

**ENVIRONMENT PROTECTION AGENCY OF LIBERIA**



**(MONTREAL PROTOCOL CONTROLLED SUBSTANCES  
REGULATIONS)**

**REPUBLIC OF LIBERIA**

**WEST AFRICA**

**2023**

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## PREAMBLE

The Environment Protection Agency was created by an Act of Legislation in 2002 with mandate to ensure the protection, conservation, monitoring and sustainable use of the environment and its natural resources. The Agency ensures the enforcement of environmental regulations, standards and guidelines in collaboration with relevant institutions as required by the Environmental Protection and Management Law (EPML) of the Republic of Liberia. It has the mandate to coordinate, monitor and regulate all activities of all entities, and individuals relating to the environment issues. The sole intent of the EPA is to safeguard and preserve the environment for present and future generations. Consequently, the EPA deems it necessary to revise the Amended Ozone Depleting Substances Regulations. This instrument to serve as a tool for the regulation, monitoring and evaluation of Ozone Depleting Substances or activities within the Republic of Liberia.



**Article 1:  
Definitions**

In these Regulations, unless the context otherwise requires:

**"The Committee"** means the committee to be found under these regulations;

**"The Council"** means the National Environment Policy Council of Liberia formed pursuant to the Act creating the Environment Protection Agency of Liberia;

**"Substance subject to control"** means chemicals substances and apparatuses and equipment and all toxic substances that have been banned by the International Community;

**"The Protocol"** means the Montreal Protocol of 1987 concerning the Ozone sphere penetrating substances and any amendments made thereto in future;

**"CFCs"** means fully halogenated chlorofluorocarbons, as listed in the Annex A, each molecule of which contains one, two or three atoms;

**"Control Period"** means the period beginning on 1<sup>st</sup> January in a given year and ending on 31<sup>st</sup> December in the same year;

**"Control Products"** means a product that contains, is made with or is dependent on or designed to contain a controlled substance, as specified in Schedule 1C.

**"Controlled Substances"** means a substances specified in the Schedule 1 B, whether existing alone or in-mixture, and includes that substance when reclaimed, recycled or recovered unless otherwise indicated;

**"Banned Product"** means a product containing, made with, or designed from a banned substance

**"Banned Substances"** means substance specified in schedule 1A;

**"End User"** means any person who purchase, received or manages a controlled substance or product;

**"Entry Point"** means and includes borders gates, border posts and airport;

**"HFCs"** means Hydroflourocarbons

**"HCFCs"** means hydrochlorofluorocarbons

**"Executive Director"** means the Executive Director responsible for Environmental affairs;

**"ODS"** means ozone depleting substances listed in the annexed to this Regulation;

**"Ozone"** means the natural gas, (O<sub>3</sub>) that is found in the stratosphere;



**“Ozone layer”** means the layer of the atmospheric ozone above the plenary boundary as defined in the Vienna Convention for the Protection of the ozone layer

**“Party”** means a party to the Protocol, or any state not party to the Protocol if the State is determined by a meeting of the parties, to be in full compliance with Article 2, 2A to 2E and 4 of the Protocol and has submitted data to that effect in accordance with Article 7 of the Protocol;

**“Protocol”** means the Montreal Protocol on Substances that deplete the Ozone Layer of 1987 and as amended in London, Copenhagen and Vienna;

**“Refrigerant”** means a substance, whether pure or mixture, that is used as a coolant in a refrigerator, freezer, cold room, dehumidifier, heat pump or an air conditioner;

**“Person(s)”** means a natural person or registered business such as sole proprietorship, a partnership or a corporation.

**“NOU”** means the National Ozone Unit of the Environmental Protection Agency

**“Good cause”** means safe guarding against acts of excessiveness or negligence as will be determined by the Commission by persons granted license or permit to deal with controlled substances.

**“IUPAC”** means the International Union of Pure Applied Chemistry. It is an International Scientific Organization not affiliated with any government. It strives to advance Chemistry in part by setting global standards for name, symbols and units.

