAD, year 2000 data). Looking at renewable energy and energy efficient environmental products, this ratio became approximately 100 per cent. For EPPs, the ratio was, with 127 per cent, even better. This means that developing countries might have a comparative advantage of renewable energies and energy efficient products as well as EPPs over pollution control equipments of the OECD/APEC list.

including ethanol and biodiesel.<sup>62</sup> Improved market access for products derived from, or that incorporate, cleaner technologies, such as "flexi fuel" engines and vehicles, could also encourage the use of environmentally efficient products, as those vehicles are driven by a fuel obtained from the processing of natural resources available in developing countries.<sup>63</sup>

#### IV. OTHER ISSUES RELATED TO THE PARAGRAPH 31 (III) MANDATE

27. The following issues have also been raised with regard to the paragraph 31 (iii) mandate: linkages between environmental goods and services; and the provision of tariff and trade data.

##### A. LINKAGES BETWEEN ENVIRONMENTAL GOODS AND SERVICES

28. It has been stated that the provision of environmental services is closely linked to trade in related goods as there are many environmental activities that entail the delivery of services in conjunction with the use of goods.<sup>64</sup> Moreover, the separation of services and goods in a particular environmental activity is difficult because these are very often integrated.<sup>65</sup> Some Members have indicated that the development of their lists of environmental goods has been informed by the types of products used in environmental services.<sup>66</sup>

29. However, the concern has been raised that the linkages between goods and services have not been taken into account by the various negotiating fora, whereas proper consideration of the issue could encourage the participation of developing countries in the negotiations.<sup>67</sup> Moreover, it has been pointed out that the "List Approach" treats environmental goods and services in a mutually exclusive manner.<sup>68</sup>

30. Finally, it has been suggested that, with a view to maximizing the benefits of trade liberalization for the development of environmental markets, Members should ensure, where appropriate, a parallel liberalization of trade in environmental services.<sup>69</sup>

##### B. PROVISION OF TARIFF AND TRADE DATA

31. In their submissions, some Members have provided tariff and trade data. For instance, the United States has supplied tariff data based on the 2001 MFN rate<sup>70</sup> and import data with the average value of imports from years 1999 to 2001.<sup>71</sup> The import data are provided at the HS 6-digit level which may be broader than the actual trade for the proposed environmental goods.<sup>72</sup>

32. According to New Zealand, for a number of the items currently on its list, bound rates range from 10-15 per cent, and in some cases above that.<sup>73</sup> Moreover, New Zealand has some bound rates of 30 per cent in its Uruguay Round Schedule, including, for instance, on two EPP lines of interest to

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<sup>62</sup> Brazil, TN/TE/W/59, para. 10.

<sup>63</sup> Brazil, TN/TE/W/59, para. 11.

<sup>64</sup> Canada, TN/TE/W/50/Suppl.1, para. 4; Cuba, TN/TE/W/55, para. 12; India, TN/TE/W/51, para. 11.

<sup>65</sup> India, TN/TE/W/51, para. 11.

<sup>66</sup> Canada, TN/TE/W/50/Suppl.1, para. 4. The European Communities' list is partly based on the EC proposal for a classification of Environmental Services in the context of the GATS. European Communities, TN/TE/W/47, para. 12 and footnote 4.

<sup>67</sup> Cuba, TN/TE/W/55, para. 12.

<sup>68</sup> India, TN/TE/W/51, para. 11.

<sup>69</sup> European Communities, TN/TE/W/47, para. 20.

<sup>70</sup> The tariff rate provided is a simple average of all the national line tariffs that comprise each HS 6 digit category. United States, TN/TE/W/52, p.2.

<sup>71</sup> The reference period with which Members currently submit trade data to the Non-Agricultural Market Access Negotiating Committee.

<sup>72</sup> United States, TN/TE/W/52, p.2.

<sup>73</sup> New Zealand, TN/TE/W/49/Suppl.1, para. 10.

developing countries (product lines of HS 560710 (twine made from jute) and HS560721 (twine made from sisal)).<sup>74</sup> New Zealand has also provided data on its trade with developing countries. It has reported that, over the past eight years, more than 90 per cent of the EPPs on the New Zealand list that were exported to New Zealand came from developing countries, including, for instance, countries like Bangladesh, Kenya, Zambia, South Africa, Tanzania and India.<sup>75</sup>

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<sup>74</sup> New Zealand, TN/TE/W/49/Suppl.1, para. 10.

<sup>75</sup> New Zealand, TN/TE/W/49/Suppl.1, para. 8.

## ANNEX I CATEGORY COVERAGE OF MEMBERS' SUBMISSIONS

Canada	European Communities	Japan	Korea	New Zealand	Qatar	Switzerland	Chinese Taipei	United States	Abb. in Ann.1
<i>Pollution Management</i>									
Air pollution control	Protection of ambient air and climate <sup>76</sup>	Air pollution control	Air pollution control	Air pollution control			Air pollution control	Air Pollution Control	<b>APC</b>
Environmental monitoring, analysis and assessment equipment	Environmental monitoring, analysis and assessment not already included elsewhere	Monitoring and analysis	Monitoring and analysis	Environmental monitoring, analysis and assessment equipment			Monitoring and analysis and assessment	Environmental monitoring, analysis and assessment	<b>M/A</b>
	Noise and vibration abatement <sup>77</sup>	Noise and vibration abatement	Noise and vibration abatement				Noise and vibration abatement	Noise and vibration abatement	<b>N/V</b>
Remediation and clean-up of soil and water	Protection and remediation and cleanup of soil and water <sup>78</sup>	Remediation and cleanup	Remediation and cleanup	Clean-up or remediation of soil and water			Remediation and clean-up of soil and water	Remediation and clean-up of soil and water	<b>R/C</b>
Solid and hazardous waste management	Solid and hazardous waste management <sup>79</sup>	Solid waste management	Solid and hazardous waste management	Management of solid or hazardous waste			Solid and hazardous waste management	Solid and hazardous waste management	<b>S/H</b>
Waste water management	Water for human use and wastewater management <sup>80</sup>	Waste water management	Waste water management	Waste water management			Waste water management	Waste water management	<b>WWM</b>
<i>Cleaner Technology and Products</i>									
Clean technologies processes and products		Cleaner technology and products		Cleaner or more resource-efficient technologies and products	Cleaner technology and products <sup>81</sup>	Cleaner technology and cleaner products			<b>CT/P</b>
<i>Resources Management</i>									
		Resource management						Natural resources protection	<b>RM</b>

<sup>76</sup> The European Communities proposed the following three sub-categories: Air pollution measurement and monitoring (gas, particles and aerosols in the environment and at the emission source); air purification, including odour control; and air handling. European Communities, TN/TE/W/56.

<sup>77</sup> The European Communities proposed the following three sub-categories: Noise measurement and analysis; vibration measurement and analysis; and noise and vibration abatement. TN/TE/W/56.

<sup>78</sup> The European Communities proposed the following four sub-categories: Analysis; pollution control; soil cleaning/ remediation; and soil protection. TN/TE/W/56.

<sup>79</sup> The European Communities proposed the following three sub-categories: Waste collection; Waste treatment and disposal, including recycling; and other sanitation. TN/TE/W/56.

<sup>80</sup> The European Communities proposed the following five sub-categories: Water analysis, measurement and monitoring; water collection; production of drinking water; water handling equipment; and wastewater treatment. European Communities, TN/TE/W/56.

<sup>81</sup> Qatar proposed the following three sub-categories: Gas Turbines Combined Cycle Power Generation; Chemical Gas to Liquid (GTL) Fuels; and Natural Gas Fuel Cell Technologies. For more details, see "Negotiations on Environmental Goods: Efficient, Lower-Carbon and Pollutant-Emitting Fuels and Technologies", Qatar, 28 January 2003, TN/TE/W/19, TN/MA/W/24.

Canada	European Communities	Japan	Korea	New Zealand	Qatar	Switzerland	Chinese Taipei	United States	Abb. in Ann.1
Heat and energy management		Heat and energy savings and management		Heat and energy management				Heat and energy management	<b>H/EM</b>
				Natural risk management					<b>NRM</b>
Potable water treatment				Potable water treatment				Potable water treatment	<b>PWT</b>
Renewable energy plant	Renewable energies <sup>82</sup>			Renewable energy plant				Renewable energy plant	<b>REP</b>
Recycling systems		Other recycling system		Recycling systems				Recycling Systems	<b>RS</b>
<i>Other</i>									
				Environmentally preferable products, based on end-use or disposal characteristics		Environmentally preferable products based on end-use or disposal characteristics		Environmentally preferable products based on end-use or disposal characteristics	<b>EPP</b>
	High environmental performance or low environmental impacts <sup>83</sup>								<b>HEP</b>
Soil conservation				Soil conservation					<b>SC</b>
				Waste and scrap utilisation					<b>WSU</b>

<sup>82</sup> The European Communities proposed the following six sub-categories: Solar energy (solar heating, solar photovoltaics, solar thermal power generation, other solar technologies); wind energy (wind generator, wind pump); hydropower; wave power; geothermal power generation; and bio-energy (bio-electricity and bio-heat from waste). TN/TE/W/56.

<sup>83</sup> The European Communities proposed the following eight sub-categories: Vegetable plaiting materials; pulps of fibrous cellulosic material; vegetable textile fibres; other natural products; sustainable agriculture or gardening (organic fertilisers, natural pest control); energy efficiency (low consumption bulbs); sustainable transport (public transport of persons/transport of goods, other forms of sustainable transport); and eco-labelled products. TN/TE/W/56.

**ANNEX II**  
**ENVIRONMENTAL GOODS BASED ON MEMBERS' SUBMISSIONS**

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
1.	121190	Pyrethrum, extracts of pyrethrum or of the roots of plants containing rotenone		HEP	Natural occurring botanical pesticides used in organic agriculture.		European Communities
2.	130214	Pyrethrum, extracts of pyrethrum or of the roots of plants containing rotenone		WWM	Natural occurring botanical pesticides used in organic agriculture.		European Communities
3.	14	Vegetable plaiting materials and other vegetable products of Chapter 14		HEP	For instance materials made of bamboo or rattan (i.e. non-wood forest products). Bamboo grows to harvestable conditions in 4-5 years (much faster than slow-growing hardwoods, to which it offers alternative solutions) and can be harvested sustainably, without killing it. Bamboo can be of great use to rehabilitate and reclaim degraded (agricultural) land, to protect rivers banks and hill slopes against soil erosion and to help regenerate tropical forests. Rattan has similar characteristics.		European Communities
4.	151590	Unrefined shea butter.		HEP	Shea butter is extracted from the fruits of the wild shea tree, in Sahelian Africa. These trees do not need any irrigation, fertilizers or pesticides and are not grown in plantations.		European Communities
5.	152110	Vegetable waxes; beeswax and other insect waxes		HEP	Products harvested on trees without deforestation.		European Communities
6.	152190	Vegetable waxes; beeswax and other insect waxes		HEP	Products harvested on trees without deforestation.		European Communities
7.	251200	Siliceous fossil meals (for example, kieselguhr, tripolite and diatomite) and similar siliceous earths, whether or not calcines, of an apparent specific gravity of 1 or less	Siliceous granules that facilitate growth of bio-organisms	R/C	A type of growth medium for bio-organisms used for bioremediation (the use of plants, fungi, bacteria or other micro-organisms to break down or remove pollutants).	OECD	New Zealand
			Diatomite (natural insecticide)	CT/P	A siliceous sedimentary rock formed from fossilised diatoms that can be used as an alternative to chemical pesticides. The sharp edges of the diatom skeletons pierce insects' protective coatings, causing them to desiccate.		
			Diatomaceous earth, which is found all over the world and is used in organic agriculture.	EPP			
8.	2513	Pumice stone; emery; natural corundum, natural garnet and other natural abrasives, whether or not heat-treated.		EPP			Switzerland
9.	251810	Dolomite, whether or not calcined or sintered, including dolomite roughly trimmed or merely cut, by sawing or otherwise, into blocks or slabs of a rectangular (including square) shape; dolomite ramming mix. - Dolomite, not calcined or sintered.	Dolomite dust (as an excellent soil amendment)	EPP			Switzerland

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
10.	252100	Limestone flux; limestone and other calcareous stone, for lime or cement		APC			Canada
							Japan
		Limestone flux; limestone and other calcareous stone, of a kind used for the manufacture of lime or cement			Chemical recovery systems. Reduces the formation of acid rain contaminants (sulphur dioxide and nitrogen oxides, SO <sub>2</sub> and NO <sub>x</sub> ) when added to industrial combustion processes.	OECD	New Zealand
		Limestone flux		WWM			European Communities
11.	252220	Slaked lime		APC			Canada
						Chemical recovery systems. Reacts with SO <sub>2</sub> formed in the combustion of sulphur-containing coal, to form a solid (calcium sulphite, CaSO <sub>3</sub> ) which cannot escape into the atmosphere.	OECD
12.	261800	Granulated slag (slag sand) from the manufacture of iron or steel		WSU	Waste material that can be further utilised or recycled.	OECD	New Zealand
13.	271000710	GTL Diesel*		CT/P			Qatar
14.	271000431	GTL Naphtha*		CT/P			Qatar
15.	271000510	GTL Jet Fuel*		CT/P			Qatar
16.	271000910	GTL Lube Oils*		CT/P			Qatar
17.	27111100	Liquefied natural gas (LNG)**		CT/P			Qatar
18.	271112000 271113000	GTL LPG (GTL Propane / GTL Butane)		CT/P			Qatar
19.	27112100	Natural gas (Gas)**		CT/P			Qatar
20.	280110	Chlorine		WWM			Korea
				PWT	Widely used in the disinfection of water and as an oxidizing agent in water treatment (e.g. for organic matter, iron, hydrogen sulphide).	OECD	New Zealand
21.	280410	Hydrogen		REP			Canada

\* The Qatari submission provided the following information: Ultra-clean transportation fuels, oils and feedstock with lower toxic pollutant emissions and no aromatic content. Reduced human health impact. Emission reductions relative to low sulfur petroleum diesel: HC (45%); CO (45%); PM (30%); NO<sub>x</sub> (9%). References: US Dept. of Energy; and Energy and Transport Sector Outlook to 2020. Commonwealth Scientific and Industrial Research Organization (CSIRO), September 2002.

\*\* The Qatari submission provided the following information: Range of Increased Relative Conversion Efficiency (IRCE) compared to other fossil fuels of higher carbon content: 23%-37%. Range of Estimated Lower Relative GHG Emissions (LRGE) compared to other fossil fuels higher carbon content: CO<sub>2</sub>/kwh: 35%-55%; CH<sub>4</sub>/kwh: 25%-75%; N<sub>2</sub>O/kwh: 90%-95%. Range of Estimated Lower Relative Toxic Pollutant Emissions (LRTPE) compared to other fossil fuels of higher in carbon content: SO<sub>2</sub>/kwh: 100%; PM/kwh: 100%; NO<sub>x</sub>/kwh: 50%-70%; NMVOC/kwh: 20%-30%. Reference: FCCC/SBSTA/2002/MISC.3 P 16-35 (UNFCCC document).





ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
31.	283510	Phosphinates (hypophosphites) and phosphonates (phosphites) of metals		WWM	Chemical recovery systems. Corrosion inhibitor.	OECD	Canada New Zealand
32.	283522	Phosphates of monosodium or disodium		WWM	Chemical recovery systems. Water softener, scale and corrosion control	OECD	Canada New Zealand
33.	283523	Phosphates of trisodium		WWM	Chemical recovery systems. Water softener, scale and corrosion control	OECD	Canada New Zealand
34.	283524	Phosphates of potassium		WWM	Chemical recovery systems. Water softener, scale and corrosion control	OECD	Canada New Zealand
35.	283525	Calcium hydrogen orthophosphate (dicalcium phosphate)		WWM	Chemical recovery systems. Water softener, scale and corrosion control	OECD	Canada Korea New Zealand
36.	283526	Calcium phosphates not elsewhere specified		WWM	Chemical recovery systems. Water softener, scale and corrosion control	OECD	Canada Korea
		Other phosphates of calcium					New Zealand
37.	283529	Phosphates of metals not elsewhere specified		WWM	Chemical recovery systems. Water softener, scale and corrosion control	OECD	Canada New Zealand
		Other phosphates (excl. polyphosphates)					
38.	284700	Hydrogen peroxide		CT/P	Used for many purposes e.g. cleaning, microbial pesticides, paper bleaching. H <sub>2</sub> O <sub>2</sub> is a cleaner alternative to other chemicals as it breaks down to water and oxygen in the environment.	OECD	New Zealand
39.	290511	Methanol		REP	Methanol is a low pollution fuel, producing emissions low in reactive hydrocarbons and toxic compounds. It can also be produced sustainably from biomass. It is also a component in biodiesel manufacture.	OECD	New Zealand
40.	290511000	GTL Methanol		CT/P			Qatar
41.	290911000	GTL Dimethyl Ether		CT/P			Qatar
42.	293100	Other organo-inorganic compounds	Nitrification and urease inhibitors	WWM	Nitrification and urease inhibitors prevent nitrogen leaching from soil, fertiliser and/or urine from livestock. Nitrification inhibitors restrict microbial conversion of ammonium to nitrate and hence to the gases nitrogen and nitrous oxide (nitrous oxide is a greenhouse gas). Urease inhibitors inhibit the enzyme urease, thus restricting the conversion of urea in urine to ammonium.	OECD	New Zealand
43.	300290	Other cultures of micro-organisms (excluding yeasts) and similar products	Micro-organism cultures for bio-remediation, water treatment	R/C	Bioremediation is the use of plants, fungi, bacteria or other micro-organisms to break down or remove pollutants (hydrocarbons, pesticides etc).	OECD	New Zealand
		Cultures of micro-organisms and enzymes for the bio-treatment of wastewater.		WWM	Bio-remediation. Also used for the biological treatment of wastewater		European Communities

