

National Workshop on the Control and Monitoring of Ozone Depleting Substances and Dependent Technologies,

GRENADA

**St Georges, Grenada
29th April, 2009 & 6th May 2009**



Organized by the
**United Nations Environment Programme, Regional Office for Latin America
and the Caribbean (UNEP/ROLAC)**

In Collaboration with
**The Government of Grenada, Ministry of Finance, Planning, Energy,
Foreign Trade and Co-operatives.**



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Executive Summary

Grenada has in recent time embarked on a Terminal Phase-out Management Plan (TPMP). This plan has as its core the acceleration of the existing comprehensive approach to phasing out the use of ozone-depleting substances in Grenada's refrigeration and air-conditioning sector.

Two main training elements are to be undertaken under the TPMP.

- The Training Programme in Good Practices in Refrigeration
- The Training Programme for Customs Officers on the Control and Monitoring of Trade in Ozone Depleting Substances and Related Technologies.

Customs and border-protection officers are responsible for controlling trade across borders thus Grenada Customs is charged with the important role of protecting the national and global environment.

The Government of Grenada acceded to the Vienna Convention for the Protection of the Ozone Layer, the Montreal Protocol on Substances that Deplete the Ozone Layer and the London Amendment on March 31, 1993. Grenada also ratified the Copenhagen and Montreal Amendments to the Protocol on May 20th 1999 and the Beijing Amendment on January 12th, 2004.

The main objectives of the training programmes were to provide customs officers and other stakeholders with the skills and knowledge necessary to monitor and control the imports of ODS and products (including equipment) containing them, and detecting and preventing illegal trade. .

Each of the two one day training workshops comprised of seven (7) sessions and followed an interactive and participatory approach. Training was delivered to a total of 20 Customs officers and 1 delegate selected by the Trade Statistics department.

Media coverage of the second session was provided by local television (FLOW) media.

Practical hands-on sessions were included to identify different types of refrigerants using digital refrigerant identifiers and the types of hoses, valves and couplings used for different refrigerants.

The first workshop was held on Wednesday 29th April 2009. Ten (10) participants attended. The overall evaluation was 5 (with 5 being the maximum score). 60% of the participants rated the workshop as excellent and the remaining 40% rated it as good. The second workshop was held on Wednesday 6th May 2009. The workshop comprised of eleven (11) participants. The overall workshop evaluation was 5. 73% of the participants rated the workshop as excellent and the remaining 27% rated it as good.

The long term result of the training programme is to enhance awareness of ozone depletion issues among customs officers and other relevant stakeholders and to enable

customs officers to enforce the licensing regime for ODS and products (including equipment) containing or using them.

1. Background

Upon the discovery that CFCs and other man-made substances are leading to a depletion of the ozone layer, the international community negotiated the Vienna Convention for the Protection of the Ozone Layer in 1985. Following this, the Montreal Protocol on Substances that Deplete the Ozone Layer was negotiated in 1987 with the objective of reducing and eventually phasing out the production and consumption of ozone-depleting substances. Grenada acceded to the Vienna Convention and its Montreal Protocol on March 31st, 1993. The country also ratified the London amendment on that date, the Copenhagen and Montreal Amendments on May 20th, 1999 and the Beijing Amendment on January 12th, 2004.

In most developing countries the largest remaining sector in which ozone-depleting substances are still used is the refrigeration and air-conditioning servicing (RAC) sector. In 2003, Grenada consumed approximately 1.31 ODP tonnes of ozone-depleting substances (ODS), all of which were Annex A CFCs. All Annex A CFC consumed was in the refrigeration and air-conditioning service sector. Whereas all new equipment imported into Grenada is fitted with non-ODS technology, there is still a small amount of used equipment, particularly used vehicles entering the country with CFC-based technology. Any abrupt non-availability of CFC refrigerants would adversely impact on important sectors of the local economy. It is therefore essential for users of CFCs to be able to reduce and eventually phase-out their consumption in a coordinated, planned, and cost-effective manner in compliance with the country's commitments under the Montreal Protocol.

2. Objectives

The main objectives of both workshops is to provide the Customs with the skills necessary to monitor and control the imports of CFCs and other ODS and ODS-based products and equipment. The detection and prevention of illegal trade is also a part of the training.

The training objectives were achieved by:

- i. Increasing awareness of ozone depletion issues;
- ii. Introducing the types of ODS being used, and for which sectors and applications;
- iii. Introducing the provisions and phase-out schedules of the Montreal Protocol and its Amendments;
- iv. Providing an understanding of the Terminal Phase-out Management Plan;
- v. Presenting the revised customs codes that allow for the identification of ozone-depleting refrigerants and products containing them;
- vi. Training in the use of identification equipment for refrigerants;
- vii. Training in Health and Safety considerations.