## **Article 2: Objectives of the regulations**

**The objectives of these Regulations are:**

- (a) To regulate the production, trade and use of controlled substances and products;
- (b) To prohibit the production, trade and use of banned substances and products
- (c) To provide a system of data collection that will facilitate compliance with relevant reporting requirements under the Protocol;
- (d) To promote the use of ozone friendly substances, products, equipment and technology, and
- (e) To ensure the elimination of all ozone depleting substances and equipment using these substances.



**Article 3:  
The ODS Management Committee**

**Membership of the Committee**

There is established a committee called "The Committee for the Policing of the Management and Control of Ozone Depleting Substances" which membership shall consist as following.

- (a) The executive Director of the Environment Protection Agency, Chairman
- (b) A representative of the of the Ministry of Commerce and Industry, member
- (c) A representative of the Ministry of Justice, member
- (d) A representative of the Ministry of Internal Affairs, member
- (e) representative of the University of Liberia (Science & Technology Collage), member
- (f) A representative of the National Bar Association, member
- (g) A representative of the Ministry of Agriculture, member
- (h) A representative of the Ministry of Health and Social Welfare, member
- (i) A representative of the Ministry of Finance and Development Planning, member
- (j) A representative of the Chamber of Commerce, member
- (k) A representative of the Ministry of Gender, member
- (l) A representative of BIVAC, Member
- (m) The Committee may seek the assistance of any qualified person to benefit out of his/her experience.

**Meeting the Committee**

- (a) The Committee shall hold an ordinary every six months, it may hold an extra-ordinary meeting whenever the Committee thinks fit, or on request of one third of its membership.
- (b) A quorum shall consist of half of the membership and its decision shall be binding on all members
- (c) The decision of the Committee shall be made by simple majority and incase of equal votes, the Chairman shall have a casting vote.
- (d) The Committee may call any qualified person to attend any meeting to benefit out of his/her experience in any specified subject provided that he/she shall not vote.
- (e) The Chairman of the Committee may request the opinion if the members in writing relating to any subject matter whenever he thinks it appropriate.

**Functions and Powers of the Committee**

The Committee shall have the following functions and powers:

- (a) To co-ordinate the effort of the state in the field of management and organization of the ozone layer depleting substances.
- (b) To revise the obligations of the Republic of Liberia according to the Vienna Convention and Montreal Protocol for protection of the ozone layer.



- (c) To follow up international activities in relation to ozone layer depleting substances that Liberia's national interest is protected.
- (d) To co-ordinate and manage the technical aid programs with international organizations.
- (e) To undertake periodic inspection of related utilities and installations in the Republic of Liberia in order to ensure adherence to the required standards and regulation.
- (f) To co-operate with other countries in the field of application of the Vienna Convention and Montreal Protocol
- (g) To issue compulsory circulars to agencies of Government and private sectors to submit thereto any information relating to ozone layer depleting substances mentioned in schedules attached to these regulations and equipment where it is contained and used thereby.
- (h) To give consultation to agencies of Government and private sectors in the field of using substitute materials to the ozone layer depleting substances.
- (i) To issue import license for different bodies in the field of chemical materials mentioned in the schedule attached hereto and equipment where it contains and used thereby.
- (j) To simplify the scientific research procedures concerning the substitute materials for the ozone layer depleting substances and the equipment where it contained and used thereby.
- (k) To co-ordinate programmers in the field of Ozone layer depleting substances.
- (l) To supervise the training programmers for the capacity-building in the field of ozone layer depleting substances.
- (m) To delegate all or any of its powers for the purpose of performing the specified work or execute business that need urgent discussion as regards its nature or as the circumstances may require.
- (n) To constitute sub-committees utilizing the expertise of its members or other persons or organizations not among its memberships for specified function and responsibilities.
- (o) To develop, document, revise and monitor the execution of regulations and guidelines on control and use of ozone depleting substances in the Republic of Liberia.
- (p) To conduct investigative hearing on alleged offences of these Regulations and use the finding acquired to determinate the facts for the pardoning or persecution of violators.