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
44.	3101	Animal or vegetable fertilisers		HEP	Organic fertilisers are an essential input to organic farming		European Communities
45.	310100	Animal or vegetable fertilisers, whether or not mixed together or chemically treated; fertilisers produced by the mixing or chemical treatment of animal or vegetable products		EPP	Organic fertilisers are an alternative to synthetic, chemical-based fertilisers and are used in organic farming.	OECD	New Zealand
46.	320300	Colouring matter of vegetable or animal origin (including dyeing extracts but excluding animal black), whether or not chemically defined; preparations as specified in note 3 to this chapter based on colouring matter of vegetable or animal origin		WSU	Waste material that can be further utilised or recycled.	OECD	New Zealand
47.	340119	Soap; organic surface-active products and preparations for use as soap: Other: natural soaps made from vegetable oil		EPP	Biodegradable and made from a renewable resource.	OECD	New Zealand
48.	340219	Organic surface active agents, whether or not put up for retail sale: other	Oil spill dispersant chemicals	R/C	Chemicals (mixtures of surfactants and solvents) that convert oil on sea/water surface into small droplets that disperse in the water column to low concentration, reducing the impact on wildlife and speeding up natural decomposition processes.	OECD	New Zealand
49.	340290	Biodegradable surface-active preparations for emulsifying hydrocarbons in water or soil.		R/C			European Communities
50.	3404			HEP	Preparations exclusively made of a mixture of vegetable and/or animal waxes.		European Communities
51.	350790	Enzymes not elsewhere specified; prepared enzymes not elsewhere specified		M/A			Canada
		Cultures of micro-organisms and enzymes for the bio-treatment of wastewater.		WWM			European Communities
		Cultures of micro-organisms and enzymes for soil bio-remediation		R/C	Bio-remediation. Also used for the biological treatment of wastewater		
52.	380210	Activated carbon		APC			European Communities
						Canada	
		Activated earths; activated carbons.		WWM	Chemical recovery systems. Activated carbon is commonly used to remove organic chemicals from drinking water.	OECD	New Zealand
53.	380810	Insecticides	Biological pest control agents	CT/P	Biological control is the use of living organisms, such as predators, parasitoids, and pathogens, to control pest insects, weeds, or diseases. It is an alternative to the use of chemical pesticides.	OECD	New Zealand
		Insecticides and other pest control preparations exclusively made of natural materials, put up in forms or packings for retail sale.		HEP	Naturally derived (microbial or botanical insecticides) used in organic agriculture.		European Communities
54.	381300	Preparations and charges for fire-extinguishers; charged fire-extinguishing grenades		NRM	Fire control.	OECD	New Zealand

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
55.	381500	Reaction initiators, reaction accelerators and catalytic preparations, not elsewhere specified or included. (3815)		M/A			Canada
56.	3822	Reagents for water analysis.		WWM			European Communities
		Composite diagnostic or laboratory reagents, not elsewhere specified		M/A			Canada
57.	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)	CT/P			Canada
		Products, preparations and residual products of the chemical or allied industries, not elsewhere specified or included: other	Biodiesel			Biodiesel is renewable fuel derived from vegetable oils or animal fats, suitable as a diesel fuel substitute or diesel fuel additive or extender. The fuel can be used in standard compression-ignition (i.e. diesel) engines with small or no modifications. It is biodegradable, non-toxic, and essentially free of sulphur, aromatic hydrocarbons (such as carcinogenic benzene), and produces far less particulate matter during combustion.	OECD
			Oil spill dispersant chemicals	R/C	Chemicals (mixtures of surfactants and solvents) that convert oil on sea/water surface into small droplets that disperse in the water column to low concentration, reducing the impact on wildlife and speeding up natural decomposition processes.	OECD	
			Other chemical products and preparations of the chemical or allied industries, not elsewhere specified	Nitrification inhibitors	WWM	Nitrification inhibitors prevent nitrogen leaching from soil, fertiliser and/or urine from livestock, by restricting microbial conversion of ammonium to nitrate and hence to the gases nitrogen and nitrous oxide (nitrous oxide is a greenhouse gas).	OECD
		Ion-exchangers					European Communities
58.	391390	Natural polymers: Other: Chemical derivatives of natural rubber		EPP	Biodegradable and made from a renewable resource.	OECD	New Zealand
		Natural polymers (for example, alginic acid) and modified natural polymers (for example, hardened proteins, chemical derivatives of natural rubber), not elsewhere specified or included, in primary forms. - Other (not: - Alginic acid, its salts and esters).					Switzerland

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
59.	391400	Ion-exchangers		WWM			European Communities
		Ion-exchangers based on polymers of Nos 39.01 to 39.13 in primary forms		PWT	Ion exchange is widely used in household and industrial water purification to produce soft water and to remove poisonous (e.g. copper) and heavy metal (e.g. lead) ions from solution.	OECD	Canada New Zealand
60.	391510	Polyethylene waste and scrap		S/H			Canada
				WSU	Waste material that can be further utilised or recycled.	OECD	New Zealand
61.	391520	Polystyrene waste and scrap		S/H			Canada
				WSU	Waste material that can be further utilised or recycled.	OECD	New Zealand
62.	391530	Polyvinyl chloride waste and scrap		S/H			Canada
				WSU	Waste material that can be further utilised or recycled.	OECD	New Zealand
63.	391590	Other plastics waste and scrap		S/H			Canada
				WSU	Waste material that can be further utilised or recycled.	OECD	New Zealand
64.	391721	Tubes, pipes and hoses, rigid, of polymers of ethylene	Tubes, pipes and hoses, rigid, of polymers of ethylene (specifically Piping for methane gas removal/reuse, leachate collection, etc. from landfills)	S/H			United States
65.	391722	Tubes, pipes and hoses, rigid, polymers of propylene	Tubes, pipes and hoses, rigid, of polymers of propylene (specifically Piping for methane gas removal/reuse, leachate collection, etc. from landfills)	S/H			United States
66.	391723	Tubes, pipes and hoses, rigid, polymers of vinyl chloride	Tubes, pipes and hoses, rigid, of polymers of vinyl chloride (specifically Piping for methane gas removal/reuse, leachate collection, etc. from landfills)	S/H			United States
67.	3920	Plastic or paper sheeting for water and heat saving.		R/C	Plastic sheets for agriculture and horticulture, laid on the ground to retain the sun's heat, saving water and fertilisers and reducing infiltration into the groundwater.		European Communities
		Cellulose filters.		APC			
		Soundproof panels and screens for outdoor uses		N/V			

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
68.	392010	Plates, sheets, film, foil and strip of plastics, not self-adhesive, non-cellular, not reinforced or laminated etc., of polymers of ethylene	Other plates, sheets, film foil and strip, of plastics, noncellular and not reinforced, laminated, supported or similarly combined with other materials; of polymers of ethylene (specifically HDPE or flexible membrane landfill liners and/or covers for methane collection)	S/H			United States
		REP					
		Plastic geomembranes for soil protection, watertightness, anti-erosion of soil.		R/C	E.g. PVC or polyethylene plastic membrane systems to provide an impermeable base for landfill sites and protect soil under gas stations, oil refineries, etc. from infiltration by pollutants. Reinforcement of soil.		European Communities
69.	392020	Sheets and foils of polymeres of propylene.		S/H			European Communities
		Other plates, sheets, film, foil, strip of polymers of propylene (non-cellular)					Korea
70.	392043	Plastic geomembranes for soil protection, watertightness, anti-erosion of soil.		R/C	E. g. PVC or polyethylene plastic membrane systems to provide an impermeable base for landfill sites and protect soil under gas stations, oil refineries, etc. from infiltration by pollutants. Reinforcement of soil.		European Communities
71.	392049	Plastic geomembranes for soil protection, watertightness, anti-erosion of soil.		R/C	E. g. PVC or polyethylene plastic membrane systems to provide an impermeable base for landfill sites and protect soil under gas stations, oil refineries, etc. from infiltration by pollutants. Reinforcement of soil.		European Communities
72.	3921	Soundproof panels and screens for outdoor uses		N/V			European Communities
		Cellulose filters.		APC			
		Membranes for filters, of plastic, rubber or ceramics.		WWM			
73.	392112	Plastic geomembranes for soil protection, watertightness, anti-erosion of soil.		R/C	E.g. PVC or polyethylene plastic membrane systems to provide an impermeable base for landfill sites and protect soil under gas stations, oil refineries, etc. from infiltration by pollutants. Reinforcement of soil.		European Communities
74.	392113	Polyurethane foam.		APC			European Communities
75.	392290	Baths, shower-baths, sinks, wash-basins, bidets, seats and covers, flushing cisterns and similar sanitary ware, of plastics: other	For waterless urinals, composting toilets	CT/P	Waterless urinals and composting toilets minimise water use. Composting toilets also provide self contained sewage treatment on site, with no need for sewers and treatment plants. They also do not pollute ground or surface water or soil (unlike septic tanks or pit latrines) and produce safe, useful compost.	OECD	New Zealand
		Baths, shower-baths, sinks, wash-basins, bidets, lavatory pans, seats and covers, flushing cisterns and similar sanitary ware, of plastics. - Other.		EPP			Switzerland

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
76.	392330	Carboys, bottles, flasks and similar articles	Refillable plastic cartridge used in waterless urinals	CT/P	Waterless urinals do not need to be flushed with water, minimising water use.	OECD	New Zealand
		Articles for the conveyance or packing of goods, of plastics; stoppers, lids, caps and other closures, of plastics. - Carboys, bottles, flasks and similar articles.	For waterless urinals, composting toilets	EPP			Switzerland
77.	392510	Solar collector and solar system controller: Solar pre-heating storage tank.		REP			European Communities
		Flexible tanks for the storage of recovered oil or chemicals.		R/C			
78.	392690	Other articles of plastics and articles of other materials of headings 3901 to 3914; other	Bio-film medium that consists of woven fabric sheets that facilitate the growth of bio-organisms; rotating biological contactor consisting of stacks of large (HDPE) plates that facilitate the growth of bio-organisms	WWM			Korea
			Biological recovery systems. Commonly used in bioremediation of wastewater, to facilitate the growth of the micro-organisms that break down the contaminants.		OECD APEC	New Zealand	
		Articles of plastics, not elsewhere specified or included	Other articles of plastics and articles of other materials of headings 3901 to 3914; other (specifically Biofilm medium that consists of woven fabric sheets that facilitate the growth of bio-organisms; 2) rotating biological contactor consisting of stacks of large HDPE plates that facilitate the growth of bio-organisms)			OECD APEC	United States
			Other articles of plastics and articles of other materials of headings 3901 to 3914; other (specifically Rotating biological contactor consisting of stacks of large HDPE plates that facilitate the growth of bio-organisms)			OECD APEC	
			Bio-film medium				
			Rotating biological contactor (HDPE)				Chinese Taipei
	Pollution protection booms, oil containment booms, oil absorbent booms.		R/C		European Communities		
79.	400300	Reclaimed rubber in primary forms or in plates, sheets or strip		WSU	Waste material that can be further utilised or recycled.	OECD	New Zealand
80.	400400	Waste, parings and scrap of rubber (other than hard rubber) and powders and granules obtained therefrom		WSU	Waste material that can be further utilised or recycled.	OECD	New Zealand
81.	4001	Natural rubber, balata, gutta-percha, guayule, chicle and similar natural gums, in primary forms or in plates, sheets or strip.		EPP			Switzerland
82.	401150	New pneumatic tyres, of rubber. - Of a kind used on bicycles.		EPP			Switzerland
83.	401320	Inner tubes, of rubber. - Of a kind used on bicycles.		EPP			Switzerland
84.	401699	Membranes for filters, of plastic, rubber or ceramics.		APC			European Communities
		Aeration systems and aerators.		WWM			

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
86.	440130	Sawdust and wood waste and scrap, whether or not agglomerated in logs, briquettes, pellets or similar forms		WSU	Waste material that can be further utilised or recycled.	OECD	New Zealand
87.	4421	Composting systems of organic matter: - Containers and silos of, wood or metals.		S/H			European Communities
88.	4504	Panels, boards, tiles, blocks and similar articles of agglomerated cork		N/V			European Communities
89.	4504	Agglomerated cork (with or without a binding substance) and articles of agglomerated cork.		EPP			Switzerland
90.	460120	Mats, matting, and screens of vegetable materials	Mats, matting, and screens of vegetable materials (specifically Ecologically Safe ground covers (Biodegradable))	RM	Erosion control matting can reduce erosion and assist the establishment of vegetation. When made of organic materials such as jute, wood, coir (coconut husk), straw, the matting is biodegradable. Ground covers can be used for environmentally friendly weed control.	APEC	United States
			Mats, matting, and screens of vegetable materials (specifically Erosion control matting (biodegradable))	WWM			
			Erosion control matting (biodegradable), ecologically safe ground covers (biodegradable)	SC			
			Erosion control matting (biodegradable)				
		Erosion control matting, biodegradable	R/C		Canada		
		Plaits and similar products of plaiting materials, whether or not assembled into strips; plaiting materials, plaits and similar products of plaiting materials, bound together in parallel strands or woven, in sheet form, whether or not being finished articles (for example, mats, matting, screens). - Mats, matting and screens of vegetable materials.	For soil protection purposes	EPP		Switzerland	
91.	470610	Pulps of fibres derived from recovered fibrous cellulosic material, not chemically treated.		HEP	Contributes to the recovery of waste products. Includes pulps of jute, flax, true hemp, sisal, etc.		European Communities
92.	470691	Pulps of fibres derived from recovered fibrous cellulosic material, not chemically treated.		HEP	Contributes to the recovery of waste products. Includes pulps of jute, flax, true hemp, sisal, etc.		European Communities
93.	470710	Recovered (waste and scrap) paper or paperboard		S/H			Canada
				WSU	Waste material that can be further utilised or recycled.	OECD	New Zealand
94.	48	Paper and paperboard; articles of paper pulp, of paper or of paperboard	Recycled Paper	CT/P			Japan
95.	480540	Filter paper and paperboard; Filter blocks, slabs and plates, of paper pulp.		APC			European Communities
96.	4812	Filter paper and paperboard; Filter blocks, slabs and plates, of paper pulp.		APC			European Communities

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
97.	481930	Waste containers, whether or not combined with a compactor.		S/H	Containers of any material, of any form, for liquid or solid waste, including for municipal or dangerous waste.		European Communities
98.	481940	Waste containers, whether or not combined with a compactor.		S/H	Containers of any material, of any form, for liquid or solid waste, including for municipal or dangerous waste.		European Communities
99.	482370	Oil absorbent materials and kits of recycled paper and wood fibres, including in compressed format.		R/C			European Communities
100.	500500	Yarn spun from silk waste, not put up for retail sale		WSU	Waste material that can be further utilised or recycled.	OECD	New Zealand
101.	500600	Silk yarn and yarn spun from silk waste, put up for retail sale; silk-worm gut		WSU	Waste material that can be further utilised or recycled.	OECD	New Zealand
102.	Chapter 53, excluding paper yarn and woven fabrics of paper yarn (ex 530890 and 531100)	Vegetable textile fibres: vegetable textile fibres and articles thereof (yarn and woven fabrics) of Chapter 53		HEP	Includes vegetable fibres such as flax, hemp, jute, sisal, coconut, abaca and ramie. These fibres are a renewable resource; they require low input of energy, fertilisers and crop protection chemicals; their total carbon dioxide balance is neutral to positive and they are fully biodegradable.		European Communities
103.	5301	Flax, raw or processed but not spun; flax tow and waste (including yarn waste and garnetted stock)		EPP			Switzerland
104.	5303	Jute and other textile bast fibres (excluding flax, true hemp and ramie), raw or processed but not spun; tow and waste of these fibres (including yarn waste and garnetted stock).		EPP			Switzerland
105.	5304	Sisal and other textile fibres of the genus Agave, raw or processed but not spun; tow and waste of these fibres (including yarn waste and garnetted stock).		EPP			Switzerland
106.	530410	Sisal other textile fibres of the genus agave raw		EPP			United States
107.	530490	Sisal other textile fibres of the genus agave, tow waste not spun, other		EPP			United States
108.	5306	Flax yarn.		EPP			Switzerland
109.	5307	Yarn of jute or of other textile bast fibres of heading 53.03.		EPP			Switzerland
110.	530890	Yarn of vegetable textile fibers; not elsewhere specified or included		EPP			United States
111.	5309	Woven fabrics of flax.		EPP			Switzerland
112.	5310	Woven fabrics of jute or of other textile bast fibres of heading 53.03.		EPP			Switzerland
113.	560229	Felt, whether or not impregnated, coated, covered or laminated, cut to size; Mattresses made of synthetic materials, for soundproofing.		N/V			European Communities
114.	560290	Felt, whether or not impregnated, coated, covered or laminated, cut to size; Mattresses made of synthetic materials, for soundproofing.		N/V			European Communities



ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER	
115.	5603	Felt, whether or not impregnated, coated, covered or laminated, cut to size; Mattresses made of synthetic materials, for soundproofing.		N/V			European Communities	
		Textile filters (sacks and other filtering products).		APC				
		Absorbant articles made of non-wovens, in the forms of sheets, rolls, pads, pillows, sweeps.		R/C				
116.	560314	Landfill drainage mats, made of non-wovens, whether or not impregnated, coated, covered or laminated, of man-made filaments, of a weight exceeding 150 g/m².		S/H	For leachate or gas landfill drainage.		European Communities	
		Fabric of polyethylene/polypropylene/ nylon for filtering waste water.		WWM			Korea	
		Non-wovens, whether or not impregnated, coated, covered or laminated: of manmade filaments; weighing more than 150 g/m2	Fabric of polyethylene, polypropylene, or nylon for filtering wastewater					United States
		Non-wovens of manmade filaments; weighing > 150 g/m2	Non-wovens, whether or not impregnated, coated, covered or laminated: of manmade filaments; weighing more than 150 g/m2 (specifically Fabric of polyethylene/polypropylene/nylon for filtering wastewater.)			APEC		
			Filter cloth (PE, PP, Nylon)				Chinese Taipei	
			Filter bag (sleeve)		APC			
	Pollution protection booms, oil containment booms, oil absorbent booms.		R/C		European Communities			
117.	560710	Twine, cordage, ropes and cables of jute or other textile bast fibres		EPP	More biodegradable than synthetic fibre alternatives and made from a renewable resource.	OECD	New Zealand	
		Twine, cord, rope and cable of jute or other textile bast				UNCT AD	United States	
		Twine, cordage, ropes and cables, whether or not plaited or braided and whether or not impregnated, coated, covered or sheathed with rubber or plastics. - Of jute or other textile bast fibres of heading 53.03.					Switzerland	
118.	560721	Twine, cordage, ropes and cables of sisal or other textile fibres of the genus Agave		EPP	More biodegradable than synthetic fibre alternatives and made from a renewable resource.	OECD	New Zealand	
		Twine cord rope cable of sisal binder or baler twine					United States	
119.	560729	Twine, cord, rope and cable, of sisal fibres, not elsewhere specified or included		EPP			United States	
		Twine, cordage, ropes and cables, whether or not plaited or braided and whether or not impregnated, coated, covered or sheathed with rubber or plastics. - Of sisal or other textile fibres of the genus Agave : -- Other (not: - Binder or baler twine).				Switzerland		
120.	5608	Knotted netting of twine, cordage or rope; made up fishing nets and other made up nets, of textile materials.		EPP			Switzerland	