3. Expected results

The long-term result is to enhance awareness of ozone depletion issues among customs authorities and other relevant stakeholders as well as the achievement of the training objectives as stated in Section 2.

A Montreal Protocol-related training module will be included in the ongoing training programme of the customs department for new customs officers. It will also be integrated in the refresher courses for experienced officers. Thus the sustainability of the training programme will be ensured.

In addition, synergies for the enforcement of other relevant international environmental agreements such as the Basel Convention, CITES, Rotterdam Convention and the Stockholm Convention will be encouraged. The success of most international environmental agreements will depend on the continued support of the world's customs authorities and other key stakeholders.

4. Participants and speakers

In total, 21 participants attended both workshops. They included customs officers from the following sections of the customs department:

Entry Processing Unit (EPU);
Post Internal Audit Team (PIAT);
Mobile Anti-Smuggling Team (MAST);
St. George's Port;
General Office.
Compass Shipping
Amerijet Transit Shed

1 participant was selected from the Trade Statistics department.

1 trainer along with the National Ozone Officer facilitated the workshop. The list of trainers for workshop is in Annex 2.2.

In addition, Mr. Matthew Simon of the National Ozone Unit, delivered the invocation and made some brief remarks at both opening sessions of the workshops. Additional speakers during the opening and closing sessions were:

Mr. Gerard James - Principal Trainer
Mr. Leslie Smith - National Ozone Officer

5. Contents and structure of the training

The training materials were designed to ensure that the objectives set out for the workshops were achieved. To this end, the workshops included the following sessions:

Session 1: **Ozone Layer Depletion**
Session 2: **International and National Response**
Session 3: **Role of Customs Officers and other stakeholders**
Session 4: **Trade and identification of ODS and ODS-containing equipment & goods**
Session 5: **Practical Exercise in Identifying Refrigerants**
Session 6: **Health and Safety Considerations**
Session 7: **Workshop Evaluation**

6. Results and lessons learned

The objectives set out for the workshops were fully met through the appropriate design of the workshop agenda during which the 7 workshop sessions addressed all relevant issues.

OBJECTIVES SET OUT	RESULTS ACHIEVED
Increasing awareness of ozone depletion issues	Through Sessions 1
Introducing the different types of ODS being used and for which applications	Through Sessions 1
Introducing the provisions and phase-out schedules of the Montreal Protocol and its Amendments	Through Sessions 2
Providing an understanding of the Terminal Phase-out Management Plan;	Through Sessions 2
Presenting the revised customs codes which allow for the identification of ozone-depleting refrigerants and products containing them	Through Session 3 and 4
Training enforcement officers in the use of identification equipment for refrigerants	Through Session 5
Consideration of health and safety issues.	Through Session 6

7. Evaluation by participants

The overall evaluation by participants of the first workshop held on Wednesday 29th April 2009 was 5 (with 5 being the maximum score). All 10 participants completed and returned the evaluation questionnaire. 4 rated the workshop as “very good” (40%), with a score of 4 and 6 as “excellent” (60%) with a score of 5.

The following are some of the comments received from participants of the first workshop:

- i. This workshop was highly interactive and informative and as a result was very successful;
- ii. The workshop was incredibly informative. Similar workshops should include more officers;
- iii. Workshop was successful. Presenters were at their best, clear, precise and to the point.
- iv. Workshop was pretty clear;
- v. Better and more innovative ways to counter concealment methods.

The overall evaluation by participants of the second workshop held on Wednesday 6th May 2009 was 5 (with 5 being the maximum score). All 11 participants completed and returned the evaluation questionnaire. 3 rated the workshop as “very good” (27%), with a score of 4 and 8 as “excellent” (73%) with a score of 5.

The following are some of the comments received from participants of the second workshop:

- i. This workshop was very informative, and educational, but there is room for improvements in terms of group work.
- ii. Much more hand on training required.
- iii. Good teaching techniques, good interaction between participants and instructors.
- iv. The training could be a bit more extensive; one day is not adequate to cover this very important topic.
- v. Classification of the different ozone depleting substances should be a separate topic.
- vi. The quality of the workshop was excellent; however this information should be delivered in a 2-3 day session with more practicals. e.g.:
visiting of transit sheds
- vii. The workshop was very educational and exciting.