#### Article 4:

#### General Provision

#### Prohibition on Importing and Export of Banned Substances and Labeling of Controlled Substances

- (a) No person shall import, produce, manufacture, export, sell, purchase or use banned substances or products, or equipment contained banned substances.
- (b) It is prohibited to import products containing banned substances which are used in sprayers except for medical purposes as directed or proscribed by the Executive Director.
- (c) All imported cans containing controlled substances shall be accompanied by a label showing the name of the manufacture's country of origin and IUPAC name.





### **Compulsory Obtaining or Permission on Establishment of Utilities of Chemicals Materials**

No person shall construct any utility or perform any activities or use any controlled substances mentioned in schedule hereto without obtaining permission from the Committee.

### **Submission of Information**

No person shall refrain from forwarding any information required by the Committee, or submit any false information, under which he imports or exports any of the controlled substances in the schedules hereto.

### **Maintenance Business**

- (a) All businesses engaged in the repair of refrigerator and air conditioning apparatus shall obtain permit from the EPA.
- (b) All companies and industries carrying out the business of repair are required to have equipment capable to discover the leakage of refrigerant or controlled substances.
- (c) At the time of installation, repair or maintenance of refrigeration or air-conditioning system controlled substances must not be allowed to leak directly into the air.

### **Use of Fire Combating Apparatus**

- (a) Halon is a banned substance and shall not be in use in the republic of Liberia. All Fire combating apparatus formerly requiring the use of Halon, must use other substitute such as carbon dioxide, water, dry powder and other acceptable combating gases.
- (b) Fire combating apparatus containing Holon shall not be used for the purpose of training in fire combating.
- (c) Fire combating system utilizing Halon shall not be established or apply in the republic Liberia, whether new or re-generated, as from January 2007.
- (d) All controlled substances shall not be used in the manufacture of foamy materials of different types as from the date of coming into force of these regulations.

### **Violation and penalties**

#### **Article 4:**

#### **General Provisions**

Any violator of any portion of will be penalized in according With Article 16 Violations Penalties of these Regulations.



**Article 5:  
Restrictions on Trade**

- (a) A person shall not import, export or store a banned or controlled substance or product listed in Annex one and two without obtaining a permit from EPA.
- (b) A person shall not import or export a controlled substance or product from or to a county that is not party to the Protocol
- (c) A person shall not import or export a controlled substance on or after the date specified in the second Schedule.
- (d) Any person found in violation of the provisions of count "a" to "c" of Article 5: Restrictions on Trade has committed an offence and shall be punished in accordance with Article 16: Violation and Penalties of those Relegations.

**Article 6:  
Guideline for Obtaining License or Permit**

**Procedure for obtaining license**

Any person desiring to engage in the production, manufacturing, importation, exportation, selling or storage of a controlled substance or product must first obtain a license from the environmental Protection Agency. The license will be given on a per-annum basis and must be renewed annually.

The procedure for acquiring license requires the following steps:

- (a) A person wishing to engage in an enterprise dealing with controlled substance will express said intent to the EPA through the National Ozone Unit
  - i. This involves writing letter of application,
  - ii. Filling out the relevant forms provided by the EPA and
  - iii. Payment of Licensing fee to be determined by the EPA
- (b) Upon receipt of the application, the NOU of the EPA will verify that the applicant has an appropriate storage facility;
- (c) Upon inspection and satisfaction of the facility, the EPA will then grant the applicant the license to carry on its intent:
  - i. The license will be valid for the specified period and must be renewed on a pre-annum basis
  - ii. The license will involve a quota restriction.
- (d) The license is a formal acknowledgement that the EPA has recognized the particular person to deal in controlled substances. A license is distinguished from a permit, which is granted for each shipment. A license is issued annually, whereas, a permit is on a consignment basis.



