

Environmental Choice^M Program

CERTIFICATION CRITERIA DOCUMENT

CCD-064



Product: Vehicle Dismantling Service

Preamble

Environment Canada's Environmental Choice^M Program is pleased to publish the following interim certification criteria document on *vehicle dismantling services*.

The Environmental Choice Program is designed to support a continuing effort to improve and/or maintain environmental quality by reducing energy and materials consumption and by minimizing the impacts of pollution generated by the production, use and disposal of goods and services available to Canadians.

Well over one million vehicles are taken out of service in Canada every year. The automobile industry has responded to this waste generation issue through progressive efforts to divert used cars and their materials from landfill, giving rise to a distinct automotive recycling (sub)industry. Waste diversion efforts by the automobile recycling industry take two basic forms: resale/reuse of parts recovered from used vehicles and recycling of base materials recovered from same. While contributing from an overall life-cycle point of view, this industry faces at least one major environmental issue: automotive shredder residue (ASR).

ASR is a mixture of glass, rubber, non-ferrous metals, plastics, foams and fibres, and (in at least some cases) fluids such as lubricants, coolant, etc. It is generated by the conventional vehicle "shredding" process, which focuses primarily on recovery of steel and other valuable metals for sale to the metals production industry. The ASR left behind by this process can exceed 300 kg, or up to 25% of the weight of the decommissioned vehicle; material which generally ends up in landfill. ASR can also potentially contain a variety of toxic/hazardous materials. It is possible to significantly reduce the amount of (and potentially eliminate) ASR through a diligent commitment to complete vehicle disassembly and material recovery.

Based on a review of currently available life cycle information, the following product category requirements will produce an environmental benefit through a reduction in materials going to landfill and reduction in potential release of harmful substances into the environment.

Notice

Throughout this document, any reference to a standard or guideline means to its latest edition.

The Environmental Choice^M Program (ECP) reserves the right to accept equivalent test data for the test methods specified in this document.

Interpretation

1. In this set of requirements, please note the following definitions:

“**automobile shredder residue**”, or ASR, means all materials remaining after a used vehicle is stripped of parts and had recyclable ferrous and non-ferrous materials removed. ASR generally includes materials such as, *inter alia*, rubber, glass, plastics, foams, and fluids.

“**ferrous materials**” means materials containing iron (i.e., steel and related alloys)

“**hazardous/toxic materials**” means substances that are recognized as being toxic or having other environmental impacts; these include, but are not limited to: fuels, engine coolants, lubricants and hydraulic fluids (oil, transmission fluid, brake fluid, etc.), refrigerants and mercury-containing switches;

“**non-ferrous materials**” means materials not containing iron; including, *inter alia*, other elemental metals and alloys thereof, glass, plastic, etc.

“**recycle**” means to recover post-consumer material and pre-consumer material for the purpose of processing the material for incorporation into a new material or product;

“**recycled material**” means post-consumer material and pre-consumer material. It does not include industrial scrap, except that proportion of the scrap which originated as post-consumer material and pre-consumer material;

“**remanufacture**” means the process of refurbishing and/or reconstructing a used part for the purpose of extending the life use of that part. Common examples in the automotive industry include, *inter alia*, alternators and batteries;

“**resell**” means the act of selling a part or component from a used vehicle that remains in directly usable condition (i.e. without needing remanufacturing) after the vehicle is retired from active service. Common examples include, *inter alia*, wheel rims and body panels. It is understood that such part are identified as “used” when resold;

“**reuse**” means to extend a product’s (or component thereof) life use by using it again in a like fashion (in the case of a vehicle component, this generally implies secondary use in another vehicle) or else using the product for a suitable alternative purpose;

“**vehicle**” means any motorized conveyance for transporting people and/or goods on roadways, including, *inter alia*, automobiles, trucks and motorcycles;

“**vehicle dismantling service**” means a commercial service which dismantles vehicles for the purpose of extracting usable parts and components and recyclable materials for reuse, remanufacture and/or resale.

General Requirements

2. To be authorized to carry the EcoLogo^M, the **vehicle dismantling service** must:

- (a) meet or exceed all applicable governmental and industrial safety and performance standards; and

- (b) be provided in such a manner that all steps of the process, including the disposal of waste products arising therefrom, will meet the requirements of all applicable governmental acts, by laws and regulations including, for facilities located in Canada, the *Fisheries Act* and the *Canadian Environmental Protection Act (CEPA)*.