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
121.	560811	Made-up fishing nets, manmade textile materials	Made-up fishing nets, manmade textile materials (specifically made up fishing nets that incorporate turtle excluder devices)	RM			United States
122.	560890	Knot net of twine made-up fish net textile materials not elsewhere specified or included	Fish netting and fishing nets of other than man-made textile. Made up fishing nets that incorporate turtle excluder devices.	RM			United States
123.	580190	Woven pile and chenille fabrics of other textile materials		WWM	Used as filters in sewage treatment.	OECD	Korea New Zealand
124.	591190	Textile filters (sacks and other filtering products).		APC			European Communities
		Textile products and articles, for technical uses, specified in note 7 to this chapter; other	Environmental protection cloth				Korea
		Textile products etc for technical uses not elsewhere specified or included	Textile products and articles, for technical uses, specified in note 7 to this chapter; other (specifically materials)	WWM		APEC	United States
125.	6210	Personal protective clothing and accessories (clothing, gloves, boots, helmets)		R/C			European Communities
126.	630510	Sacks and bags, of a kind used for the packing of goods of jute or of other textile bast fibres		EPP	More biodegradable than synthetic fibre alternatives and made from a renewable resource.	OECD	New Zealand
		Sack and bag for packing good jute/bast fibre of heading 5303				UNCT AD	United States
		Sacks and bags, of a kind used for the packing of goods. - Of jute or of other textile bast fibres of heading 53.03.					Switzerland
127.	630710	Absorbant articles made of non-wovens, in the forms of sheets, rolls, pads, pillows, sweeps.		R/C			European Communities
128.	630790	Absorbant articles made of non-wovens, in the forms of sheets, rolls, pads, pillows, sweeps.		R/C			European Communities
129.	630900	Worn clothing and other worn articles		RS			Japan
130.	6310	Used or new rags, scrap twine, cordage, rope and cables and worn out articles of twine, cordage, rope or cables, of textile materials		RS			Japan
131.	650610	Other headgear, whether or not lined or trimmed. - Safety headgear.	Bicycle helmets.	CT/P			Switzerland
132.	6806	Slag wool, rock wool and similar mineral wools; exfoliated vermiculite, expanded clays, foamed slag and similar expanded mineral materials; mixtures and articles of heat-insulating, sound-insulating or sound-absorbing mineral materials, other than those of heading 6811 or 6812 or of Chapter 69.		N/V			European Communities

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
133.	6808	Panels, boards, tiles, blocks and similar articles of vegetable fibre, of straw or of shavings, chips, particles, sawdust and other waste of wood, agglomerated with cement, plaster or other mineral binders, used for soundproofing and thermal insulation.		N/V	Includes insulation articles made of wood waste, coir, true hemp, reed, etc.		European Communities
		Panels, boards, tiles, blocks and similar articles of vegetable fibre, of straw or of shavings, chips, particles, sawdust or other waste, of wood, agglomerated with cement, plaster or other mineral binders		WSU	Waste material that can be further utilised or recycled.	OECD	New Zealand
134.	681091	Cisterns, vats and reservoirs for drinking water, for households or industry, including for rainwater, made of plastic, concrete or metal.		WWM			European Communities
		Pipes for drinking water, wastewater and sea manhole, and accessories thereof.					
		Gutters of concrete or polymers, and related articles (manhole cover, of cast iron or steel, filters, etc).					
		Septic tanks and other vats and reservoirs for wastewater treatment					
135.	681099	Articles of cement, of concrete or of artificial stone not elsewhere specified		S/H			Canada
		Articles of cement, of concrete or of artificial stone, whether or not reinforced; Other					Japan
							Korea
136.	690210	Refractory bricks etc not elsewhere specified or included, over 50% MgO, CaO or Cr2O3	Refractory bricks, blocks, tiles and similar refractory ceramic constructional goods, other than those of siliceous fossil meals or similar siliceous earths; containing by weight, singly or together, more than 50% of the elements Mg, Ca or Cr, expressed as MgO, CaO or Cr2O3 (specifically Industrial incineration)	M/A		APEC	United States
				S/H			
137.	690220	Refractory bricks etc not elsewhere specified or included, over 50% Al2O3 or SiO2	Refractory bricks, blocks, tiles and similar refractory ceramic constructional goods, other than those of siliceous fossil meals or similar siliceous earths; containing by weight more than 50% of alumina (Al2O3), of silica (SiO2) or of a mixture or compound of these products (specifically Industrial incineration)	M/A		APEC	United States
				S/H			
138.	690290	Refractory bricks etc not elsewhere specified or included	Refractory bricks, blocks, tiles and similar refractory ceramic constructional goods, other than those of siliceous fossil meals or similar siliceous earths; other (specifically Industrial incineration)	M/A		APEC	United States
				S/H			

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
139.	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	M/A	Equipment used in the measurement, recording, analysis and assessment of environmental samples (e.g. for contaminants) or environmental impact.	APEC	Canada
		Other refractory ceramic goods (for example, retorts, crucibles, muffles, nozzles, plugs, supports, cupels, tubes, pipes, sheaths and rods), other than those of siliceous fossil meal or of similar siliceous earths; containing by weight more than 50% of graphite or other carbon or of a mixture of these products					Korea
		Other refractory ceramic goods with graphite/carbon over 50%					United States
		Other refractory ceramic goods (for example, retorts, crucibles, muffles, nozzles, plugs, supports, cupels, tubes, pipes, sheaths and rods), other than those of siliceous fossil meal or of similar siliceous earths; containing by weight more than 50% of graphite or other carbon or of a mixture of these products (specifically Laboratory refractory equipment)					
140.	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	M/A	Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	APEC	Canada
		Other refractory ceramic goods (for example, retorts, crucibles, muffles, nozzles, plugs, supports, cupels, tubes, pipes, sheaths and rods), other than those of siliceous fossil meal or of similar siliceous earths; containing by weight more than 50% of alumina (Al <sub>2</sub> O <sub>3</sub> ) or of a mixture or compound of alumina and silica (SiO <sub>2</sub> )					Korea
		Other refractory ceramic goods not elsewhere specified alumina/silica over 50%					United States
		Other refractory ceramic goods (for example, retorts, crucibles, muffles, nozzles, plugs, supports, cupels, tubes, pipes, sheaths and rods), other than those of siliceous fossil meal or of similar siliceous earths; containing by weight more than 50% of alumina (Al <sub>2</sub> O <sub>3</sub> ) or of a mixture or compound of alumina and silica (SiO <sub>2</sub> ) (specifically Laboratory refractory equipment)					

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
141.	690390	Other refractory ceramic goods (e.g. retorts, crucibles, muffles, nozzles, plugs, supports, cupels, tubes, pipes, sheaths, rods) – other	Laboratory refractory equipment	M/A			Canada
		Other refractory ceramic goods (for example, retorts, crucibles, muffles, nozzles, plugs, supports, cupels, tubes, pipes, sheaths and rods), other than those of siliceous fossil meal or of similar siliceous earths; other				Korea	
		Refractory ceramic goods (retort, plug etc) not elsewhere specified or included	Other refractory ceramic goods (for example, retorts, crucibles, muffles, nozzles, plugs, supports, cupels, tubes, pipes, sheaths and rods), other than those of siliceous fossil meal or of similar siliceous earths; other (specifically Laboratory refractory equipment)		Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	APEC	New Zealand
						United States	
142.	6906	Pipes for drinking water, wastewater and sea manhole, and accessories thereof.		WWM			European Communities
143.	6909	Membranes for filters, of plastic, rubber or ceramics.		WWM			European Communities
				APC		European Communities	
144.	690919	Other ceramic wares for chemical or other technical uses	Laboratory refractory equipment	M/A			Canada
		Ceramic wares for laboratory, chemical or other technical uses; ceramic troughs, tubs and similar receptacles of a kind used in agriculture; ceramic pots, jars and similar articles of a kind used for the conveyance or packing of goods; other	Laboratory equipment				Japan
		Ceramic wares for laboratory, chemical or other technical uses; other			Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	APEC	New Zealand
		Ceramic wares for laboratory etc use, not elsewhere specified or included	Ceramic wares for laboratory, chemical or other technical uses; other (specifically Laboratory Equipment)				United States
145.	6910	Water closet pans and flushing cisterns, urinals.		WWM	Includes dry closets.		European Communities
146.	691010	Ceramic sinks, wash basins, wash basin pedestals, baths, bidets, water closet pans, flushing cisterns, urinals and similar sanitary fixtures: other	For waterless urinal, composting toilet	CT/P	Waterless urinals and composting toilets minimise water use. Composting toilets also provide self contained sewage treatment on site, with no need for sewers and treatment plants. The also do not pollute ground or surface water or soil (unlike septic tanks or pit latrines) and produce safe, useful compost.	OECD	New Zealand
147.	691410	Other ceramic articles. - Of porcelain or china.	Linings for wood burning stoves of porcelain or china, stoves of porcelain and china.	EPP			Switzerland
148.	691490	Other ceramic articles. - Other.	Linings for wood burning stoves of ceramics other than porcelain or china, ceramic stoves other than of porcelain and china.	EPP			Switzerland
149.	700100	Cullet and other waste and scrap of glass; glass in the mass		WSU	Waste material that can be further utilised or recycled.	OECD	New Zealand

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
150.	700800	Multiple walled insulating units of glass		N/V	For soundproofing and thermal insulation of buildings.		European Communities
				M/A			Canada
				H/EM	Insulation such as double glazing reduces energy use for heating or cooling.		Japan
						OECD	New Zealand
151.	701710	Laboratory, hygienic or pharmaceutical glassware, whether or not graduated or calibrated; of fused quartz or other fused silica		M/A	Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	APEC	Canada
							Korea
		Laboratory, hygienic or pharmaceutical glassware; of fused quartz or other fused silica		S/H			New Zealand
							United States
152.	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		M/A	Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	APEC	Japan
							Canada
		Laboratory, hygienic or pharmaceutical glassware; a linear coefficient NOV $5 \times 10^{-6}$ not elsewhere specified		S/H			New Zealand
							United States
153.	701790	Laboratory, hygienic or pharmaceutical glassware, whether or not graduated or calibrated; other		M/A		APEC	Canada
		Laboratory, hygienic or pharmaceutical glassware, not elsewhere specified or included		S/H			United States
							Japan
154.	701932	Non-woven product of non-textile glass fiber.		APC	Boards or rolls of glass fiber for the manufacture of air filters.		European Communities
		Thin sheets, webs, mattresses, boards and similar non-woven products of glass fibres, including glass wool.		N/V	For soundproofing and thermal insulation of buildings.		
155.	701939	Non-woven product of non-textile glass fiber.		APC	Boards or rolls of glass fiber for the manufacture of air filters.		European Communities
		Thin sheets, webs, mattresses, boards and similar non-woven products of glass fibres, including glass wool.		N/V	For soundproofing and thermal insulation of buildings.		
156.	701990	Glass fibres other than slivers, rovings, yarn, chopped strands, webs, mats, thin sheets, mattresses, boards and similar nonwoven products	Separators, precipitators	APC			Japan
		Glass fibres (including glass wool) and articles thereof (for example, yarn, woven fabrics): other				Fibreglass products used in industrial air pollution control equipment (separators, precipitators, tanks, pipe systems, scrubbers).	OECD
		Personal protective clothing and accessories (clothing, gloves, boots, helmets)		R/C			European Communities

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
157.	70199030	Pads and casings for insulating tubes and pipes.		N/V			European Communities
158.	720110	Pig iron, non-alloy, containing by weight $\leq 0.5\%$ phosphorus in primary form		S/H			Canada
159.	720421	Stainless steel waste and scrap		S/H			Canada
				WSU	Waste material that can be further utilised or recycled.	OECD	New Zealand
160.	720429	Waste and scrap, of alloy steel, other than stainless		S/H			Canada
				WSU	Waste material that can be further utilised or recycled.	OECD	New Zealand
161.	720430	Waste and scrap, of tinned iron or steel		S/H			Canada
				WSU	Waste material that can be further utilised or recycled.	OECD	New Zealand
162.	720441	Ferrous waste and scrap, iron or steel, from the mechanical working of metal, not elsewhere specified		S/H			Canada
				WSU	Waste material that can be further utilised or recycled.	OECD	New Zealand
163.	720450	Remelting scrap ingots, of iron or steel		S/H			Canada
				WSU	Waste material that can be further utilised or recycled.	OECD	New Zealand
164.	7302	Railway or tramway track construction material of iron or steel, the following: rails, check-rails and rack rails, switch blades, crossing frogs, point rods and other crossing pieces, sleepers (cross-ties), fish-plates, chairs, chair wedges, sole plates (base plates), rail clips, bedplates, ties and other material specialized for jointing or fixing rails.		CT/P			Switzerland
165.	7303	Pipes for drinking water, wastewater and sea manhole, and accessories thereof.		WWM			European Communities
166.	730410	Bio-electricity and bio-heat from waste: See product examples under category S/H – "Waste treatment and disposal, including recycling" for combustion/incineration and landfill gas production from waste. (See TN/TE/W/56, pp. 5-6)		REP	Biomass exploitation needs careful resource management if it is to be sustainable. Since practice can vary, examples chosen for this list focus on waste recovery (agricultural and forestry residues, biodegradable fraction of municipal solid waste).		European Communities
167.	730431 to 730490	Pipes for water distribution and wastewater draining, and accessories thereof.		WWM	Includes pipes for sanitation, aspiration, feeding, canalisation, draining, etc.		European Communities
168.	730510	Bio-electricity and bio-heat from waste: See product examples under category S/H – "Waste treatment and disposal, including recycling" for combustion/incineration and landfill gas production from waste. (See TN/TE/W/56, pp. 5-6)		REP	Biomass exploitation needs careful resource management if it is to be sustainable. Since practice can vary, examples chosen for this list focus on waste recovery (agricultural and forestry residues, biodegradable fraction of municipal solid waste).		European Communities
169.	730610	Bio-electricity and bio-heat from waste: See product examples under category S/H – "Waste treatment and disposal, including recycling" for combustion/incineration and landfill gas production from waste. (See TN/TE/W/56, pp. 5-6)		REP	Biomass exploitation needs careful resource management if it is to be sustainable. Since practice can vary, examples chosen for this list focus on waste recovery (agricultural and forestry residues, biodegradable fraction of municipal solid waste).		European Communities
170.	730630 to 730690	Pipes for water distribution and wastewater draining, and accessories thereof.		WWM	Includes pipes for sanitation, aspiration, feeding, canalisation, draining, etc.		European Communities

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER	
171.	7307	Pipes for water distribution and wastewater draining, and accessories thereof.		WWM	Includes pipes for sanitation, aspiration, feeding, canalisation, draining, etc.		European Communities	
		Pipes for drinking water, wastewater and sea manhole, and accessories thereof.						
		Tube or pipe fittings (for example, couplings, elbows, sleeves), of iron or steel.	For railway.	CT/P			Switzerland	
172.	7308	Structures (excluding prefabricated buildings of heading 94.06) and parts of structures (for example, bridges and bridge-sections, lock-gates, towers, lattice masts, roofs, roofing frame-works, doors and windows and their frames and thresholds for doors, shutters, balustrades, pillars and columns), of iron or steel; plates, rods, angles, shapes, sections, tubes and the like, prepared for use in structures, of iron or steel.	For railway.	CT/P			Switzerland	
173.	730820	Towers and lattice masts of iron or steel		REP			United States	
		Wind turbine: Wind turbine tower.					European Communities	
174.	730900	Tanks etc, over 300 litres capacity, iron or steel	Reservoirs, tanks, vats and similar containers for any material (other than compressed or liquefied gas), of iron or steel, of a capacity exceeding 300 liters, whether or not lined or heat insulated, but not fitted with mechanical or thermal equipment (specifically Tanks or vats for anaerobic digesters for biomass gasification)	REP		OECD	United States	
		Solar collector and solar system controller: Solar pre-heating storage tank.						
		Waste containers, whether or not combined with a compactor.		S/H	Containers of any material, of any form, for liquid or solid waste, including for municipal or dangerous waste.			European Communities
		Cisterns, vats and reservoirs for drinking water, for households or industry, including for rainwater, made of plastic, concrete or metal.		WWM				
		Septic tanks and other vats and reservoirs for wastewater treatment						
		Reservoirs, tanks, vats and similar containers, capacity >300L, iron or steel (ex liq/compr gas type)				Canada		
Reservoirs, tanks, vats and similar containers, of iron or steel, > 300 litres			Korea					



ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
175.	731010	Tanks, casks, drums, cans, boxes and similar containers, of iron or steel, for any material, of a capacity of $\geq 50$ l but $\leq 300$ l, not elsewhere specified (excl. containers for compressed or liquefied gas, or containers fitted with mechanical or thermal equipment, products)		WWM			Canada
		Tanks, casks, drums, cans, boxes, of iron or steel, capacity $>50$ litres $<300$ litres					Korea
		Tanks, casks, drums, cans, boxes and similar containers, of iron or steel, for any material (other than compressed or liquefied gas), of a capacity of $\geq 50$ l but $\leq 300$ l, whether or not lined or heat insulated, but not fitted with mechanical or thermal equipment			For handling and storage of wastewater/sewage during treatment	OECD	New Zealand
		Composting systems of organic matter: - Containers and silos of, wood or metals.		S/H			European Communities
		Waste containers, whether or not combined with a compactor.			Containers of any material, of any form, for liquid or solid waste, including for municipal or dangerous waste.		
176.	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)		WWM			Canada
		Cans which are to be closed by soldering or crimping, capacity less 50L					Korea
177.	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)		WWM			Canada
		Other cans which are to be closed by soldering or crimping, capacity less 50L					Korea
		Waste containers, whether or not combined with a compactor.		S/H	Containers of any material, of any form, for liquid or solid waste, including for municipal or dangerous waste.		European Communities
178.	7312	Stranded wire, ropes, cables, plaited bands, slings and the like, of iron or steel, not electrically insulated.	For railway.	CT/P			Switzerland
179.	731412	Filters made of steel cloth.		APC			European Communities
180.	731511	Chain and parts thereof, of iron or steel. - Articulated link chain and parts thereof: - Roller chain.	Bicycle chain.	CT/P			Switzerland
181.	7317	Nails, tacks, drawing pins, corrugated nails, staples (other than those of heading 83.05) and similar articles, of iron or steel, whether or not with heads of other material, but excluding such articles with heads of copper.	Railway use.	CT/P			Switzerland
182.	7318	Screws, bolts, nuts, coach screws, screw hooks, rivets, cotters, cotter-pins, washers (including spring washers) and similar articles, of iron or steel.	Railway use.	CT/P			Switzerland

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
183.	732111	Stoves, ranges, grates, cookers (including those with subsidiary boilers for central heating), barbecues, braziers, gas-rings, plate warmers and similar non-electric domestic appliances, and parts thereof, of iron or steel. - Cooking appliances and plate warmers: - For gas fuel or for both gas and other fuels.	Solar stoves.	EPP			Switzerland
184.	732190	Stoves, ranges, grates, cookers (including those with subsidiary boilers for central heating), barbecues, braziers, gas-rings, plate warmers and similar non-electric domestic appliances, and parts thereof, of iron or steel. - Parts.	As applicable to solar stoves.	EPP			Switzerland
185.	732490	Water closet pans and flushing cisterns, urinals.		WWM	Includes dry closets.		European Communities
		Water saving shower.					
186.	732510	Cast articles of non-malleable cast iron not elsewhere specified		S/H			Canada
		Other cast articles of iron or steel; of non-malleable cast iron		WWM			Japan
		Other cast articles of non-malleable cast iron					Korea
		Gutters of concrete or polymers, and related articles (manhole cover, of cast iron or steel, filters, etc).					European Communities
187.	732599	Gutters of concrete or polymers, and related articles (manhole cover, of cast iron or steel, filters, etc).		WWM			European Communities
188.	732690	Gutters of concrete or polymers, and related articles (manhole cover, of cast iron or steel, filters, etc).		WWM			European Communities
189.	740400	Copper waste and scrap		S/H			Canada
				WSU	Waste material that can be further utilised or recycled.	OECD	New Zealand
190.	750300	Nickel waste and scrap		WSU	Waste material that can be further utilised or recycled.	OECD	New Zealand
191.	760200	Aluminium waste and scrap		S/H			Canada
				WSU	Waste material that can be further utilised or recycled.	OECD	New Zealand
192.	761100	Tanks etc, over 300 litres capacity, aluminium	Aluminium reservoirs, tanks, vats and similar containers for any material (other than compressed or liquefied gas), of iron or steel, of a capacity exceeding 300 liters, whether or not lined or heat insulated, but not fitted with mechanical or thermal equipment (specifically tanks or vats for anaerobic digesters for biomass gasification)	REP			United States
		Solar collector and solar system controller: Solar pre-heating storage tank.					
		Cisterns, vats and reservoirs for drinking water, for households or industry, including for rainwater, made of plastic, concrete or metal.		WWM			European Communities

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
193.	761290	Waste containers, whether or not combined with a compactor.		S/H	Containers of any material, of any form, for liquid or solid waste, including for municipal or dangerous waste.		European Communities
194.	780600	Other articles of lead		S/H			Japan
195.	790200	Zinc waste and scrap		WSU	Waste material that can be further utilised or recycled.	OECD	New Zealand
196.	830110	Padlocks and locks (key, combination or electrically operated), of base metal; clasps and frames with clasps, incorporating locks, of base metal; keys for any of the foregoing articles, of base metal. - Padlocks.	For bicycle use	EPP	Multiple use.		Switzerland
197.	830160	Padlocks and locks (key, combination or electrically operated), of base metal; clasps and frames with clasps, incorporating locks, of base metal; keys for any of the foregoing articles, of base metal. - Parts.	For bicycle use	EPP	Multiple use.		Switzerland
198.	830170	Padlocks and locks (key, combination or electrically operated), of base metal; clasps and frames with clasps, incorporating locks, of base metal; keys for any of the foregoing articles, of base metal. - Keys presented separately.	For bicycle use	EPP	Multiple use.		Switzerland
199.	830610	Bells, gongs and the like, non-electric, of base metal; statuettes and other ornaments, of base metal; photograph, picture or similar frames, of base metal; mirrors of base metal. - Bells, gongs and the like.	Bicycle bells.	CT/P			Switzerland
200.	8402	Distilling or rectifying plant, including biogas refinement equipment. - Biomass boilers and parts thereof; Auxiliary plant and condensers for use with these boilers.		S/H			European Communities
201.	840211	Watertube boilers steam production exceeding 45 tons of steam per hour		REP			United States
202.	840212	Watertube boilers steam production not exceeding 45 tons of steam per hour		REP			United States
203.	840219	Vapor generating boilers, not elsewhere specified or included hybrid		REP			United States
204.	840220	Super-heated water boilers		REP			United States
205.	840290	Super-heated water boilers and parts of steam generating boilers		REP			United States
206.	8403	Distilling or rectifying plant, including biogas refinement equipment. - Biomass boilers and parts thereof; Auxiliary plant and condensers for use with these boilers.		S/H			European Communities
207.	8404	Distilling or rectifying plant, including biogas refinement equipment. - Biomass boilers and parts thereof; Auxiliary plant and condensers for use with these boilers.		S/H			European Communities

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
208.	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		APC			Canada
		Auxiliary plant for use with boilers of heading No. 84.02 or 84.03					Japan
		Auxiliary plant for use with boilers of heading No. 8402 or 8403 (for example, economizers, super-heaters, soot removers, gas recoverers)	Economizer				Korea
			Super heater				
			Soot recoverer				
		Gas recoverer					
Auxiliary plant for use with boilers of heading No. 8402 or 8403 (for example, economizers, super-heaters, soot removers, gas recoverers); condensers for steam or other vapour power units; auxiliary plant for use with boilers of heading No. 84.02 or 84.03			Components of industrial air pollution control plant which minimise the release of pollutants into the atmosphere.	APEC	New Zealand		
Auxiliary plant for steam, water and central boiler				REP		United States	
209.	840420	Condensers for steam or other vapour power units		APC			Canada
							Japan
					Used to cool gas streams to temperatures which allow the removal of contaminants, e.g. volatile organic compounds (VOC) like benzene.	APEC	New Zealand
						United States	
				REP			
210.	840490	Parts for auxiliary plant for boilers, condensers for steam, vapour power unit.		REP			United States
211.	840510	Producer gas or water gas generators, with or without their purifiers; acetylene gas generators and similar water process gas generators, with or without their purifiers	Include only those with purifiers	APC			Canada
						Japan	
		Producer gas, water gas, acetylene gas, water process gas generators	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 (specifically include only those with purifiers)		Purifiers remove contaminants (such as cyanide or sulphur compounds) produced in the manufacture of gases.		Korea
				APEC			New Zealand
							United States
212.	840681	Turbines, steam and other vapour, over 40 MW, not elsewhere specified or included	Stationary steam turbines over 40 MW	REP			United States
213.	840682	Turbines, steam and vapour, not over 40 MW, not elsewhere specified or included	Stationary steam turbines not over 40 MW	REP			United States
			Other vapour turbines				

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER	
214.	840690	Parts for steam and other vapour turbines	Parts suitable for use with stationary steam turbines over 40MW, stationary steam turbines not over 40 MW, other vapour turbines.	REP			United States	
215.	840790	Gas engine for the use of special gases (landfill gas, biogas, gas resulting from industrial processes).		S/H			European Communities	
216.	840991	Parts suitable for use solely or principally with the engines of heading No. 84.07 or 84.08	Industrial mufflers	N/V		OECD APEC	Japan	
		Parts suitable for use solely or principally with the engines of heading No. 8407 or 8408; suitable for use solely or principally with spark-ignition internal combustion piston engines					Korea	
		Spark-ignition internal combustion piston engines piston not elsewhere specified or included	Parts suitable for use solely or principally with the engines of heading No. 8407 or 8408; suitable for use solely or principally with spark-ignition internal combustion piston engines. (specifically Industrial Mufflers)				United States	
			Industrial mufflers				Industrial mufflers are used for reducing engine noise; the environmental benefit is readily apparent.	Chinese Taipei
		Silencers for engines.						European Communities
217.	840999	Silencers for engines.		N/V			European Communities	
		Parts suitable for use solely or principally with spark-ignition internal combustion piston engines	Industrial mufflers				Japan	
		Parts suitable for use solely or principally with the engines of heading No. 8407 or 8408; other	Vehicle mufflers				Korea	
		Spark-ignition reciprocating internal combustion piston engines, parts	Parts suitable for use solely or principally with the engines of heading No. 8407 or 8408; other (specifically Industrial Mufflers)	APC	OECD APEC	United States		
218.	841011	Hydraulic turbines and water wheels of a power not exceeding 1,000 kW		RM			Japan	
				WWM			Korea	
					Used in hydroelectric power generation, which produces no greenhouse gas emissions.	APEC	New Zealand	
		Small hydro powered generating plant: hydraulic turbines and water wheels of a power not exceeding 1000 kW and parts thereof			OECD APEC	United States		
		Hydraulic turbines elsewhere specified and water wheels of a power not exceeding 1,000 kW			REP	Due to their negative environmental impact, large hydro-power plants are excluded from this category. The economic potential of small hydro power plants (<10MW), if correctly planned, is far more important.		European Communities
							Canada	

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
219.	841012	Hydraulic turbines elsewhere specified and water wheels of a power exceeding 1,000 kW but not exceeding 10,000 kW		REP			Canada
		Hydraulic turbines and water wheels of a power exceeding 1,000 kW but not exceeding 10,000 kW			Used in hydroelectric power generation, which produces no greenhouse gas emissions.	APEC	New Zealand
					OECD APEC	United States	
					RM	Japan	
		WWM		Korea			
220.	841013	Hydraulic turbines elsewhere specified and water wheels of a power exceeding 10,000 kW	Hydraulic turbines elsewhere specified – Francis type / Other	REP			Canada
		Hydraulic turbines and water wheels of a power exceeding 10,000 kW			Used in hydroelectric power generation, which produces no greenhouse gas emissions.	APEC	New Zealand
					OECD APEC	United States	
					RM	Japan	
		WWM		Korea			
221.	841090	Small hydro powered generating plant: hydraulic turbines and water wheels of a power not exceeding 1000 kW and parts thereof		REP	Due to their negative environmental impact, large hydro-power plants are excluded from this category. The economic potential of small hydro power plants (<10MW), if correctly planned, is far more important.		European Communities
		Hydraulic turbines elsewhere specified and water wheels; parts, including regulators					Canada
		Hydraulic turbines and water wheels; parts, including regulators		Used in hydroelectric power generation, which produces no greenhouse gas emissions.	APEC	New Zealand	
					OECD APEC	United States	
		RM		Japan			
		WWM		Korea			
222.	841181	Gas turbines of a power not exceeding 5,000 kW	Other gas turbines, not exceeding 5,000 kW	REP			United States
223.	84118100	Natural gas driven turbines of a power not exceeding 5000 KW**		CT/P	Environmental product used in technology		Qatar
224.	841182	Gas turbines of a power exceeding 5,000 kW	Other gas turbines exceeding 5,000 kW	REP			United States
225.	84118200	Natural gas driven turbines of a power exceeding 5000 KW**		CT/P	Environmental product used in technology		Qatar
226.	84119900	Natural gas driven turbines associated parts**		CT/P	Environmental product used in technology		Qatar

\*\* The Qatari submission provided the following information: Range of Increased Relative Conversion Efficiency (IRCE) compared to other fossil fuels of higher carbon content: 23%-37%. Range of Estimated Lower Relative GHG Emissions (LRGE) compared to other fossil fuels higher carbon content: CO2/kwh: 35%-55%; CH4/kwh: 25%-75%; N2O/kwh: 90%-95%. Range of Estimated Lower Relative Toxic Pollutant Emissions (LRTPE) compared to other fossil fuels of higher in carbon content: SO2/kwh: 100%; PM/kwh: 100%; NOx/kwh: 50%-70%; NMVOC/kwh: 20%-30%. Reference: FCCC/SBSTA/2002/MISC.3 P 16-35 (UNFCCC document).

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER		
227.	8413	Centrifugal pumps for water, whether dry well or submersible, and parts thereof.		WWM	For water, wastewater and sludge		European Communities		
		Wind powered pumping system: Water pump for use with wind turbine.		REP					
228.	841319	Pumps fitted or designed with a measuring device: other	For water treatment	WWM	For handling and transport of wastewater or slurries during treatment	OECD	New Zealand		
229.	841320	Hand pumps not elsewhere specified, other than those of subheading No 8413.11 or 8413.19		WWM			Canada		
		Hand pumps, other than those of subheading No. 8413.11 or 8413.19					Japan		
							Korea		
					For handling and transport of wastewater or slurries during treatment	OECD	New Zealand		
230.	841350	Reciprocating positive displacement pumps not elsewhere specified		WWM			Canada		
		Other reciprocating positive displacement pumps					OECD	United States	
								Japan	
			Pumps for sewage and wastewater treatment				OECD	New Zealand	
						Korea			
231.	841360	Other rotary positive displacement pumps	Submersible mixer pump to circulate water in wastewater treatment process; sewage pumps, screw type	WWM			Japan		
		Rotary positive displacement pumps, not elsewhere specified or included	Pumps for liquids, whether or not fitted with a measuring device; other rotary positive displacement pumps (specifically Submersible mixer pump to circulate water in wastewater treatment process; sewage pumps, screw type)			OECD APEC	United States		
		Pumps for liquids, whether or not fitted with a measuring device; other rotary positive displacement pumps	Submersible mixer pump to circulate water in wastewater treatment process; sewage pumps, screw type				For handling and transport of wastewater or slurries during treatment		New Zealand
			Pumps for sewage and wastewater treatment						Korea
			Hydraulic fluid power pumps, vane type Roller Pumps						Canada
			Submersible mixer						Chinese Taipei

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER SISTS LISTS	MEMBER
232.	841370	Other centrifugal pumps	Centrifugal pumps lined to prevent corrosion; centrifugal sewage pumps	WWM			Japan
							Canada
		Pumps for liquids, whether or not fitted with a measuring device; other centrifugal pumps	Pumps for sewage and wastewater treatment		For handling and transport of wastewater or slurries during treatment	OECD APEC	New Zealand
		Centrifugal pumps, not elsewhere specified or included	Pumps for liquids, whether or not fitted with a measuring device; other centrifugal pumps (specifically Centrifugal pumps lined to prevent corrosion; centrifugal sewage pumps)			OECD APEC	United States
			Centrifugal pump (RFPP, PVDF, Ti, Viton, Seal)				Chinese Taipei
233.	841381	Pumps for liquids, whether or not fitted with a measuring device; other pumps	Wind turbine pump	PWT	Water handling equipment. Pumps are integral components of water treatment plants.	APEC	Canada
							New Zealand
			Pumps for windmills	RM		Japan	
		Heat pumps			Japan		
		Pumps for sewage and wastewater treatment			Korea		
		Ejectors/Injectors for water treatment; liquid elevators.			European Communities		
Pumps for liquids, not elsewhere specified or included	Pumps for liquids, whether or not fitted with a measuring device; other pumps (specifically Wind turbine pump)	PWT	OECD APEC	United States			
234.	841382	Ejectors/Injectors for water treatment; liquid elevators.		WWM			European Communities
235.	841410	Vacuum pumps		APC	Air handling equipment. Used in a number of environmental applications, e.g. flue gas desulphurisation (the process by which sulphur is removed from combustion exhaust gas)	OECD APEC	Canada
							Japan
				M/A		United States	
236.	841420	Air or vacuum pumps, air or other gas compressors and fans; ventilating or recycling hoods incorporating a fan, whether or not fitted with filters. - Hand- or foot-operated air pumps.	For bicycle use	EPP	Multiple use.		Switzerland
237.	841430	Compressors of a kind used in refrigerating equipment		APC	Air handling equipment. Transport or extraction of polluted air, corrosive gases or dust	OECD	Japan
							New Zealand
238.	841440	Air compressors mounted on a wheeled chassis for towing		APC	Air handling equipment. Transport or extraction of polluted air, corrosive gases or dust	OECD	New Zealand
							Japan
				WWM		Korea	



ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER	
239.	841459	Fans other than table, floor, wall, window, ceiling or roof fans, with a self-contained electric motor of an output not exceeding 125 W		APC		APEC	Japan	
		Fans (and blowers) other than table, floor, window, ceiling or roof fans with a self contained electric motor of an output not exceeding 125W					Canada	
		Fans, not elsewhere specified or included			Air handling equipment. Transport or extraction of polluted air, corrosive gases or dust	APEC	New Zealand	
		Fans and parts thereof				APEC	United States	
					Transport or extraction of polluted air and corrosive gases or dust		European Communities	
240.	841480	Pumps for airs, whether or not fitted with a measuring device; other pumps	Heat pumps	RM			Japan	
		Air or vacuum pumps, air or vacuum compressors and fans; other		APC			Canada	
		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			Air handling equipment. Transport or extraction of polluted air, corrosive gases or dust	OECD APEC	New Zealand	
		Air/gas pumps, compressors and fans etc, not elsewhere specified or included					United States	
				M/A				
		Other air or gas compressors or hoods		APC			Korea	
			Aerator	WWM			Chinese Taipei	
			Blower					
			Diffuser					
	Industrial hoods and parts thereof		APC	Ex: For exhaust gases		European Communities		
241.	841490	Industrial hoods and parts thereof		APC	Ex: For exhaust gases		European Communities	
		Fans and parts thereof			Transport or extraction of polluted air and corrosive gases or dust		European Communities	
		Parts of vacuum pumps, compressors, fans, blowers, hoods			Air handling equipment. Transport or extraction of polluted air, corrosive gases or dust	OECD	New Zealand	
		Parts of HS headings 8414					Japan	
242.	8415	Air conditioning machines, comprising a motor-driven fan and elements for changing the temperature and humidity, including those machines in which the humidity cannot be separately regulated	Inverter type air conditioning	CT/P			Japan	
243.	841590	Parts of air conditioning machines	Temperature controller	CT/P			Japan	



ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER	
246.	8418	Refrigerators, freezers and other refrigerating or freezing equipment, electric or other; heat pumps other than air conditioning machines of heading No. 84.15	Ion refrigerators able to dispose of germs	R/C			Japan	
			Non flon refrigerator	CT/P				
			Inverter type air conditioning					
247.	841919	Other instantaneous or storage water heaters, non-electric	Solar water heaters	H/EM			Canada	
		Instantaneous/storage water heaters ex instant gas water not elsewhere	Other instantaneous or storage water heaters, non-electric (specifically solar water heaters)	REP	Uses solar thermal energy to heat water, producing no pollution. Use of solar water heating displaces the burning of other, pollution-creating fuels.	OECD APEC	New Zealand	
				APC			United States	
		Solar boiler (water heater).		REP				European Communities
		Instantaneous or storage water heaters, non-electric; other	Burner; fuel other than oil or gas	RM				Japan
			Solar water heaters					
			Waste heat boilers					
248.	841939	Sludge driers & granulating machines.		WWM			European Communities	
249.	841940	Distilling or rectifying plant	Solvent recycling plant	RS	Allows the recovery and reuse of solvents, e.g. solvents used in the printing, painting or dry cleaning industries.	APEC	New Zealand	
								Canada
								United States
				M/A				Japan
				PWT				Chinese Taipei
			Distillation apparatus, laboratory	APC				
		Distilling or rectifying plant e.g. seawater desalination systems.		WWM				European Communities
Distilling or rectifying plant, including biogas refinement equipment.		S/H						
250.	841950	Heat exchange units		H/EM			Canada	
						Japan		
		Heat exchange units, industrial type		REP		OECD APEC	United States	
		Heat pumps and parts thereof			Includes pumps for air cooling			
		Solar collector and solar system controller: Heat exchanger.					European Communities	
		Thermal treatment/Incineration systems recovering energy, equipped with filters for atmospheric emissions control: - Heat exchanger.		S/H				

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER	
251.	841960	Machinery for liquefying air or other gases		APC			Canada	
							Japan	
							Korea	
				M/A				
				APC	For separation and removal of pollutants through condensation	OECD APEC	United States New Zealand	
		Machinery for liquefying air and other gases			Chinese Taipei			
252.	841989	Machinery, plant or laboratory equipment, whether or not electrically heated (excluding furnaces, ovens and other equipment of heading 85.14), for the treatment of materials by a process involving a change of temperature such as heating, cooking, roasting, distilling, rectifying, sterilising, pasteurising, steaming, drying, evaporating, vaporising, condensing or cooling, other than machinery or plant of a kind used for domestic purposes; instantaneous or storage water heaters, non-electric	Machinery for treatment of materials by change of temperature	APC			Japan	
		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)					Canada	
		Evaporators and dryers, for water treatment.		WWM				
		Distilling or rectifying plant, including biogas refinement equipment. - Condenser; cooling towers.		S/H			European Communities	
		Biological treatment of organic waste, including production of biogas: Digestion tanks; Biogas reactor; biogas refinement equipment.						
		Thermal treatment/Incineration systems recovering energy, equipped with filters for atmospheric emissions control: - Furnaces and ovens for the incineration/thermal treatment of waste; parts thereof.			Includes fluidised bed systems (bubbling, circulating, etc.) and biomass boilers.			
253.	841990	Parts of machinery, plant and equipment of heading No 84.19	Medical, surgical or laboratory stabilizers	M/A			Canada	
		Parts of HS headings 8419	Heat exchange units; parts	H/EM			Japan	
254.	8421	System for operation and control of water and wastewater treatment ops.		WWM			European Communities	

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER	
255.	842119	Centrifuges, including centrifugal dryers, other than cream separators and clothes-dryers		M/A	Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.		Canada	
						OECD APEC	New Zealand	
							Japan	
		Other centrifuges	Other than centrifuges for medical, laboratory, food industry, petrochemical industry	WWM		Korea		
		Centrifuges, not elsewhere specified or included		M/A	OECD APEC	United States		
		Oil skimmer, and parts thereof.		R/C			European Communities	
256.	842121	Water filtering or purifying machinery and apparatus		WWM		OECD APEC	United States	
				M/A			Canada	
		Filtering or purifying machinery and apparatus for liquids: for filtering or purifying water						Japan
								Korea
		For filtering or purifying water						
			(Mechanical) bar screen					
			Drum screen					
			Micro screen					
			Scraper					
			Waste water and grease separator					
			Grease interceptor					
			Belt filter press					
			Sludge treatment equipment					
			Sludge decanter (sludge centrifuge)	WWM				Chinese Taipei
			Plate and frame filter press					
			Reverse osmosis system					
			Vacuum filter					
			Sand filter					
			Micro strainer					
			Ion exchange system					
	Ultra-violet disinfection system							
	Septic tank							
	Ion exchanger							
	Filtering or purifying machinery and apparatus for water and parts thereof				Including sludge belt filter presses and belt thickeners		European Communities	

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER SISTS LISTS	MEMBER	
257.	842129	Filtering or purifying machinery and apparatus for liquids; other		WWM	Used to remove contaminants from wastewater, by chemical recovery, oil/water separation, screening or straining.	OECD APEC	Japan	
		Filter/purify machine and apparatus for liquid not elsewhere specified or included		M/A			New Zealand	
		Other machinery for purifying liquids		WWM	United States			
			Hydraulic fluid power filters rated at 1,000 kPa or greater	M/A		Korea		
		Other filtering and purifying machinery and apparatus for liquids.		WWM		Canada		
							European Communities	
258.	842131	Filtering or purifying machinery and apparatus for gas or air		APC	Physical, mechanical, chemical or electrostatic filters and purifiers for the removal of COV, solid or liquid particles in gases, etc.		European Communities	
259.	842139	Filtering or purifying machinery and apparatus for gas or air		APC	Physical, mechanical, chemical or electrostatic filters and purifiers for the removal of COV, solid or liquid particles in gases, etc.		European Communities	
		Distilling or rectifying plant, including biogas refinement equipment. - Filtering systems for gas.		S/H				
		Filter/purify machine and apparatus for gases not elsewhere specified or included		APC		OECD APEC	United States	
		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)	M/A			Canada	
			For purifying exhaust gas for vehicles of Chapter 87, for the treatment of harmful exhaust gas				Japan	
			Electrostatic precipitator	APC				Chinese Taipei
			Bag filter					
			Cartridge dust collector					
			Cyclone dust collector					
			Oil mist eliminator					
			Wet scrubber: cyclone scrubber					
			Wet scrubber: venturi scrubber					
			Wet scrubber: packed tower scrubber					
			Fume collector					
	Activated carbon (or Zeolite) adsorption and regeneration system							
	Flue gas desulfurization system (FGD)							
	Soil vapour treatment system (oil-water separator)	R/C						

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER	
260.	842191	Parts of centrifuges, including centrifugal dryers	Parts of centrifuges, including centrifugal dryers (specifically centrifuges, accessories & parts; except clothes dryers and clothes dryer furniture)	M/A			United States	
			Centrifuges, accessories and parts; except clothes dryers and clothes dryer furniture		Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	OECD APEC	Canada New Zealand	
		Parts of centrifuges		WWM				Japan
		Oil skimmer, and parts thereof.		R/C				Korea European Communities
261.	842199	Filtering or purifying machinery and apparatus for water and parts thereof		WWM	Including sludge belt filter presses and belt thickeners		European Communities	
		Parts of filters.		APC			Japan	
		Parts of centrifuges, including centrifugal dryers			OECD APEC	United States		
		Filter/purify machine and apparatus parts		WWM			Canada	
		Parts of filtering or purifying machinery and apparatus for liquids or gases	For purifying exhaust gas for vehicles of Chapter 87	APC			Korea	
		Parts for filtering or purifying machinery	Filter for purifying machinery	WWM				
			Filter elements (for instant use)	APC			Chinese Taipei	
	Other parts of filtering or purifying machinery and apparatus for liquids or gases							
262.	842211	Dish washing machines; machinery for cleaning or drying bottles or other containers; machinery for filling, closing, sealing or labelling bottles, cans, boxes, bags or other containers; machinery for capsuling bottles, jars, tubes and similar containers; household type	Ultrasonic dish washing machine	CT/P			Japan	
			Dish washing machine capable of saving detergent					
			Dish washing machine capable of saving water					
263.	842220	Machinery for cleaning or drying bottles or other containers		S/H			Canada	
							Korea	
				RS	OECD APEC	United States		
					Japan			
	Machinery for cleaning or drying bottles or other containers and parts thereof.		S/H			European Communities		
264.	842290	Machinery for cleaning or drying bottles or other containers and parts thereof.		S/H			European Communities	

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER SISTS	MEMBER	
265.	842381	Other weighing machinery having a maximum weighing capacity not exceeding 30 kg		S/H			Canada	
						Japan		
				WWM	Necessary to calculate the amount of reagents needed to treat waste.	OECD	New Zealand	
266.	842382	Other weighing machinery having a maximum weighing capacity exceeding 30kg but not exceeding 5,000 kg		S/H			Canada	
				WWM	Necessary to calculate the amount of reagents needed to treat waste.	OECD	New Zealand	
		Weighing machinery having a maximum weighing capacity exceeding 30 kg but not exceeding 5000 kg					Japan	
267.	842389	Other weighing machinery not elsewhere specified		S/H			Canada	
		Other weighing machinery				Japan		
			WWM	Necessary to calculate the amount of reagents needed to treat waste.	OECD	New Zealand		
268.	842490	Parts for sprayers for powders or liquids	Deflash machines for cleaning and removing, spraying appliances	WWM			Korea	
		Parts of mechanical appliances for projecting, dispersing or spraying liquids or powders; fire extinguishers, whether or not charged; spray guns and similar machines and similar jet projecting machines					Japan	
		Mechanical appliances (whether or not hand-operated) for projecting, dispersing or spraying liquids or powders; fire extinguishers, whether or not charged; spray guns and similar appliances; steam or sand blasting machines and jet projecting machines: Parts		APC	Sprayers are used in a number of air pollution control applications, including odour control.	OECD	New Zealand	
269.	842832 to 842839	Roller tables and other conveyers for feeding and removing waste.		S/H			European Communities	
270.	842833	Other lifting, handling, loading or unloading machinery (for example, lifts, escalators, conveyors, teleferics); other	Belt-type above ground conveyor used to transfer solids or slurries between plants	WWM			Japan	
		Other continuous - action elevators and conveyors, for goods or materials; other, belt type					Korea	
						For transport of waste around the treatment plant.	APEC	New Zealand
		Continuous - action elevators and conveyors, for goods or materials, belt type			Other continuous-action elevators and conveyors, for goods or materials; other, belt type (specifically Belt-type above ground conveyor used to transfer solids or slurries between plants)		APEC	United States
271.	842940	Tamping machines and road rollers, self-propelled	Tamping Machines and Road Rollers (specifically Self-propelled sanitary landfill compactors)	S/H			United States	



ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
272.	843680	Other agricultural, horticultural, forestry, poultry-keeping or bee-keeping machinery	Hot water weed killing system	CT/P	Non-toxic alternative to chemical herbicides. A machine delivers high temperature water solution that kills weeds thermally.	APEC	New Zealand
		Other agricultural, horticultural, forestry, poultry-keeping or bee-keeping machinery, including germination plant fitted with mechanical or thermal equipment; poultry incubators and brooders; other		WWM			Japan
		Agricultural, horticultural, forestry, bee-keeping machinery not elsewhere specified or included	Other agricultural, horticultural, forestry, poultry-keeping or bee-keeping machinery (specifically Hot water weed killing system (Includes grinders, shredders, and chippers used by wood and waste industries to reduce volumes and ceate such products as boiler fuel, mulch, and compost, and to grind Municipal Solid Waste (MCW) and certain construction).)				APEC
273.	843910	Grinder, shredder, crusher, excluding food disposal units; Compactors for paper, plastic, board, cartons, etc., agglomerator, briquetter, pelletiser and other mixing equipments for waste. Parts thereof.		S/H	Including waste separators		European Communities
274.	843920	Grinder, shredder, crusher, excluding food disposal units; Compactors for paper, plastic, board, cartons, etc., agglomerator, briquetter, pelletiser and other mixing equipments for waste. Parts thereof.		S/H	Including waste separators		European Communities
275.	843999	Parts for machinery for making or finishing paper or paperboard	Machinery for making pulp of fibrous cellulosic material or for making or finishing paper or paperboard (other than the machinery of heading 8419 (parts thereof, other (specifically Parts for Forest Machinery. See Item HS 843680 (Forest Machinery)- Classified Differently, but similar to the equipment covered under HS 847982.)	S/H			United States
		Grinder, shredder, crusher, excluding food disposal units; Compactors for paper, plastic, board, cartons, etc., agglomerator, briquetter, pelletiser and other mixing equipments for waste. Parts thereof.			Including waste separators		European Communities
276.	8450	Household or laundry-type washing machines, including machines which both wash and dry	Ultrasonic washing machines	CT/P			Japan
			Washing machines capable of saving detergents				
			Washing machines capable of saving water				

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
277.	846291	Hydraulic presses	Shredders/balers for metals; hydraulic	S/H			Japan
		Hydraulic presses for working metal	Machine tools for working metal, other than punching or notching and combined punching and shearing; hydraulic presses (specifically shredders/balers for metals; hydraulic)			APEC	United States
		Grinder, shredder, crusher, excluding food disposal units; Compactors for paper, plastic, board, cartons, etc., agglomerator, briquetter, pelletiser and other mixing equipments for waste. Parts thereof.			Including waste separators		European Communities
278.	846490	Machine-tools for working stone, ceramics, concrete, asbestos-cement or like mineral materials or for cold working glass; other	Machine-tools for cold working glass	S/H			Japan
279.	846596	Split, slice etc. machine for working wood cork bone etc	Splitting, slicing or paring machines (specifically portable recyclers (grinders/shredders) portable (wood and waste recycling machinery))	S/H			United States
280.	846599	Machine tools for working wood cork bone etc not elsewhere specified or included	Other parts of splitting, slicing or paring machines (specifically tree delimeter/ debarker/ chipper machinery (portable recyclers (grinders/ shredders))	S/H			United States
281.	846694	Grinder, shredder, crusher, excluding food disposal units; Compactors for paper, plastic, board, cartons, etc., agglomerator, briquetter, pelletiser and other mixing equipments for waste. Parts thereof.		S/H	Including waste separators		European Communities
282.	847170	Storage units	DVD-ROM	CT/P			Japan
283.	847290	Other office machines (for example, hectograph or stencil duplicating machines, addressing machines, automatic banknote dispensers, coin-sorting machines, coin-counting or wrapping machines, pencil-sharpening machines, perforating or stapling machines); other	Paper shredders	S/H			Japan
		Other office machines					Korea
		Office machines for automatic banknote dispensers, etc	Other office machines (specifically paper shredders)			APEC	United States

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
284.	847410	Sorting, screening, separating or washing machines elsewhere specified		RS			Canada
		Sorting, screening, separating or washing machines	Machines of a kind for use in screening and washing coal	S/H			Japan
			Waste foundry sand reclamation equipment	RS	Used to treat sand waste from foundry cast making, allowing the reuse of the sand.		Korea
		Sorting etc machines for earth stone mineral subs	Sorting, screening, separating or washing machines (specifically Machines of a kind for use in screening and washing coal)			S/H	A specific tariff code could be created for recycling plants and units.
			Sorting, screening, separating or washing machines (specifically Waste foundry sand reclamation equipment)		United States		
		Sorting, screening, separating and washing machines for recycling waste (i.e. metals, plastics, glass, paper, etc.), and parts thereof.					European Communities
285.	847420		Crusher	S/H			Chinese Taipei
			Shredding system				
		Grinder, shredder, crusher, excluding food disposal units; Compactors for paper, plastic, board, cartons, etc., agglomerator, briquetter, pelletiser and other mixing equipments for waste. Parts thereof.			Including waste separators		European Communities
286.	847432	Machines for mixing mineral substances with bitumen	Asphalt recycling equipment	S/H			Korea
				RS			Japan
			Recycling asphalt on roads and pavements minimises demand for oil and gravel to make new asphalt, as well as minimising waste destined for landfill.		APEC	New Zealand	
			Machines for mixing mineral substances with bitumen (specifically Asphalt recycle equipment)	APEC	United States		
287.	847439	Other mixing or kneading machines for earth, stone, sand, etc		S/H			Korea
		Mixing or kneading machines: other			Used to prepare waste for treatment/recycling or during treatment/recycling	OECD	New Zealand
		Mixing or kneading machines					Japan
		Mixing or kneading machines			Grinding, crushing or mixing machines that use physical methods to break up waste, thereby facilitating further processing of the waste.		Chinese Taipei
288.	847529	Machines for manufacturing or hot working glass or glassware: other		S/H			Japan
289.	847910	Machines for urban cleaning.		S/H	E.g. Litter sweeper.		European Communities