### **Procedure for obtaining Permit**

- (a) A license holder cannot produce, manufacture, import, export, sell or store any controlled substance unless a permit is obtained for each consignment
- (b) No person shall engage in the production, manufacturing, importation, exportation, selling or storage of controlled substances or product without first registering with the National Ozone Unit and acquiring a permit in the manner and form as specified in schedule 2, form 3 of these Regulations.
- (c) Application for permit shall be signed as follows:
  - i. In the case of a corporation, by an officer of the corporation authorized to do so;
  - ii. In any other case, by the person making the application; or
  - iii. By a person authorized to act on behalf of that person.
- (d) The permit shall be valid only for a specific consignment as stated.
- (e) The permit shall specify the quantity of controlled substances to be dealt with by the applicant for a particular shipment.
- (f) A permit must be obtained for each new consignment

### **Import , Export and Storage License/Permit Required**

- (a) All import of controlled substances must be subjected to a quality quota system, determined by the EPA
- (b) A person who has been granted a permit to import, export, or store controlled substance(s) or products shall not import, export or store any amount of controlled substance or product that exceeds the quantity specified in the permit issued by the EPA
- (c) A person importing, exporting or storing a controlled substance or product shall label the controlled substances or product container with the following information:
  - i. The name of the manufacturer of the controlled substance or product
  - ii. The name of the country or origin of the controlled substance or product: and
  - iii. The chemical abstract registry number
- (d) A person who supplies a controlled substance or product shall keep record of name and addresses of the person to whom the controlled substances or products have been supplied, and submit information to EPA.
- (e) The committee may for good cause, recommend for suspension for specified time or cancel a permit issued under the Regulations.

### **Qualification and Conditions to be Issued License or Permit**

- (a) The license or permit referred to above shall only be issued where the committee is satisfied that the applicant has adequate and appropriate facilities and equipment to handle the controlled substance or product without causing harm or danger to the environment.



- (b) The following condition apply to a permit:
- i. The license or permit is not transferable; and
  - ii. The permit is only to authorized the holder to import or export a substance or product through the Country recognized ports of entry
- (c) A license shall be valid for only one year beginning on the day of its issuance and may be renewed.
- (d) The Committee may, when renewing the license adjust the conditions attached to the license and impose additional conditions.
- (e) The Committee may, by notice in writing, adjust or revoke at any time, any conditions attached to a license or permit.
- (f) A person who imports a controlled substance or product shall provide a copy of the permit and license to Customs Officers at the point of entry into Liberia

#### **Non-Transferability of License and Permits**

Any person or business entity is not allowed to transfer the permit to another in event where the entity is being dissolved or the name changed without first notifying the EPA through NOU. The committee will determine the conditions for the re-issuance of a new permit to the person (s) concerned.

#### **Registrar of License or Permit**

The NOU of the EPA shall serve as the Registrar of all licenses and permits as stipulated in these Regulations

#### **Violations and Penalties**

##### **Article 6:**

##### **Guideline for License or Permit**

Any violator of any potion of will be penalized in accordance with Article 16: **Violations and Penalties** of these Regulations.

##### **Article 7:**

##### **Import Quota System**

- (a) There shall be established an "Import Quota" for HCFC as of January 1, 2012 onwards, in a manner to be prescribed by the E.P.A.;
- (b) There shall be a ban on the import and installation of HCFC-using equipment as well as HCFC as of January 1, 2015;
- (c) There shall be a freeze on the import of HCFC and HCFC-based equipment as at January 1, 2013;
- (d) There shall be a 65% reduction of the baseline consumption of HCFC by 1 January 2018,
- (e) Baseline year: Average of 2009 and 2010.



- (f) There shall be established an "Import Quota" for HFCs as of January 2019 onwards, in a manner to be prescribed by the E.P.A.;
- (g) There shall be freeze on the import and installation of HFC and HFC-based equipment as at 1 January 2024;
- (h) There shall be a phase down of the consumption of HFCs from the baseline established for HFCs as follows:
  - 1. 2029        10% of baseline
  - 2. 2035        20% of baseline
  - 3. 2040        50% of baseline
  - 4. 2045        80% of baseline
- (i) Baseline year: average of 2020 and 2022.

**Article 8:  
Appeal to Court**

Until as such time that the Environmental Administrative Court and the Environmental Court of Appeal are established and functioning,

- (a) A person aggrieved by the decision of the Committee to suspend, or not to grant that person permit/ license to import, export or store controlled substances, or a person not pleased with the fine imposed for the offence against these Regulations by the Committee after an Investigative hearing may appeal to the relevant Court against the decision of the Committee
- (b) A person wishing to appeal from a decision by the committee shall do so within ten (10) days after receipt of the Committee's decision

**Article 9:  
Reporting Procedures**

- (a) The holder of a permit under these Regulations shall submit to E.P.A. an annual report containing the required information as specified in these Regulations.
- (b) Where special reporting procedures are made, the condition of a permit issued under these Regulations, those procedures shall take precedence over the submission of annual reports as required by Court "a" above.
- (c) Where a person who submits a report requests that the information contained in the report be treated as confidential, the person shall include the reasons for that request in the report.

