

GREEN CHOICE PHILIPPINES

NELP-GCP - 2008021 AUTOMOTIVE SERVICE STATION

1. ENVIRONMENTAL SCENARIO

A well maintained automobile is more efficient, and therefore reduces air pollution and consumes fewer resources. Automobile maintenance, lubrication, repair and engine tune-up services are carried out at general automobile repair and tune-up service stations, while windshield repair, muffler repair shops offer more specialized services.

Automobile service stations use oils and solvents that have negative environmental impacts if not disposed of in a responsible manner. Some of the wastes are classified as hazardous and thus require special handling. Most are recycled, but others must be sent for disposal.

Based on product/service life cycle information, the service category requirements will produce an environmental benefit through reductions in solid wastes sent to landfill and reductions in the disposal of hazardous wastes.

2. DEFINITION OF TERMS

2.1. ABSORBENT

A substance used to absorb spills that may occur during the material transfer or as a result of structural failure of a container. Absorbent may include clay, sand, peat moss, sawdust or commercial compounds.

2.2. AUTOMOBILE

Passenger car and light commercial vehicles

2.3. AUTOMOBILE SERVICE STATION

Any facility that offers general car maintenance and repair services. This includes oil change and lubrication services. Facilities that offer specialized services, such as windshield repair facilities, paint and body shops and gas only stations are not included.

2.4. AUTOMOTIVE

Related to passenger cars and light commercial vehicles

2.5. DENR ADMINISTRATIVE ORDER 2004-08 (DENR AO 2004-08)

Revised Chemical Control Order for Ozone Depleting substances

2.6. DRIP TRAY

Any tray designed to collect waste fluids leaking from both automobile and auto parts.

2.7. ENGINE COOLANT

A mixture of engine coolant concentrate and water that is used as a heat exchange fluid to transfer heat from the engine block of an internal combustion engine and connected accessories to the air at the radiator within a closed loop circulatory system;

2.8. OIL AND LUBRICATING SERVICE

A facility offering some or all of the following: fluid level checking, engine/transmission/differential oil replacement, chassis/steering lubrication, and radiator flushing and engine coolant replacement.

2.9. RAG

Reusable or disposable cloth used in the clean-up of minor spills and removal of oil and grease from oil surface

2.10. RECLAIMED SOLVENT

Solvent that has been recovered or regenerated for reuse. This can be accomplished either on site or at an off-site facility

2.11. RECLAMATION

The re-purification of a waste product for reuse. This can be accomplished either on site or at an off-site facility

2.12. REFURBISHED AUTO PARTS

Any auto part that has been reconditioned to become reusable

2.13. TRANSPORTER OR TREATER

A person (natural or judicial) who is licensed to treat, store, recycle, or dispose of hazardous waste

2.14. WASTE FLUID

Any fluid generated as a result of the maintenance, repair or tune up of an automobile.

2.15. WASTE GENERATOR

A person (natural or judicial) who generates or produces hazardous wastes, through any, industrial or trade activities

2.16. WASTE TRANSPORTER

A person (natural or judicial) who is licensed to transport hazardous wastes

3. SCOPE

These criteria shall apply to automotive service stations.

4. GREEN CHOICE REQUIREMENTS

4.1. Product Quality Performance

The service performance shall be of high quality and perform well in their intended application. High standards of service performance are implicit in the station.

4.2. Product Environmental Performance

4.2.1 Compliance to Environmental Regulations

The applicant is required to comply with relevant environmental legislations. These include production process, transport and disposal features of the service

4.2.2 Used Oil

The applicant shall have an established and validated used oil retrieval and disposal system equivalent to 50% of its sold engine oil.

4.2.3. Used Tires

The applicant shall have an established and validated used tire retrieval system equivalent to 70% of its sold tires.

4.2.4. Used Batteries

The applicant shall have an established and validated used battery retrieval system equivalent to 70% of its sold automobile batteries.