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER	
290.	847982	Mixing, kneading, crushing, grinding, screening, sifting, homogenising, emulsifying or stirring machines	Other than kneading machinery	RS	Used to prepare waste for recycling, for example, crushing concrete.	OECD APEC	New Zealand	
				WWM			Japan	
			Magnetic separator	S/H				
			Agitator for wastewater treatment	WWM	For mixing of wastewater during treatment.	APEC	New Zealand	
			Crushers and grinders for solid waste				Korea	
			Including bio-waste chopping and mixing equipment	S/H	Used to prepare organic waste for composting. Composting converts organic waste into humus, which can be used as fertiliser. Composting can minimise the amount of waste going to landfill as well as recovering the valuable nutrient and energy content of the waste.	OECD	New Zealand	
		Mixing kneading crushing grinding etc machine not elsewhere specified or included	Mixing, kneading, crushing, grinding, screening, sifting, homogenizing emulsifying or stirring machines (specifically Agitator for wastewater treatment )	WWM		OECD APEC	United States	
			Mixing, kneading, crushing, grinding, screening, sifting, homogenizing emulsifying or stirring machines (specifically Other than kneading machinery)	RS				
		Fluorescent tubes treatment plants.					European Communities	
		Sorting, screening, separating and washing machines for recycling waste (i.e. metals, plastics, glass, paper, etc.), and parts thereof.			S/H	A specific tariff code could be created for recycling plants and units.		
		Grinder, shredder, crusher, excluding food disposal units; Compactors for paper, plastic, board, cartons, etc., agglomerator, briquetter, pelletiser and other mixing equipments for waste. Parts thereof.				Including waste separators		
		Waste sorter devices						
				Agitator		WWM		Chinese Taipei

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
291.	847989	Machines elsewhere specified and mechanical appliances not elsewhere specified having individual functions	In-vessel composting systems / Radioactive waste press / Trash compactors / Other	S/H			Canada
		Machines and mechanical appliances having individual functions, not specified or included elsewhere in this Chapter	Trash compactors	WWM			Japan
			Radioactive waste press	S/H	In-vessel composting systems can handle large amounts of waste and speed up decomposition. Trash compactors reduce the volume of solid waste, allowing more efficient transport and disposal.	OECD APEC	New Zealand
		In-vessel composting systems, trash compactors	United States				
		Machines and mechanical appliances with individual function not elsewhere specified or included	Machines and mechanical appliances having individual functions, not elsewhere specified or included in this chapter, other (specifically radioactive waste press)	WWM			
			Machines and mechanical appliances having individual functions, not elsewhere specified or included in this chapter, other (specifically trash compactors)				
			Equipment for prevention of air pollution, noise treatment, vibration prevention, water contamination prevention and treatment of materials caused by factory wastage	S/H			Chinese Taipei
		Equipment and apparatus for cleaning or stabilizing the soil		R/C	Stripping, oil-water separator, catalytic oxidisers, ultrafiltration apparatus, bio-remediation equipment, soil stabilization and solidification equipment, etc.		European Communities
		Collecting and sampling equipment.		WWM			
		Machines and appliances for solid/liquid separation, flocculation or thickening, whether or not compacting and bagging, of sewage sludge.					
		Sludge silos with independent functions.					
		Aeration systems and aerators.					
		Biological treatment of organic waste, including production of biogas:		S/H	A specific tariff code could be provided for plants.		
		Biological treatment plant.					
		Landfill gas monitoring system.			Includes gasifier, feeding system, pressurised/atmospheric operation equipment, tar removal equipment, gas cleaning equipment, etc for the control of landfill methane emissions.		
Landfill leachate treatment equipment (leachate aerators and pumps, gas extraction wells...).							
Dust collection and storing equipment.		APC	Including Off-sheat and On-sheat dust control devices, flue dust recovery and transportation equipment.				
Composting systems of organic matter : - Machinery, apparatus and vehicles for composting.		S/H	E.g. Grinding and mixing machines for biowaste; Tunnels composed of a hermetic reactor with automatic aeration and feeding systems.				
Soil sampling equipment.		R/C					
Machines and appliances for oil recovery; Oil spill and aquatic weed control harvesters.			Including entire oil recovery systems and harvesters that have the ability to move on land and on water.				

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER SISTS LISTS	MEMBER	
292.	847990	Parts of machines elsewhere specified and mechanical appliances having individual functions, not elsewhere specified or included in this chapter	Parts of trash compactors	S/H			Canada	
		Parts of machines and mechanical appliances having individual functions, not elsewhere specified or included in this chapter, other			Trash compactors reduce the volume of solid waste, allowing more efficient transport and disposal.	APEC	New Zealand	
		Machines and mechanical appliances having individual functions, not specified or included elsewhere in this Chapter; parts					Japan	
		Parts of machines and mechanical appliances with individual functions, not elsewhere specified or included	Parts of machines and mechanical appliances having individual functions, not elsewhere specified or included in this chapter, other (specifically parts of trash compactors)	PWT		APEC	APEC	United States
		Sorting, screening, separating and washing machines for recycling waste (i.e. metals, plastics, glass, paper, etc.), and parts thereof.		S/H	A specific tariff code could be created for recycling plants and units.			European Communities
		Grinder, shredder, crusher, excluding food disposal units; Compactors for paper, plastic, board, cartons, etc., agglomerator, briquetter, pelletiser and other mixing equipments for waste. Parts thereof.			Including waste separators			
293.	848050	Moulds for glass		S/H			Japan	
294.	848110	Pressure-reducing valves	Filter-regulators and filter regulator-lubricators / Other, pneumatically controlled / Hydraulically controlled	WWM			Canada	
					For handling and transport of wastewater or slurries during treatment	OECD	New Zealand	
							Japan	
295.	848110 to 848180	Taps, cocks and valves for water and wastewater.		WWM			European Communities	
296.	848130	Check valves	Of iron / Of steel	WWM			Japan	
		Check (non-return) valves			For handling and transport of wastewater or slurries during treatment	OECD	Canada	
							New Zealand	
297.	848140	Safety or relief valves		WWM			Canada	
					For handling and transport of wastewater or slurries during treatment	OECD	Japan	
							New Zealand	
298.	848180	Other appliances for pipes, boiler shells, tanks, vats or the like	Hand operated or hand activated of iron – Gate type and globe type	WWM			Canada	
					For handling and transport of wastewater or slurries during treatment	OECD	New Zealand	
		Other valves					Japan	
299.	848190	Parts of valves and similar articles for pipes, boiler shells, tanks, vats or the like, not elsewhere specified		WWM			Canada	

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
300.	848340	Gears; ball or roller screws; gear boxes, etc	Gears and gearing and other speed changers (specifically for wind turbines)	REP			United States
301.	848360	Clutches and shaft couplings (including universal joints)	Clutches and universal joints (specifically For wind turbines)	REP			United States
302.	850110	Bio-electricity and bio-heat from waste: See product examples under category S/H – "Waste treatment and disposal, including recycling" for combustion/incineration and landfill gas production from waste. (See TN/TE/W/56, pp. 5-6)		REP	Biomass exploitation needs careful resource management if it is to be sustainable. Since practice can vary, examples chosen for this list focus on waste recovery (agricultural and forestry residues, biodegradable fraction of municipal solid waste).		European Communities
303.	850120	Bio-electricity and bio-heat from waste: See product examples under category S/H – "Waste treatment and disposal, including recycling" for combustion/incineration and landfill gas production from waste. (See TN/TE/W/56, pp. 5-6)		REP	Biomass exploitation needs careful resource management if it is to be sustainable. Since practice can vary, examples chosen for this list focus on waste recovery (agricultural and forestry residues, biodegradable fraction of municipal solid waste).		European Communities
304.	850130	Bio-electricity and bio-heat from waste: See product examples under category S/H – "Waste treatment and disposal, including recycling" for combustion/incineration and landfill gas production from waste. (See TN/TE/W/56, pp. 5-6)		REP	Biomass exploitation needs careful resource management if it is to be sustainable. Since practice can vary, examples chosen for this list focus on waste recovery (agricultural and forestry residues, biodegradable fraction of municipal solid waste).		European Communities
305.	850161	AC generators (alternators) <=75 kVA output	AC generators not exceeding 75 kVA (specifically for all electricity generating renewable energy plants)	REP			United States
306.	850162	AC generators (alternator) > 75 kVA but =< 375kVA	AC generators exceeding 75 kVA but not 375 kVA (specifically for all electricity generating renewable energy plants)	REP			United States
307.	850163	AC generators (alternator) > 375 kVA but =< 750kva	AC generators not exceeding 375 kVA but not 750 kVA (specifically for all electricity generating renewable energy plants)	REP			United States
308.	850164	AC generators of an output exceeding 750 kVA	AC generators exceeding 750 kVA (specifically for all electricity generating renewable energy plants)	REP			United States
309.	850213	Biomass combined heat and power plant.		REP			European Communities
310.	850231	Other electric generating sets	Wind-powered	REP			Canada
		Electric generating sets and rotary converters; wind-powered		RM			Japan
		Other electric generating sets and rotary converters; wind-powered		REP	Electricity generation from a renewable resource (wind).	APEC	New Zealand
		Generating sets, electric, wind powered		S/H			United States
		Wind turbine.					European Communities
		Electric generator for wind turbine, and parts thereof.		REP			
		Electric generating sets and rotary converters. - Other generating sets: - Wind-powered.		CT/P			Switzerland

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
311.	850239	Other electric generating sets and rotary converters	Micro combined heat and power systems	CT/P	Combined heat and power systems produce usable power (usually electricity) and heat at the same time. Micro combined heat and power systems are very efficient for domestic use, particularly in places where reticulated natural gas and hot water central heating are the norm. 'Distributed generation' also minimises transmission losses through national grids, reducing the need to increase centralised generating capacity and transmission networks.	OECD	New Zealand
		Small hydro powered generating plant		REP	Due to their negative environmental impact, large hydro-power plants are excluded from this category. The economic potential of small hydro power plants (<10MW), if correctly planned, is far more important.		European Communities
		Small hydro powered generating plant: generator for use in the above hydro-power plant			Due to their negative environmental impact, large hydro-power plants are excluded from this category. The economic potential of small hydro power plants (<10MW), if correctly planned, is far more important.		
		Wave power generating plant.					
		Biomass combined heat and power plant.					
Generating sets, electric, not elsewhere specified or included	Other generating sets (specifically Gas turbine sets for biomass plants)			United States			
312.	850240	Electric generating sets and rotary converters. - Electric rotary converters.		CT/P			Switzerland
313.	850300	Parts suitable for use solely or principally with the machines of heading 85.01 or 85.02.	As applicable to 850231 and 850240.	CT/P			Switzerland
		Electric generator for wind turbine, and parts thereof.		REP			European Communities
		Parts of electric motors, generators and sets	Parts for equipment classified under 8501 and 8502 (specifically Parts of gas and wind powered turbines)				United States
314.	850440	Static converters; adp power supplies	Other static converters (specifically Inverters for photovoltaic solar equipment)	REP			United States
		Solar inverter.			Converts solar energy into electricity.		European Communities
315.	850590	Electro-magnets; other, including parts	Electromagnet	S/H			Canada
							Japan
					Used to remove metal content from waste for recycling.	APEC	New Zealand
			Magnets separator for waste treatment				Chinese Taipei
	Electromagnets, clamps, similar holding devices & part	Electromagnets; other, including parts (specifically Electromagnet)			APEC	United States	



ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
316.	850680	Primary cells and batteries	Fuel cells	CT/P	Fuel cells use hydrogen or hydrogen-containing fuels such as methane to produce an electric current, through an electrochemical process rather than combustion. Fuel cells are clean, quiet, and highly efficient sources of electricity.	OECD	Canada
		Other primary cells and primary batteries					New Zealand
		Primary cells and primary batteries. - Other primary cells and primary batteries.					Switzerland
		Primary cells and primary batteries; other	Fuel cells	RM			Japan
317.	850910	Vacuum cleaners	Jet-turn type cleaner	APC			Japan
							Chinese Taipei
318.	850980	Electro-mechanical domestic appliances, with self-contained electric motor	Garbage degrader	CT/P			Japan
319.	851210	Electrical lighting or signalling equipment (excluding articles of heading 85.39), windscreen wipers, defrosters and demisters, of a kind used for cycles or motor vehicles. - Lighting or visual signalling equipment of a kind used on bicycles.		CT/P			Switzerland
320.	851290	Electrical lighting or signalling equipment (excluding articles of heading 85.39), windscreen wipers, defrosters and demisters, of a kind used for cycles or motor vehicles. - Parts.	As applicable to 851210	CT/P			Switzerland
321.	8514	Thermal treatment/Incineration systems recovering energy, equipped with filters for atmospheric emissions control: - Furnaces and ovens for the incineration/thermal treatment of waste; parts thereof.		S/H	Includes fluidised bed systems (bubbling, circulating, etc.) and biomass boilers.		European Communities
322.	851410	Industrial or laboratory furnaces and ovens; electric, resistance heated	Waste incinerators or other waste treatment apparatus	APC	Destruction of pollutants (such as VOC) by heating polluted air and oxidation of organic components.	OECD APEC	Canada
				S/H			Japan
			Waste incinerators or other waste treatment apparatus	APC		New Zealand	
		Industrial, laboratory furnaces, ovens, resistance	Industrial or laboratory furnaces and ovens; electric, resistance heated (specifically waste incinerators or other waste treatment apparatus )	S/H		Chinese Taipei	
323.	851420	Industrial or laboratory furnaces and ovens; electric, induction or dielectric		APC	Destruction of pollutants (such as VOC) by heating polluted air and oxidation of organic components.	OECD APEC	New Zealand
				S/H			Japan
			Waste incinerators or other waste treatment apparatus	APC		Canada	
		Furnaces and ovens; functioning by induction or dielectric loss		WWM		Korea	
						Chinese Taipei	
		Industrial, laboratory furnaces, ovens, induction, dielectric	Industrial or laboratory furnaces and ovens; electric, induction or dielectric (specifically waste incinerators or other waste treatment apparatus )	S/H		OECD APEC	United States

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
324.	851430	Industrial or laboratory furnaces and ovens, electric, other	Waste incinerators or other waste treatment apparatus	APC		OECD APEC	Canada
							Japan
		Industrial, laboratory furnaces, ovens, not elsewhere specified or indicated	Industrial or laboratory furnaces and ovens, electric, other (specifically Waste incinerators or other waste treatment apparatus)	S/H			Chinese Taipei
		Industrial or Laboratory Furnaces and Ovens, electric, other		APC			Destruction of pollutants (such as VOC) by heating polluted air and oxidation of organic components.
325.	851490	Parts of industrial or laboratory furnaces and ovens		S/H			Japan
		Parts of industrial or laboratory electric furnaces and ovens; other laboratory induction or dielectric heating equipment	Parts of waste incinerators	APC			Canada
				WWM			Korea
				S/H			
				APC	Destruction of pollutants (such as VOC) by heating polluted air and oxidation of organic components.	OECD APEC	New Zealand
		Parts of HS 8514					Chinese Taipei
Parts for industrial or laboratory furnaces, ovens or heating equipment	Parts of industrial or laboratory electric furnaces and ovens or other laboratory induction or dielectric heating equipment (specifically parts of waste incinerators)	S/H		OECD APEC	United States		
326.	851610	Liquid pumps	Water heating machine using heating pumps	RM			Japan
		Electric instantaneous or storage water heaters and immersion heaters; electric space heating apparatus and soil heating apparatus; electro-thermic hair-dressing apparatus (for example, hair dryers, hair curlers, curling tong heaters) and hand dryers; electric smoothing irons; other electrothermic appliances of a kind used for domestic purposes; electric heating resistors, other than those of heading 85.45. - Electric instantaneous or storage water heaters and immersion heaters.	Domestic immersion heaters and water kettles.	EPP			Switzerland
327.	851629	Electric space heating apparatus and electric soil heating apparatus; other	Electric space heating and soil heating apparatus	S/H			Japan
		Other electric space heating and soil heating apparatus					Korea
					R/C	Use heat to disinfect or remove organic compounds (e.g. pesticides, hydrocarbons) from soil, and to dry contaminated soil prior to treatment processes.	OECD
328.	851650	Microwave ovens	Resource efficient type	CT/P			Japan
329.	851660	Other ovens; cookers, cooking plates, boiling rings, grillers and roasters	IH electric cooker	CT/P			Japan

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
330.	851679	Electric instantaneous or storage water heaters and immersion heaters; electric space heating apparatus and soil heating apparatus; electro-thermic hair-dressing apparatus (for example, hair dryers, hair curlers, curling tong heaters) and hand dryers; electric smoothing irons; other electro-thermic appliances of a kind used for domestic purposes; electric heating resistors, other than those of heading 85.45; Other	IH rice cookers	CT/P			Japan
331.	851690	Electric instantaneous or storage water heaters and immersion heaters; electric space heating apparatus and soil heating apparatus; electro-thermic hair-dressing apparatus (for example, hair dryers, hair curlers, curling tong heaters) and hand dryers; electric smoothing irons; other electrothermic appliances of a kind used for domestic purposes; electric heating resistors, other than those of heading 85.45. - Parts.	Domestic immersion heaters and water kettles.	EPP			Switzerland
332.	852691	Radar apparatus, radio navigational aid apparatus and radio remote control apparatus; radio navigational aid apparatus	Car navigation system capable of receiving traffic jam information	CT/P			Japan
333.	852812	Reception apparatus for television, whether or not incorporating radio-broadcast receivers or sound or video recording or reproducing apparatus; colour	PDP type	CT/P			Japan
			LCD type				
334.	852830	Video projectors	LCD type	CT/P			Japan
335.	8530	Electrical signalling, safety or traffic control equipment for railways, tramways, roads, inland waterways, parking facilities, port installations or airfields (other than those of heading 86.08).	For railway.	CT/P			Switzerland
336.	853080	Other electrical signalling, safety or traffic control equipment		H/EM			Canada
337.	853180	Gas or smoke detectors and alarms, monitors, including sensors. Parts thereof.		APC			European Communities
338.	853190	Gas or smoke detectors and alarms, monitors, including sensors. Parts thereof.		APC			European Communities
339.	8535	Electrical apparatus for switching or protecting electrical circuits, or for making connections to or in electrical circuits (for example, switches, fuses, lightning arresters, voltage limiters, surge suppressors, plugs, junction boxes), for a voltage exceeding 1,000 volts.	For railway.	CT/P			Switzerland
340.	8536	Electrical apparatus for switching or protecting electrical circuits, or for making connections to or in electrical circuits (for example, switches, relays, fuses, surge suppressors, plugs, sockets, lamp-holders, junction boxes), for a voltage not exceeding 1,000 volts.	For railway.	CT/P			Switzerland