**Article 10:  
End-User Declaration**

- (a) A person who buys or receives a controlled substance or equipment shall provide a certified identity to the supplier.
- (b) An end-user shall not sell or otherwise supply or use a controlled substance or products for a purpose other than the purpose declared in the end-user declaration, or sell or otherwise supply a controlled substance or product to any person.



**Article 11:  
Duty of Permit Holder to Maintain Records**

A person, who imports, exports, stores, distributes or sells a controlled substance or product shall also be required to do the following:

- (a) To maintain record containing the applicable information in the attached scheduled ; and
- (b) To submit record referred to above to the Executive Director, every six months from the commencement of the licensed activity.

**Article 12:  
Customs Verification**

A person who imports or exports any goods into the Country shall, on request by a Customs Office, tender the goods to the officer for verification as to whether the contain or are made with or designed for controlled substances.

**Article 13:  
Inspection at Entry Points**

**The role of the Bureau of Customs and Excise and other Relevant Government Agencies**

The Bureau of Customs and Excise and other relevant government agencies shall conduct inspections at all entry points of the country to ensure that these Regulations are complied with.

**The Role of Inspectors of the EPA**

- (a) Subject to the provisions of the Environmental Protection and Management Law of November 26, 2002, the Executive Director may appoint inspectors who will ensure the proper carrying out the provisions of these Regulations
- (b) A person who is appointed as inspector shall be issued with an identity certifying that person has been appointed by the executive Director inspector.
- (c) An inspector shall, on demand by a person affected by the inspector's exercise or performance of the power or function under these Regulations, produce the identity issued in accordance with count "b" above.

**Article 14:  
Duties and Functions of Inspectors**

The Duties and Functions of the Inspectors are follows:

- (a) To legally enter and inspect any premises, place or vehicle where a controlled substance or product are stored or where there is reasonable suspicion that a controlled substance or product is stored;
- (b) To inspect any substance or mixture of substances which is suspected to contain controlled substances or product;



- (c) To seize any controlled substance or product which is imported or stored contrary to the provisions of these Regulations;
- (d) To carry out any investigation, test or examination the inspector consider necessary for the furtherance of the objectives of these Regulations;
- (e) To ensure the seizure of any controlled substance or product proved to have been stored or imported into the country contrary to the regulations.
- (f) He shall report all such matters to the NOU of the EPA and shall work with relevant departments of the EPA and other Government agencies to insure that all such substances are disposed of in an environmentally safe manner.

**Article 15:  
Taxation**

- (a) The Executive Director may recommend to the Policy Council for onward transmission to the office of the President that tax exemption be granted to importers of Ozone friendly substances or products specified by the Executive Director.
- (b) The Executive Director may recommend to the National Legislature that a "Pollution Tax" be levied on importers of controlled substances or products specified by the Executive Director

**Article 16:  
Violation and Penalties**

**Violation by a Permit or License Holder**

Any person who violates any provision of these Regulations has committed an offence and if that person is a license or permit holder as stipulated in these Regulations, he or she shall be subject to:

- (a) An investigation hearing by the Policing Committee
- (b) Where sufficient evidence abounds, the person shall be fined by the Committee in keeping with the below section "Authority of the Committee to Fine Violators of these Regulations: or
- (c) His license shall be suspended
- (d) If license is suspended, the person shall then be charge and prosecuted in the Court of Law in the Republic of Liberia.

If found guilty by the Court of the offence, the person shall be liable on conviction to:

- (a) a fine not less 10,000 USD and not exceeding 50,000.00USD
- (b) and /or a term of imprisonment not exceeding 10 years as per section 56 of the Act creating the Environmental Protection Agency of Liberia approved November 26, 2002 and published by authority of the Ministry of Foreign Affairs on April 30, 2003, as to be determined based on the gravity of the offence; and/or any other penalty as Within the Court's power and discretion to decide.