4.2.5. Air-conditioning service

- The applicant shall not use any substances listed in DENR AO 2004-08
- The applicant shall have an established retrieval system for the refrigerant.

4.2.6. Other Service Waste

The applicant shall have an established recovery and disposal program for all its solid and liquid wastes such as:

- Contaminated rags and absorbent
- Oil filters
- Waste fluids e.g. brake fluid
- Engine coolant
- Automotive parts
- Bulbs
- Brake pads
- Scrap metals, rubbers, glass and plastics
- Others that pertains to automotive maintenance

4.3. Other Criteria

The service station shall have a program for the following

- Good housekeeping practices
- Emergency response procedure
- Routine Monitoring procedures
- Safety Program which includes but not limited to the following practices:
 - Drip trays in all bays to reduce spillage
 - Solvent recirculation sink including drip tray to reduce solvent losses

4. EVALUATION AND VALIDATION METHOD

PRODUCT CRITERIA	EVALUATION AND VALIDATION
4.1 PRODUCT QUALITY PERFORMANCE	
4.1.1 Product Quality Standard	The applicant shall submit a portfolio and statement in writing signed by the Chief Executive Officer or counterpart of the company complete with relevant documentations.*
4.2. PRODUCT ENVIRONMENTAL REQUIREMENTS	
4.2.1. Compliance to Environmental Regulations	The applicant shall submit applicable licenses and permits indicating the manufacturer's compliance with agreements on environmental regulations applicable to the area which the plant is located
4.2.2. <i>Automotive Engine Oil</i>	The applicant shall submit quarterly sales report and Permit To Transport from the accredited waste transporter and waste treater.
4.2.3. Automotive Tires	
4.2.4. Automotive Batteries	
4.2.5. Air Conditioning Service	The applicant shall submit quarterly sales report
4.2.6. Other Service Waste	The applicant shall submit quarterly sales report and Permit To Transport from the accredited waste transporter and waste treater.
4.3. OTHER CRITERIA	
The applicant shall submit a portfolio and statement in writing signed by the Chief Executive Officer or counterpart of the company complete with relevant documentations.*	

* Notarized documents

5. PERIOD OF VALIDITY

The product criteria shall take effect for three (3) years from the date of its approval, and subject to change or withdrawal by the *Green Choice Philippines-ELP Board*, if necessary at any period of time

REFERENCES

Australian Ecolabel Program; Good Environmental Choice Australia Standard-Lubricants, GECA 47-2008.

DENR Administrative Order 2004-08 – Revised Chemical Control Order for Ozone Depleting Substances

Environmental Choice Program; Certification Criteria Document CCD-054-Automotive Engine Oil – Recycled

Environmental Choice Program; Certification Criteria Document CCD-062-Automotive Service Stations

Green Seal; GS-3 Green Seal Environmental Standard for Re-refined Engine Oil.

Hong Kong Green Label Scheme; Product Environmental Criteria for Lubricating Oil/Grease GL-005-004.

Japan Environment Association; Eco Mark Product Category No. 110: Biodegradable Lubricating Oil, Version 2.3 Certification Criteria.

Korea Eco-Label; EL 503-1999/5/2005-68: Engine Oil for Gasoline Car

Korea Eco-Label; EL 504-2000/5/2005-68: Engine Oil for Diesel Car

Mobil Lubricants Catalogue – Mobil Philippines, 1995

Nazaroff, W. and Alvarez-Cohen, L. 2003. ***Environmental Engineering Science.***

Product Guide – Caltex Philippines, Inc.

Product Line – Petron Corporation, 3rd Edition

Shell Global Solutions. ***The Development of Environmentally Acceptable Lubricants***

United States Environmental Protection Agency, ***Public Health & Environmental Benefits of EPA's Proposed Program for Low Emission Nonroad Diesel Engines and Fuel***, EPA420-F-03-010, April 2003

GREEN CHOICE PHILIPPINES
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