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
341.	8539	Compact fluorescent lamps.		HEP	Reduction of energy consumption. Lifetime between 6.000 and 12.000 hours. Energy efficiency : 90% of the energy used is transformed into light (5% for a classic bulb). Recyclable packaging.		European Communities
		Fluorescent tubes			Lifetime around 10.000 hours, up to over 20.000 hours		
342.	853931	Discharge lamps, fluorescent, hot cathode		H/EM			Canada
		Electric filament or discharge lamps, including sealed beam lamp units and ultra-violet or infra-red lamps; arc-lamps; fluorescent, hot cathode					Japan
		Discharge lamps, other than ultra-violet lamps: fluorescent lamps, hot cathode			Fluorescent lamps are more energy efficient than incandescent light bulbs of an equivalent brightness, as less energy input is lost as heat. They also have a longer lamp life.	OECD	New Zealand
343.	853949	Ultraviolet or infrared lamps	UV lamps (specifically UV disinfection equipment)	WWM			United States
344.	854140	Photovoltaic diodes	Photosensitive diodes / Solar cells	REP			Canada
		PV module.			The whole system is classified under 8502.39.		European Communities
		Parts: Solar cells.		RM			Japan
			Solar electric generators Solar panel				
		Photosensitive semiconductor devices, including photovoltaic cells whether or not assembled in modules or made up into panels; light emitting diodes	Solar cells	REP	Solar photovoltaic cells generate electricity in an environmentally benign manner (with no emissions, noise or heat generated). They are particularly suited to electricity generation in locations remote from an electricity grid.	OECD APEC	New Zealand
		Photosensitive semiconductor device including photovoltaic cell etc	Photosensitive semiconductor devices, including photovoltaic cells whether or not assembled in modules or made up into panels; light emitting diodes (specifically solar cells)				United States
345.	854330	Machines elsewhere specified and apparatus for electroplating, electrolysis or electrophoresis	Chloralkali electrolyser cells	S/H			Canada

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
346.	854389	Ozonisers and parts thereof, UV disinfection technology.		WWM	Water disinfection		European Communities
			Ozone generator				Chinese Taipei
		Parts of electrical machines and apparatus, having individual functions, not specified or included elsewhere in this Chapter	Ozone production system				Japan
		Electrical machines and apparatus, having individual functions, not specified or included elsewhere in this chapter; other	Ionized water purifier, ozone production system				Korea
			Ozone production system	R/C	Ozone (O <sub>3</sub> ) can be used as an alternative to chlorine for water disinfection.	APEC	New Zealand
			Ultraviolet water disinfection/treatment systems	R/C			
		Electrical machines and apparatus, having individual functions, not elsewhere specified or included	Electrical machines and apparatus, having individual functions, not specified or included elsewhere in this chapter; other (specifically Ozone production system)	WWM		OECD APEC	United States
347.	854390	Ozonisers and parts thereof, UV disinfection technology.		WWM	Water disinfection		European Communities
348.	8544	Insulated (including enamelled or anodised) wire, cable (including co-axial cable) and other insulated electric conductors, whether or not fitted with connectors; optical fibre cables, made up of individually sheathed fibres, whether or not assembled with electric conductors or fitted with connectors.	For railway.	CT/P			Switzerland
349.	8546	Electrical insulators of any material.	For railway.	CT/P			Switzerland
350.	8601	Rail locomotives powered from an external source of electricity or by electric accumulators.		CT/P			Switzerland
				HEP	Rail transport, especially electrified, is conducive to sustainable transport solutions (energy efficiency, low air pollution, low GHG emissions).		European Communities
351.	8602	Other rail locomotives; locomotive tenders.		CT/P			Switzerland
352.	8603	Self-propelled railway or tramway coaches, vans and trucks, other than those of heading 86.04.		CT/P			Switzerland
		Self-propelled railway or tramway coaches, vans and trucks, other than those of heading 8604, powered from an external source of electricity or by electric accumulators.		HEP	Includes underground train.		European Communities
353.	8604	Railway or tramway maintenance or service vehicles, whether or not self-propelled (for example, workshops, cranes, ballast tampers, trackliners, testing coaches and track inspection vehicles).		CT/P			Switzerland

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
354.	8605	Railway or tramway passenger coaches, not self-propelled; luggage vans, post office coaches and other special purpose railway or tramway coaches, not self-propelled (excluding those of heading 86.04).		CT/P			Switzerland
355.	8606	Railway or tramway goods vans and wagons, not self propelled.		CT/P			Switzerland
				HEP			European Communities
356.	8607	Parts of railway or tramway locomotives or rolling-stock.		CT/P			Switzerland
				HEP			European Communities
357.	8608	Railway or tramway track fixtures and fittings; mechanical (including electro-mechanical) signalling, safety or traffic control equipment for railways, tramways, roads, inland waterways, parking facilities, port installations or airfields; parts of the foregoing.		CT/P			Switzerland
		Equipment for railways or tramways		HEP			European Communities
358.	8609	Containers specially designed and equipped for carriage of liquid or solid waste.		S/H			European Communities
		Containers specially designed and equipped for carriage by one or more modes of transport.		HEP			
		Containers (including containers for the transport of fluids) specially designed and equipped for carriage by one or more modes of transport.	Railway use	CT/P			Switzerland
359.	8702	Motor vehicles for the transport of ten or more persons, including the driver.		CT/P			Switzerland
360.	870290	Motor vehicles for the transport of ten or more persons, including the driver: other	Electric and hybrid vehicles	CT/P	Electric vehicles do not produce greenhouse gas emissions (CO <sub>2</sub> etc). Hybrid vehicles are powered by both a battery and an internal combustion engine, and emit significantly less pollutants and greenhouse gases than conventional motor vehicles.	OECD	New Zealand
361.	870322	Motor cars and other motor vehicles principally designed for the transport of persons (other than those of heading No. 87.02), including station wagons and racing cars; of a cylinder capacity exceeding 1,000 cc but not exceeding 1,500 cc	Hybrid car	CT/P			Japan
			Hybrid vehicles			Hybrid vehicles are powered by both a battery and an internal combustion engine, and emit significantly less pollutants and greenhouse gases than conventional motor vehicles.	OECD
362.	870390	Motor cars and other motor vehicles principally designed for the transport of persons (other than those of heading No. 87.02), including station wagons and racing cars; other	Cars designed for defusing nuisance	CT/P			Japan
			Electric vehicles			Electric vehicles do not produce greenhouse gas emissions (CO <sub>2</sub> etc).	OECD
363.	8704	Composting systems of organic matter : - Machinery, apparatus and vehicles for composting.		S/H	E.g. Grinding and mixing machines for biowaste; Tunnels composed of a hermetic reactor with automatic aeration and feeding systems.		European Communities
		Recycling vehicles/refuse disposal vehicles					

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
364.	870590	Vehicles for urban and beach cleaning.		S/H	E.g. Litter sweeper, beach cleaning machines.		European Communities
		Special purpose motor vehicles, other than those principally designed for the transport of persons or goods (for example, breakdown lorries, crane lorries, fire fighting vehicles, concrete-mixer lorries, road sweeper lorries, spraying lorries, mobile work)	Refuse disposal vehicle				Japan
365.	8708	Parts and accessories of the motor vehicles of headings 87.01 to 87.05.	As applicable to 8702.	CT/P			Switzerland
366.	870829	Parts and accessories of bodies of motor vehicles, not elsewhere specified or included	Parts and accessories of the motor vehicles of headings 8701 to 8705; other (specifically refuse collection/compaction bodies)	S/H			United States
367.	870892	Silencers and exhaust pipes		N/V			Japan
		Silencers and exhaust pipes for motor vehicles.					Korea
							European Communities
368.	871200	Bicycles and other cycles (including delivery tricycles), not motorised.		CT/P			Switzerland
369.	871491	Parts and accessories of vehicles of headings 87.11 to 87.13. - Other: - Frames and forks, and parts thereof.	For bicycles.	CT/P			Switzerland
370.	871492	Parts and accessories of vehicles of headings 87.11 to 87.13. - Other: - Wheel rims and spokes.	For bicycles.	CT/P			Switzerland
371.	871493	Parts and accessories of vehicles of headings 87.11 to 87.13. - Other: - Hubs, other than coaster braking hubs and hub brakes, and free-wheel sprocket-wheels.	For bicycles.	CT/P			Switzerland
372.	871494	Parts and accessories of vehicles of headings 87.11 to 87.13. - Other: - Brakes, including coaster braking hubs and hub brakes, and parts thereof.	For bicycles.	CT/P			Switzerland
373.	871495	Parts and accessories of vehicles of headings 87.11 to 87.13. - Other: - Saddles.	For bicycles.	CT/P			Switzerland
374.	871496	Parts and accessories of vehicles of headings 87.11 to 87.13. - Other: - Pedals and crank-gear, and parts thereof.	For bicycles.	CT/P			Switzerland
375.	871499	Parts and accessories of vehicles of headings 87.11 to 87.13. - Other: - Other.	For bicycles.	CT/P			Switzerland
376.	871640	Trailers and semi-trailers; other vehicles, not mechanically propelled; parts thereof. - Other trailers and semi-trailers.	For bicycles.	CT/P			Switzerland
377.	871690	Trailers and semi-trailers; other vehicles, not mechanically propelled; parts thereof. - Parts.	Parts of bicycle trailers.	CT/P			Switzerland
378.	890120	Tankers	Double-hulled oil tankers	CT/P			Japan
379.	890190	Barges and similar vessels for the transport of persons or goods, on inland waterways. Parts thereof		HEP	Inland waterways are a sustainable alternative to road transport (energy efficiency, safe, lower air pollution)		European Communities

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER SISTS	MEMBER
380.	890391	Yachts and other vessels for pleasure or sports; rowing boats and canoes. - Other: - Sailboats, with or without auxiliary motor.	Without auxiliary motor.	CT/P			Switzerland
381.	890399	Yachts and other vessels for pleasure or sports; rowing boats and canoes. - Other : - Other.	Without auxiliary motor.	CT/P			Switzerland
382.	890710	Inflatable rafts	Inflatable oil spill recovery barges	R/C	Floating barriers to oil can prevent an oil slick from reaching sensitive locations or spreading out further.		Canada
						Japan	
		Inflatable rafts (specifically inflatable oil spill recovery barges)	APEC			New Zealand	
		Inflatable oil spill recovery barges	APEC			United States	
		Inflatable oil spill recovery barges and tanks				Chinese Taipei	
						European Communities	
						Canada	
383.	890790	Other floating structures	Pollution protection booms, oil absorbent booms	R/C	Floating barriers to oil can prevent an oil slick from reaching sensitive locations or spreading out further. Oil absorbents soak up and remove the oil.	APEC	New Zealand
		Other floating structures; other	Pollution protection booms				Korea
							Japan
		Floating structure except inflatable rafts	Floating structure except inflatable rafts (specifically pollution protection booms)			APEC	United States
		Pollution protection booms, oil containment booms, oil absorbent booms.					European Communities
384.	900190	Lenses prisms mirrors optical element not optically work	Mirrors of other than glass (specifically for solar concentrator systems)	REP			United States
385.	900290	Prism, mirrors, mounted and parts & accessories, not elsewhere specified or included	Mirrors of glass (specifically for solar concentrator systems)	REP			United States
386.	901320	Lasers, other than laser diodes		S/H			Canada
						Japan	
				R/C		Korea	
				S/H	Hazardous waste storage and treatment equipment.	OECD	New Zealand
387.	901380	Flat panel displays devices (including LCD, electro luminescence, plasma, vacuum fluorescence and other technologies) for products falling within this agreement, and parts thereof		CT/P			Japan
388.	901530	Hydrological, oceanographic, meteorological instruments and appliances, and parts thereof		M/A	Includes levels, limnigraphs, seismic instruments, machinery and apparatus for measuring the ozone layer, etc.		European Communities



ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER	
389.	901540	Photogrammetrical surveying instruments and appliances		M/A			Canada	
							Japan	
						APEC	United States	
				NRM	Photogrammetry is an aerial remote sensing technique which forms the baseline of many Geographic Information Systems (GIS) and Land Information Systems (LIS), which are important for monitoring and managing natural risks such as floods, earthquakes.	APEC	New Zealand	
390.	901580	Hydrological, oceanographic, meteorological instruments and appliances, and parts thereof		M/A	Includes levels, limnigraphs, seismic instruments, machinery and apparatus for measuring the ozone layer, etc.		European Communities	
		Other instruments and appliances used in geodesy, topography, hydrography, oceanography, hydrology, meteorology or geophysics (excl. compasses, rangefinders, theodolites, tacheometers )					Canada	
		Other surveying, hydrographic, oceanographic, hydrological, meteorological or geophysical instruments and appliances, excluding compasses		NRM	Necessary to monitor, measure and assist planning for natural risks such as earthquakes, cyclones, tsunamis etc.	APEC	Japan	New Zealand
		Surveying instruments and appliances, not elsewhere specified or included, etc.		M/A			United States	
391.	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	M/A			Canada	
		Parts and accessories of surveying, hydrological, meteorological, or geophysical instruments and appliances, excluding compasses		NRM	Photogrammetry is an aerial remote sensing technique which forms the baseline of many Geographic Information Systems (GIS) and Land Information Systems (LIS).	APEC	New Zealand	
		Parts and accessories for surveying etc not elsewhere specified or included		M/A		APEC	Japan	United States
		Hydrological, oceanographic, meteorological instruments and appliances, and parts thereof			Includes levels, limnigraphs, seismic instruments, machinery and apparatus for measuring the ozone layer, etc.			European Communities

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
392.	902229	Apparatus based on the use of alpha, beta, or gamma radiations, for other uses		M/A			Canada
		Apparatus based on the use of X-rays or of alpha, beta or gamma radiations for other than medical, surgical, dental or veterinary uses			Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	APEC	New Zealand
		Apparatus use of alpha beta gamma radiations not for medical, surgical etc				APEC	United States
393.	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	M/A			Canada
		X-ray/high tension generator control panel and desk examination/ treatment table part	Apparatus based on the use of X-rays or of alpha, beta or gamma radiations for other than medical, surgical, dental or veterinary uses (specifically parts and accessories for goods of subheading 9022.29)		Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	APEC	New Zealand
							United States
394.	9025	Thermometers, pyrometers, hydrometers, hygrometers, salinometer and parts thereof		WWM			European Communities
395.	902511	Thermometers and pyrometers, not combined with other instruments: liquid-filled, for direct reading	Clinical thermometers	M/A			Canada
							Japan
					Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	OECD APEC	United States New Zealand
396.	902519	Thermometers and pyrometers, not combined with other instruments: other than liquid-filled, for direct reading	Clinical thermometers / Pyrometers	M/A			Canada
		Thermometers/ pyrometers not combined with other instruments, not elsewhere specified or included			Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	OECD APEC	Japan New Zealand United States
397.	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	M/A			Canada
		Hydrometers and similar floating instruments, hygrometers, etc, not elsewhere specified on included					Korea
		Hydrometers and similar floating instruments, thermometers pyrometers, barometers, hygrometers, and psychrometers, recording or not, and any combination of these instruments; other instruments					Japan
			Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.		OECD APEC	United States New Zealand	

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
398.	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	M/A			Canada
						Japan	
		Parts, hydrometers, thermometers, pyrometers, etc		NRM	Necessary to monitor, measure and assist planning for natural risks such as earthquakes, cyclones, tsunamis etc.	APEC	New Zealand
		Hydrometers and similar floating instruments, thermometers pyrometers, barometers, hygrometers, and psychrometers, recording or not, and any combination of these instruments: parts and accessories		M/A			United States
399.	9026	Instruments for measuring or checking the flow, level, pressure or other variables of liquids and parts thereof		WWM			European Communities
			Air quality monitor, Dust emissions monitor. Parts thereof.		APC		
400.	902610	Instruments and apparatus for measuring or checking the flow or level of liquid	Electrical flow meters	M/A	Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	OECD APEC	Canada
							Japan
							New Zealand
				United States			
				WWM			Korea
401.	902620	Instruments and apparatus for measuring or checking pressure	Electrical instruments and apparatus	M/A	Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	OECD APEC	Canada
							Japan
							New Zealand
				United States			
				WWM			Korea
402.	902680	Other instruments and apparatus	Electrical heat meters	M/A	Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	OECD APEC	Canada
							Japan
		Instruments measure/checking variable of liquids/ gases, not elsewhere specified or included					
		Other instruments and apparatus for measuring or checking the flow, level, pressure or other variables of liquids or gases			United States		
		Bio-electricity and bio-heat from waste: See product examples under category S/H – "Waste treatment and disposal, including recycling" for combustion/incineration and landfill gas production from waste. (See TN/TE/W/56, pp. 5-6)		REP	Biomass exploitation needs careful resource management if it is to be sustainable. Since practice can vary, examples chosen for this list focus on waste recovery (agricultural and forestry residues, biodegradable fraction of municipal solid waste).		European Communities

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER	
403.	902690	Parts and accessories for articles of subheading 9026		M/A	Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	OECD APEC	Canada	
							Japan	
							Korea	
		Parts, instruments and apparatus measure/check variables liquids/gas					New Zealand	
							United States	
404.	9027	Gas or smoke detectors and alarms, monitors, including sensors. Parts thereof.		APC			European Communities	
		Instruments and apparatus for physical or chemical analysis and parts thereof		R/C	Analysis of hydrocarbons and heavy metals in the soil			
				WWM				
405.	902710	Gas or smoke analysis apparatus		M/A	Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	OECD APEC	Canada	
							Japan	
							United States	
							New Zealand	
		Air pollution emission monitoring systems						Chinese Taipei
		Air quality monitoring systems						
Gas, smoke and particles analysis apparatus, and parts thereof		APC			European Communities			
406.	902720	Chromatographs and electrophoresis instruments	Gas chromatographs	M/A	Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	OECD APEC	Canada	
			Liquid chromatographs				Japan	
			Electrophoresis instruments				Korea	
							United States	
							New Zealand	
			Chromatograph					Chinese Taipei
			Electrophoresis instrument					
407.	902730	Spectrometers, spectrophotometers and spectrographs using optical radiations (ultraviolet, visible, infrared)		M/A	Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	OECD APEC	Canada	
							Japan	
							New Zealand	
		Spectrometers, spectrophotometers etc using optical radiations					United States	
		Spectrophotometer					Chinese Taipei	
		Spectrograph						
	Mass spectrometer							