### **Violation by a non-License or Non-Permit Holder**

Any person who is neither a non-license non-permit holder who violates any provision of these Regulations commits an offence and shall be forwarded to the Ministry of Justice for Prosecution and shall be liable on conviction, to a fine not less than 10,000 USD and not exceeding 50,000.00 USD or a term of imprisonment not exceeding 10 years as per Section 56 of the Act creating the Environmental Protection Agency of Liberia, approved November 26, 2002 and published by authority of the Ministry of Foreign Affairs on April 30, 2003, and/or any other penalty as with the Court's power and discretion to decide.

### **Authority of the Committee to Suspend, Revoke or Reissue Permit or License**

The committee, for good cause, may recommend for suspension for a specified time or revocation a license or permit issued under these Regulations

The Committee reserve the right to reissue a permit or license to any person, as shall be enforced by the Executive Director.

### **Authority of the Committee to Fine Violators of these Regulations**

Any act by any person which contravenes the provisions of these Regulations is an offence and is subject to an investigation hearing by the Committee.

The Committee may fine violators for offences. All such fines may not exceed \$2,500.00 (Two thousand Five Hundred Dollars) for the first offence and US \$ 5,000.00 (Five Thousand United States Dollars) for the second offence. All fines shall be paid into the General Revenue Account of the Government. For all said holder for prosecution in a court of competent Jurisdiction.





## FIRST SCHEDULE

### **A. Banned Substances**

These include substances mentioned below or compound contained any such substance and all isomers of such substances.

Substance	Chemical Formula	ODP
CFC-11	CFC13	1.0
CFC-12	CF2C12	1.0
CFC-13	C2F3C13	1.0
CFC-111	C2FC15	1.0
CFC-112	C2F2C14	1.0
CFC-113	C2F3C13	0.8
CFC-114	C2F4C12	1.0
CFC-115	C2F5C	0.6
CFC-211	C3FC17	1.0
CFC-212	C3F2C16	1.0
CFC-213	C3F3C15	1.0
CFC-214	C3F4C14	1.0
CFC-215	C3F5C13	1.0
CFC-216	C3F6C12	1.0
CFC-217	C3F7C1	1.0
Halon1211	CF2BrC1	3.0
Halon1301	CF3Br	10.0
Halon2402	C2F4Br2	6.0
Carbon tetrachloride	CC14	1.1
1,1,1-trichloroethane(methyl chloroform)	C2H3C13	0.1
Methyl bromide	CH3Br	0.6



## SECOND SCHEDULE

### B: Controlled Substances

These include substances mentioned below or compound contained any such substance and all isomers of such substances.

Substance	Chemical name	ODP
HCFC-21	Dichlorofluoromethane	0.04
HCFC-22	Monochlorodifluoromethane	0.055
HCFC-31	Monochlorofluoromethane	0.02
HCFC-121	Tetrachlorofluoroethane	0.01-0.04
HCFC-122	Trichlorodifluoroethane	0.02-0.08
HCFC-123	Dichlorotrifluoroethane	0.02-0.06
HCFC-124	Monochlorotetrafluoroethane	0.02-0.04
HCFC-131	Trichlorofluoroethane	0.007-0.05
HCFC-132b	Dichlorodifluoroethane	0.008-0.05
HCFC-133a	Monochlorotrifluoroethane	0.02-0.06
HCFC-141b	Dichlorofluoroethane	0.11
HCFC-142b	Monochlorodifluoroethane	0.065
HCFC-221	Hexachlorofluoropropane	0.015-0.07
HCFC-222	Pentachlorodifluoropropane	0.01-0.09
HCFC-223	Tetrachlorotrifluoropropane	0.01-0.08
HCFC-224	Trichlorotetrafluoropropane	0.01-0.09
HCFC-225ca	Dichloropentafluoropropane	0.025
HCFC-225cb	Dichloropentafluoropropane	0.033
HCFC-226	Monochlorohexafluoropropane	0.02-0.01
HCFC-231	Pentachlorofluoropropane	0.05-0.09
HCFC-232	Tetrachlorodifluoropropane	0.008-0.01
HCFC-233	Trichlorotrifluoropropane	0.007-0.23
HCFC-234	Dichlorotetrafluoropropane	0.01-0.28
HCFC-235	Monochloropentafluoropropane	0.03-0.52
HCFC-241	Tetrachlorofluoropropane	0.004-0.09
HCFC-242	Trichlorodifluoropropane	0.005-0.13
HCFC-243	Dichlorotrifluoropropane	0.007-0.12
HCFC-244	Monochlorotetrafluoropropane	0.009-0.14
HCFC-251	Trichlorofluoropropane	0.001-0.01
HCFC-252	Dichlorodifluoropropane	0.005-0.04
HCFC-253	Monochlorotrifluoropropane	0.003-0.03
HCFC-261	Dichlorofluoropropane	0.002-0.02
HCFC-262	Monchlorodifluoropropane	0.002-0.02
HCFC- 271	Monochlorofluoropropane	0.001-0.03