Product Specific Requirements

- 3. To be authorized to carry the EcoLogo, the **vehicle dismantling service** must:
 - a) dismantle the vehicles 100%;
 - b) remove all hazardous/toxic materials from vehicle prior to physical dismantling;
 - c) reuse, resell or recycle (via a third party, where appropriate) all:
 - i) leftover fuels,
 - ii) windshield cleaning fluids,
 - iii) engine coolant,
 - iv) lubricants, and
 - v) refrigerants;
 - d) reuse, recycle or store on-site all parts of the vehicle as per the following hierarchy:
 - i) firstly, any potentially reusable part (e.g. no remanufacturing involved) must either be recovered for resale or reused by the licensee,
 - ii) secondly, any potentially remanufactured part must be either remanufactured on-site or sold/sent to a remanufacturer. This specifically includes, *inter alia* batteries and alternators,
 - iii) thirdly, all remaining materials must be recycled, reused or provided to a broker, including, *inter alia*, foam and fibre from car interior, non-ferrous metals such as copper, aluminum and tires,
 - iv) lastly, any materials that cannot be reused, recycled or remanufactured must be either sorted and safely stored on-site or diverted to appropriate non-landfill markets for disposition;
 - e) ensure that any automobile shredder residue (ASR) leftover from dismantling process:
 - i) is stored on-site and not sent directly to landfill,
 - ii) does not contain hazardous materials, and
 - iii) does not necessitate acquiring of a Certificate of Approval for storing of hazardous waste by the **vehicle dismantling service**;
 - f) actively support efforts to discover/develop markets for leftover ASR materials;
 - g) completely dismantle and separate all ferrous and non-ferrous materials as part of the seat dismantling process;

- h) store all parts and materials salvaged from the vehicle dismantling process either:
 - i) inside a secure warehouse, or
 - ii) if stored outside, within secure containment and under thorough weather protection;
- i) have sealed flooring areas and other appropriate containment measures at the facility to prevent leaking of fluids into ground and groundwater;
- j) use only environmentally preferable cleaning materials;
- k) not use the EcoLogo directly in association with the resale of any parts or of entire salvage vehicles; and
- l) provide a written 180 day warranty with all used parts that are sold..

Verification



- 4. To verify a claim that a service meets the criteria listed in this document, the ECP will require access, as is its normal practice, to relevant quality control and production records and the right of access to production facilities on an announced basis.
- 5. Compliance with requirement 2(b) shall be attested to by a signed statement of the Chief Executive Officer or the equivalent officer of the licensee. The ECP shall be advised in writing immediately by the licensee of any noncompliance which may occur during the term of the license. On the occurrence of any noncompliance, the license may be suspended or terminated as stipulated in the license agreement.

Conditions for EcoLogo Use

- 6. The EcoLogo may appear on signs or sign boards, point-of-purchase displays, delivery vehicles, and any accompanying advertising or corporate literature provided the service meets the requirements in this document.
- 7. All licensees and authorized users must comply with the ECP's *Guide to Proper Use of the EcoLogo^M* regarding the format and usage of the EcoLogo.
- 8. Any accompanying advertising must conform with the relevant requirements stipulated in this guideline, the license agreement and the ECP's *Guide to Proper Use of the EcoLogo^M*.
- 9. It is required that a criteria statement appear with the EcoLogo whenever the EcoLogo is used in association with the **vehicle dismantling service**. The intent of this statement is to provide clarification as to why the product was certified and to indicate constraints to which the certification is limited. This is to ensure no ambiguity over, or misrepresentation of, the reason(s) for certification.

The ECP recommended criteria statement wording for this product type is either “*vehicle dismantling service*” or “*service providing 100% dismantling of vehicles*”. The licensee may propose other wording for the criteria statement, but any such proposed wording must be approved by the Environmental Choice Program.

10. Any accompanying advertising specifically must not claim or imply that the vehicle is “100% recycled”, unless such claims can be verified by the ECP.

	<p>For more information about the EcoLogo™ Program, please direct your inquiry to: The EcoLogo™ Program 171 Nepean Street, Suite 400 Ottawa, ON, K2P 0B4 Phone: 1.800.478.0399 www.ecologo.org</p>	
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