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
408.	902740	Exposure meters	Exposure meters	M/A	Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	OECD APEC	Canada
							Japan
							Korea
							New Zealand
							United States
409.	902750	Other instruments and apparatus using optical radiations (UV, visible, IR)	Thermal analysis instruments and apparatus	M/A	Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	OECD APEC	Canada
			Other chemical analysis Photometers instruments and apparatus				
			Other chemical analysis instruments and apparatus				
			Japan				
	Korea						
		Instruments etc using optical radiations not elsewhere specified or included					New Zealand
							United States
410.	902780	Other instruments and apparatus for physical or chemical analysis	Nuclear magnetic resonance instruments	M/A	Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	OECD APEC	Canada
			Mass spectrometers				
			Electrochemical analysis instruments and apparatus				
			Chemical analysis instruments and apparatus				
			Physical analysis instruments and apparatus				
			Japan				
			Korea				
							Physical chemical instruments/apparatus; measuring viscosity and heat, not elsewhere specified or included
							United States
		Waste water pollutants monitoring systems					Chinese Taipei
		Waste analysis equipment					
		Noise vibration monitoring equipment					
		Instruments and apparatus for measuring, checking or analysing noise; parts and accessories thereof		N/V			European Communities

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
411.	902790	Instruments and apparatus for measuring, checking or analysing noise; parts and accessories thereof		N/V			European Communities
		Microtomes; parts and accessories	Microtomes	REP			Canada
				M/A			Japan
					Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.		Korea
						OECD APEC	New Zealand
Parts of instruments, physique/ chemical analysis etc, not elsewhere specified or included					United States		
412.	902810	Gas meters		M/A			Japan
					OECD APEC	United States	
				H/EM	Meters are necessary to measure and regulate use and hence enable more efficient use of the resource.	OECD APEC	Canada
		Bio-electricity and bio-heat from waste: See product examples under category S/H – "Waste treatment and disposal, including recycling" for combustion/incineration and landfill gas production from waste. (See TN/TE/W/56, pp. 5-6)		REP	Biomass exploitation needs careful resource management if it is to be sustainable. Since practice can vary, examples chosen for this list focus on waste recovery (agricultural and forestry residues, biodegradable fraction of municipal solid waste).		European Communities
413.	902820	Liquid meters		M/A		OECD APEC	Japan
						United States	
				H/EM	Meters are necessary to measure and regulate use and hence enable more efficient use of the resource.	OECD APEC	Canada
		Water consumption meters and parts thereof.		WWM			New Zealand
414.	902830	Electricity meters		H/EM			European Communities
							Canada
				M/A	Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	APEC	Japan
							United States
415.	902890	Water consumption meters and parts thereof.		WWM			European Communities
		Parts and accessories for articles of subheading 9028	Of gas meters	REP			Canada
			Of liquid meters				Japan
				M/A	Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	APEC	Korea
							New Zealand
Part and accessories for gas, liquid and electricity supply meter including calibrating meter					United States		

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER	
416.	902920	Revolution counters, production counters, taximeters, mileometers, pedometers and the like; speed indicators and tachometers, other than those of heading 90.14 or 90.15; stroboscopes.- Speed indicators and tachometers; stroboscopes.	Speed indicators for bicycles.	CT/P			Switzerland	
417.	902990	Revolution counters, production counters, taximeters, mileometers, pedometers and the like; speed indicators and tachometers, other than those of heading 90.14 or 90.15; stroboscopes. - Parts and accessories.	As applicable to 908920ex	CT/P			Switzerland	
418.	903010	Instruments and apparatus for measuring or detecting ionising radiations		REP			Canada	
							Japan	
							Korea	
		Instruments for measuring/detecting ionising radiations		M/A	Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	OECD APEC	United States New Zealand	
		Instruments and apparatus for measuring or detecting ionising radiations and radioactivity and parts thereof		R/C			European Communities	
419.	903020	Cathode-ray oscilloscopes and cathode-ray oscillographs		REP			Canada	
							Japan	
				M/A	Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	APEC	New Zealand	
							United States	
420.	903031	Multimeters		REP			Canada	
							Japan	
							Korea	
				M/A	Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	APEC	New Zealand	
		Multimeters without a recording device					United States	
421.	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	REP			Canada	
							Japan	
			Volt meters					
			Am meters		M/A	Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	APEC	New Zealand
			Circuit testers					
			Resistance meters					
Galvano meters								
		Instruments measuring voltage current etc without recording device, multimeter				APEC	United States	

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
422.	903083	Other instruments and apparatus for measuring or checking electrical quantities, with a recording device		REP			Canada
						Japan	
						Korea	
		Instruments and apparatus with recording device, not elsewhere specified or included		M/A	Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	APEC	New Zealand
						United States	
423.	903089	Other instruments and apparatus for measuring or checking electrical quantities		REP			Canada
						Japan	
				M/A	Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	APEC	New Zealand
		Instruments measuring/checking electrical quantities, not elsewhere specified or included				United States	
424.	903090	Parts and accessories for nominated articles of subheading 9030		REP			Canada
						Japan	
						Korea	
			M/A	Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	APEC	New Zealand	
		Parts of instruments of measuring electrical quantities alpha beta ionizing radiation	Parts and accessories (for nominated articles of subheading 9030) (specifically parts and accessories (for nominated articles of subheading 9030))			United States	
Instruments and apparatus for measuring or detecting ionising radiations and radioactivity and parts thereof		R/C			European Communities		
425.	903110	Machines elsewhere specified for balancing mechanical parts		REP			Canada
		Machines for balancing mechanical parts				Japan	
				M/A	Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	APEC	New Zealand
						United States	
426.	903120	Test benches		REP			Canada
						Japan	
				M/A	Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	APEC	New Zealand
					United States		



ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
427.	903130	Profile projectors		REP			Canada
				M/A	Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	APEC	Japan
							Korea
							New Zealand
		United States					
428.	903149	Other optical instruments, appliances and machines elsewhere specified for measuring or checking		REP			Canada
		Other optical instruments		M/A	Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	OECD	Korea
		Other measuring and checking instruments, appliances and machines, not specified or included elsewhere in this chapter					Japan
			New Zealand				
429.	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	REP			Canada
		Other measuring or checking instruments, appliances and machines, not elsewhere specified in this chapter		M/A	Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	OECD APEC	Japan
		Measuring and checking instrument, appliances and machines not elsewhere specified or included					New Zealand
		Instruments and apparatus for measuring, checking or analysing vibrations; parts and accessories thereof		N/V	Vibrometers, hand vibration meters		United States
430.	903190	Instruments and apparatus for measuring, checking or analysing vibrations; parts and accessories thereof		N/V	Vibrometers, hand vibration meters		European Communities
		Parts and accessories for nominated articles of subheading 9031		REP			Canada
				M/A	Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	APEC	Korea
		Parts, of machines not elsewhere specified or included in this chapter and profile projector					New Zealand
		Parts and accessories of HS headings 9031					United States
			Japan				
431.	9032	Automatic regulating or controlling instruments and apparatus for the regulation of gaseous or liquid fluids.		WWM			European Communities
432.	903210	Thermostats		REP			Canada
				M/A	Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	OECD APEC	Japan
							New Zealand
			United States				

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
433.	903220	Manostats		REP			Canada
							Japan
							Korea
				M/A	Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	OECD APEC	New Zealand
						United States	
434.	903281	Hydraulic and pneumatic instruments and apparatus	Industrial process control instruments and apparatus	REP			Canada
							Japan
							Korea
			M/A	Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	OECD APEC	New Zealand	
		Hydraulic/pneumatic automatic regulating/ control instruments/ apparatus				United States	
435.	903289	Automatic regulating or controlling instruments, other	Temperature control instruments	REP			Canada
			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				
							Japan
							Korea
		Automatic regulating instruments and apparatus, ex thermostat, manostat, etc		M/A			United States
		Automatic regulating or controlling instruments and apparatus, other			OECD APEC	New Zealand	
436.	903290	Parts and accessories – automatic regulating or controlling instruments		REP			Canada
		Parts and accessories					Japan
		Parts, automatic regulating/ controlling instruments and apparatus		M/A	Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	APEC	New Zealand
		Parts and accessories for nominated articles of subheading 9032					United States
						Korea	

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER	
437.	903300	Gas or smoke detectors and alarms, monitors, including sensors. Parts thereof.		APC			European Communities	
		Air quality monitor, Dust emissions monitor. Parts thereof.						
		Gas, smoke and particles analysis apparatus, and parts thereof						
			Parts and accessories (not specified or included elsewhere in this Chapter) for machines elsewhere specified, appliances, instruments or apparatus of Ch. 90		REP			Canada
			Parts and accessories (not specified or included elsewhere in this chapter) for machines, appliances, instruments or apparatus of Ch. 90		M/A			Japan
								Korea
	Parts, not elsewhere specified or included for machines, appliances, instruments / apparatus of chap. 90			Equipment used in the measurement, recording, analysis and assessment of environmental samples or environmental impact.	APEC	New Zealand		
						United States		
438.	920999	Parts (for example, mechanisms for musical boxes) and accessories (for example, cards, discs and rolls for mechanical instruments) of musical instruments; metronomes, tuning forks and pitch pipes of all kinds. - Other: - Other.	Strings made of sisal for percussion instruments.	EPP			Switzerland	
439.	940320	Waste containers, whether or not combined with a compactor.		S/H	Containers of any material, of any form, for liquid or solid waste, including for municipal or dangerous waste.		European Communities	
440.	950720	Fish-hooks, whether or not snelled	Fishing rods, fish hooks, and other line fishing tackle, fish landing, etc.; parts and accessories thereof; other (specifically circle hooks)	RM			United States	
441.	960310	Brooms and brushes, consisting of twigs or other vegetable materials bound together, with or without handles		S/H			Japan	
						Waste collection equipment.	OECD	Chinese Taipei New Zealand
442.	960350	Other brushes constituting parts of machines, appliances or vehicles		S/H			Japan	
						Waste collection equipment.	OECD	Korea New Zealand
443.	960390	Brooms, brushes (including brushes constituting parts of machines, appliances or vehicles), hand-operated mechanical floor sweepers, not motorised, mops and feather dusters; prepared knots and tufts for broom or brush making; paint pads and rollers; squeegees	Mechanical floor sweepers	S/H			Japan	
		Hand-operated mechanical floor sweepers, not motorised, mops					Korea	
			Prepared knots and tufts for brooms or brush making			Used for maintaining a clean environment.		Chinese Taipei
444.	Not provided	Rainwater catchment system		WWM			European Communities	
445.	Not provided	Fog and/or dew catcher.		WWM			European Communities	

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
446.	Not provided	Chlorine dioxide generator.		WWM	Water disinfection		European Communities
447.	Not provided	Wastewater treatment plant. Wastewater treatment unit, for individual use, and parts thereof		WWM	E.g. Used by households or services companies. A specific tariff code could be provided		European Communities
448.	Not provided	Thermal treatment/Incineration systems recovering energy, equipped with filters for atmospheric emissions control		S/H	Includes combustion, gasification and pyrolysis technologies. Includes systems for co-generation of heat and power.		European Communities
449.	Not provided	Biological treatment of organic waste, including production of biogas		S/H	Biological processes that convert organic matter into biogas and steam/electricity.		European Communities
450.	Not provided	Solar collector and solar system controller: Solar absorber.		REP			European Communities
451.	Not provided	Solar collector and solar system controller: Insulation.		REP			European Communities
452.	Not provided	Solar collector and solar system controller: Temperature sensor.		REP			European Communities
453.	Not provided	Solar collector and solar system controller: Differential temperature controller.		REP			European Communities
454.	Not provided	Solar collector and solar system controller: Evacuated glass tubes.		REP			European Communities
455.	Not provided	Solar collector and solar system controller: Heat pipes.		REP			European Communities
456.	Not provided	PV system controller.		REP			European Communities
457.	Not provided	Deep discharge (solar) battery.		REP			European Communities
458.	Not provided	PV module mounting/frame.		REP			European Communities
459.	Not provided	Heliostats, parabolic mirrors.		REP			European Communities
460.	Not provided	Sun tracking mountings.		REP			European Communities
461.	Not provided	Solar boiler (water heater). Parts thereof.		REP			European Communities
462.	Not provided	Parabolic mirrors for electricity production and parts thereof.		REP			European Communities
463.	Not provided	Solar pumping system & parts thereof.		REP			European Communities
464.	Not provided	Solar cooking system & parts thereof.		REP			European Communities
465.	Not provided	Portable solar power generation equipment and parts thereof.		REP	Composed of a solar PV generator and accumulators.		European Communities
466.	Not provided	Solar desalinisator and parts thereof.		REP			European Communities
467.	Not provided	Wind turbine: Nacelle.		REP			European Communities
468.	Not provided	Wind turbine: Wind turbine blade.		REP			European Communities

ENTRY	HS	MEMBER'S DESCRIPTION	EX-OUT / ADDITIONAL PRODUCT SPECIFICATION	CATEGORY	REMARKS / ENVIRONMENTAL BENEFIT	OTHER LISTS	MEMBER
469.	Not provided	Wind turbine: Wind turbine gearbox.		REP			European Communities
470.	Not provided	Wind powered pumping system.		REP			European Communities
471.	Not provided	Wind powered pumping system: Nacelle.		REP			European Communities
472.	Not provided	Wind powered pumping system: Wind turbine blade.		REP			European Communities
473.	Not provided	Wind powered pumping system: Wind turbine gearbox.		REP			European Communities
474.	Not provided	Wind powered pumping system: Wind turbine tower.		REP			European Communities
475.	Not provided	Geothermal energy sensor system.		REP			European Communities
476.	Not provided	Space aeration system, with heat recovery.		REP			European Communities
477.	Not provided	Products that have a label delivered by an ecolabelling organisation member of the Global Ecolabelling Network (GEN).		HEP	GEN labels are ISO "type I" eco-labelling schemes that meet the general requirements and principles of ISO 14024 (including objective and scientifically-based criteria that take into account the life-cycle of the product).		European Communities
478.	Not provided	Fuel cell power plants*		CT/P	Environmental product used in technology		Qatar
479.	Not provided	Residential fuel cells*		CT/P	Environmental product used in technology		Qatar
480.	Not provided	Commercial fuel cells*		CT/P	Environmental product used in technology		Qatar

\* The Qatari submission provided the following information: Range of Increased Relative Conversion Efficiency (IRCE): 70%-85% (using waste heat). Significantly lower relative toxic pollutant emissions, toxic waste generation and negligible human health impact. Significantly lower GHG Emissions (CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O). Reference: US Dept. of Energy, IEA.

**ANNEX III**  
**LIST OF DOCUMENTS SUBMITTED BY MEMBERS UNDER PARAGRAPH 31(III)\***

Symbol	Date	Subject/Title	Member
TN/TE/W/6	6 June 2002	Environmental Goods	<b>New Zealand</b>
TN/TE/W/8	9 July 2002	Negotiations on Environmental Goods	<b>United States</b>
TN/TE/W/14	9 October 2002	Environmental Goods	<b>Qatar</b>
TN/TE/W/17 (and Corr.1)	20 November 2002	Market Access for Non-Agricultural Products	<b>Japan</b>
TN/TE/W/19 – TN/MA/W/24 (and Corr.1)	28 January 2003	Negotiations on Environmental Goods: Efficient, Lower-Carbon and Pollutant-Emitting Fuels and Technologies	<b>Qatar</b>
TN/TE/W/27 – TN/MA/W/33	25 April 2003	Harmonized System (HS) Classification Codes of Gas-Related Goods	<b>Qatar</b>
TN/TE/W/34 – TN/MA/W/18/Add.4	19 June 2003	Liberalizing Environmental Goods in the WTO: Approaching the Definition Issue	<b>United States</b>
TN/TE/W/38 – TN/MA/W/18/Add.5	7 July 2003	Contribution on an Environmental Goods Modality	<b>United States</b>
TN/TE/W/42	6 July 2004	Statement on Environmental Goods at the CTESS Meeting of 22 June 2004	<b>China</b>
TN/TE/W/44 (and Corr.1)	7 October 2004	Proposed Initial List of Environmental Goods	<b>Chinese Taipei</b>
TN/TE/W/46	10 February 2005	Environmental Goods	<b>New Zealand</b>
TN/TE/W/47	17 February 2005	Market Access for Environmental Goods	<b>European Communities</b>
TN/TE/W/47/Add.1	27 June 2005	Market Access for Environmental Goods - Addendum	<b>European Communities</b>
TN/TE/W/48	18 February 2005	Initial List of Environmental Goods Proposed	<b>Republic of Korea</b>
TN/TE/W/49	26 May 2005	Environmental Goods	<b>New Zealand</b>
TN/TE/W/49/Suppl.1	16 June 2005	Environmental Goods, Statement at the CTESS Informal Meeting of 10 June 2005 - Supplement	<b>New Zealand</b>
TN/TE/W/50	2 June 2005	Canada's Initial List of Environmental Goods	<b>Canada</b>
TN/TE/W/50/Suppl.1	1 July 2005	Canada's Initial List of Environmental Goods - Supplement	<b>Canada</b>
TN/TE/W/51	3 June 2005	An Alternative Approach for Negotiations under Paragraph 31(iii)	<b>India</b>
TN/TE/W/52	1 July 2005	Initial List of Environmental Goods	<b>United States</b>
TN/TE/W/54	4 July 2005	Structural Dimensions of the Environmental Project Approach	<b>India</b>
TN/TE/W/55	5 July 2005	Environmental Goods	<b>Cuba</b>
TN/TE/W/56	5 July 2005	EC Submission on Environmental Goods	<b>European Communities</b>
TN/TE/W/57	6 July 2005	Environmental Goods	<b>Switzerland</b>
TN/TE/W/59	8 July 2005	Environmental Goods for Development	<b>Brazil</b>
TN/TE/W/57/Corr.1	14 September 2005	Environmental Goods	<b>Switzerland</b>
TN/TE/W/60	19 September 2005	Procedural and Technical Aspects of the Environmental Project Approach	<b>India</b>
TN/TE/W/49/Rev.1	12 October 2005	Revised New Zealand Provisional List of Environmental Goods	<b>New Zealand</b>
TN/TE/W/62	14 October 2005	Integrated Proposal on Environmental Goods for Development	<b>Argentina</b>

\* The submissions containing lists of environmental goods are highlighted in grey.