**Schedule 2B**

**C: Controlled Substances (HFCs)**

These include substances mentioned below or compound contained any such substances and all isomers of such substances.

Name/group	Chemical Name	Chemical Formula	GWP
Hydroflourocabons (HFCs)			
HFC-32	Diflouoroethane	CH <sub>2</sub> F <sub>2</sub>	675
HFC-41			92
HFC-43-10mec			1,640
HFC-125	Pentaflouroethane		3,500
HFC-134	1.1.2-Troflouroethane	CF <sub>3</sub> CHF <sub>2</sub>	1,100
HFC-134a	1,1,1,2-Tetraflouroethane	CF <sub>3</sub> CH <sub>2</sub> F	1,430
HFC-143			353
HFC-143a	1.1.1.-Triflouroethane		4,470
HFC-152			53
HFC-152a	1.1.-Diflouoroethan	CHF <sub>2</sub> CH <sub>3</sub>	124
HFC-161			12
HFC-227ea			3,220
HFC-236cb			1,340
HFC-236ea			1,370
HFC-236fa			9,810
HFC-245fa	1.1.1.3.3.-Pentaflouropropane	CF <sub>3</sub> CH <sub>2</sub> CHF <sub>2</sub>	1,030
HFC-245ca			693
HFC-365mfc			794
HFC-404a	R-143a/125/134a		
HFC-507a	R-143a/125		
HFC-407a	R-32/125/134a		
HFC-407b	R-32/125/134a		
HFC-407c	R-32/125/134a		
HFC-410a	R32/125		
HFC-508a	R23/116		
HFC-508b	R23/116		



D: Products containing, made with or designed for use of the prescribed or controlled substance

- (1) Automobile and trucks air-conditioning units (whether incorporated in vehicles or not)
- (2) Domestic and Commercial refrigeration and Air-Conditioning/heat pump equipment when containing controlled substances as a refrigerant and/or insulating material of the product. E.g. refrigerators, Freezers Dehumidifiers, water Coolers, Ice Machines, air-conditioning and heat pumps unit.
- (3) Aerosol Products, except medical aerosols
- (4) Portable fire extinguisher
- (5) Insulation boards, panels and pipe cover
- (6) Pre-polymer



**A. Form 1.**

**INFORMATION on VENDOR/SUPPLIER and END-USER**

**I. Information concerning the Vendor /supplier**

**Name of Vendor/supplier .....**

**Address .....**

**II. Information concerning end-user's address: .....**

**Name of Controlled Substances/product: .....**

**End-user category/purpose: .....**

**III. Declaration by End-User of Controlled Substances or Products**

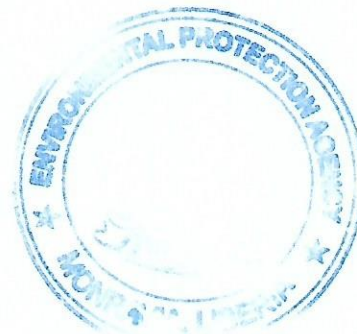
**I/We undertake not to sell or otherwise supply any quantity of the controlled substances /product received by me to any person.**

**I further undertake not to use any quantity of the controlled substances/product received for a purpose not set out in the declaration**

**I declare that the information stated in this declaration form is correct.**

\_\_\_\_\_ **Date**

\_\_\_\_\_ **Signature**



**B. Form 2:**

**RECORDS TO BE MAINTAINED FOR CONTROLLED SUBSTANCES AND PRODUCTS**

**i. Information relating to distribution, sale and use.**

**1. Dated records of**

- (a) The actual quantity of each controlled substances/product purchased from a supplier, wholesaler or distributor**
- (b) The actual quantity of each controlled substance/product used and the end user category or purpose**
- (c) The quantity of each controlled substances/product sold and the name and address of the end-user as set out in the declaration form in the fourth schedule and duly signed the end-user**

**ii. Information relating to imports**

**1. Dated Records of**

- (a) The actual quantity of each controlled substance/product that was imported in each shipment**
- (b) The entry point through which the controlled substance/product was imported**
- (c) The party for which the controlled substance/product imported and the name and address of the supplier, and**
- (d) The import number for the consignment of the controlled substance/product imported.**

**2. Copies of the bill of lading the invoice and documents submitted to the revenue office of each consignment.**

**iii. Information relating to exports**

**1. Dated records of**

- (c) The actual quantity of each controlled substances/product exported in each shipment;**
- (d) The point of entry through which the controlled substances/product was exported;**
- (e) The party through which the controlled substances/product was exported and the name and address of the recipient;**
- (f) The purpose for which the controlled substances/product was exported.**



C. Form 3

APPLICATION FOR PERMIT TO IMPORT/EXPORT CONTROLLED SUBSTANCE OR CONTROLLED SUBSTANCE DEPENDENT EQUIPMENT

Date: -----

Name of Business/Organization/Individual: -----

Physical address: -----

Postal address: -----

Person responsible: -----

Address (if different from above): -----

Telephone: -----

E-mail: -----

State controlled substance or controlled substance dependent equipment and their Quantities to be imported

Controlled Substance/controlled substance dependent equipment	Quantity	Country of export	Intended used

\_\_\_\_\_  
Authorized Signature

**Note:** Please attach a completed copy of this form to the proforma of each consignment, and (Please ensure that the refrigerant contained in all equipment to be imported is stated on the proforma invoice.).



D FORM 4

APPLICATION FORM FOR THE IMPORTATION OF OZONE DEPLETING SUBSTANCES  
(HCFC's) AND NON-OZONE DEPLETING SUBSTANCE

Name of applicant/entity: \_\_\_\_\_

Category: Please tick appropriate box: Importer [  ]                      Distributor [  ]

Address: \_\_\_\_\_  
\_\_\_\_\_

Number of years of importation of refrigeration products: \_\_\_\_\_

Warehouse location: \_\_\_\_\_ Size (Area): \_\_\_\_\_

Mobil #: \_\_\_\_\_ E-mail: \_\_\_\_\_

Contact Person (Name/Title): \_\_\_\_\_

Person authorized to act on behalf of the Company/organization:

Name: \_\_\_\_\_ Title: \_\_\_\_\_

I/We, \_\_\_\_\_, authorized to act on behalf of  
\_\_\_\_\_, certify that the information

herein this application is correct.

Name (in block letters): \_\_\_\_\_

Title: \_\_\_\_\_

Signature: \_\_\_\_\_ stamp: \_\_\_\_\_

Date and place: \_\_\_\_\_

Note: Any misleading information will be cause for rejection of application





DONE ON THIS 14 DAY OF THE MONTH OF August, A. D. 2023  
BY AUTHORITY OF THE BOARD OF DIRECTORS  
ENVIRONMENT PROTECTION AGENCY OF THE REPUBLIC OF LIBERIA

Signed:   
**Prof. Wilson K. Tarpeh**  
**Executive Director/CEO/Secretary**  
Environment Protection Agency (EPA)  
Republic of Liberia

Approved:   
**Hon. Rupert E. Marshall, Sr.**  
**Chairman**  
**BOARD OF DIRECTORS**  
Environment Protection Agency  
Republic of Liberia