8. List of Annexes

- Annex 1 Workshop Agenda – *29th April, 2009 & 6th May, 2009*
- Annex 2 List of participants and trainers
- Annex 2.1 List of Participants for Workshop
- Annex 2.2 List of Trainers for Workshop.
- Annex 3 Workshop Recommendations
- Annex 4 Evaluation by participants
- Annex 5 Workshop Photos

ANNEX 1: Agenda for Workshop

**National Workshop on the Control and Monitoring
of Ozone Depleting Substances and Dependent Technologies,
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- 8:30** - **Registration of Participants**
- 9:00 - 9:30** **Welcoming Ceremony: *Customs, National Ozone Unit***
- Invocation
 - Welcome Remarks
 - Workshop Objectives
- 9:30 - 9:45** **Introduction: *Mr. Gerard James***
- Self-introduction of participants
- 9:45 - 10:30** **Session 1: Ozone Layer Depletion: *Mr. Gerard James***
- Ozone layer science
 - Environmental and human health consequences
 - Ozzy Ozone Video 
 - Q&A
- 10:30 – 10:45** **BR E A K**
- 10:45 -11:30** **Session 2: International and National Response: *Mr. Leslie Smith, NOO***
- The Montreal Protocol
 - Overview of National ODS consumption pattern
 - Phase-out schedule for Article 5 countries
 - Impact of the Montreal Protocol
 - National Obligations and Response
 - Data Reporting
 - Structure of national import/export licensing system
 - Form used to record finding of Refrigerant Identifier
 - Institutional arrangements and procedures to manage the system
 - Handling of seized ODS and ODS-containing equipment and goods
 - Q&A
- 11:30 - 12:30** **Session 3: Role of customs officers and other key stakeholders: *Mr. Gerard James***
- Who are the key players in implementing the Montreal Protocol Regulations
 - Role of Customs Officers in Enforcing the Montreal Protocol Regulations
 - Reporting legal and illegal trade
 - Checklist for Customs Officers
 - Q&A

12:30 - 1:30 **LUNCH**

1:30 - 2:15 Session 4: Trade and identification of ODS and ODS-containing Equipment and goods: *Mr. Gerard James*

- Nothing to Declare: Good Customs to Save the Ozone Layer
- Causes of illegal trade
- Smuggling methods
- Examples of labeling and detection of mislabeled products
- HS codes, common names & trade names
- CAS, UN and ASHRE numbers
- Q&A



2:15 – 3:00 Session 5: Practical Exercise in Identifying Refrigerants and Labels on Equipment: *Mr. Gerard James*

- Examples of ODS containers and cylinders and ODS-containing equipment and goods
- Examining Labels
- Colour Codes
- Demonstration of CFC detection equipment
- Q&A

3:00 - 3:20 Session 6: Health and Safety: *Mr. Gerard James*

- ODS Chemical information relevant to all stakeholders
- Safe handling of ODS and ODS-containing products
- Safe transport and storage of ODS and ODS-containing products
- Safe sampling of ODS - who is allowed to take samples and to use refrigerant identifiers
- Q&A

3:20-3:30 Session 7: Workshop evaluation: *Mr. Gerard James*

- Completion of evaluation questionnaires
- General feedback and comments from participants and organisers
- Wrap-up and Workshop Recommendations

3:30-4:00 Closing session and Presentation of Certificates of Participation

ANNEX 2 List of Participants and Trainers

Annex 2.1 List of Participants for Workshop held on 29th April 2009

Brian Grimes,	Customs Clerk
Carlene Baptiste,	Customs Clerk
David Smart,	Senior Customs Officer
Elvin Niles,	Customs Clerk
Indira Gairy,	Customs Clerk
Judy-Ann James,	Class II Officer
Ken Baptiste,	Class II Clerk
Kenton Baptiste,	Preventative Guard – Customs
Kisha Calliste,	Customs Clerk
Marcia Grey,	Class II Clerk

List of Participants for Workshop held on 6th May 2009

Adrian Cadore,	Class II Clerk
Andrea Thomas,	Customs Clerk
Andy Johnson,	Class II Clerk
Carvel Lett,	Class II Clerk
Denrol Jules,	Statistics
Evelyn Barry,	Class II Clerk
Jolene Bridgeman,	Customs Clerk
Kenny Nedd,	Class II Clerk
Lauran Brizan,	Senior Customs Officer
Rickey James,	Class II Clerk
Shonda Alexander,	Customs Clerk

Annex 2.2 List of Trainers for Workshops

Gerard James,	Principal Trainer
Leslie Smith,	Trainer (National Ozone Officer)

ANNEX 3 Workshop Recommendations

Future workshops should be conducted in smaller groups (similar to this workshop) to keep sessions more interactive.

Refreshers should be held at regular intervals, especially in the use of the refrigerant identifiers, to compensate for the rotation of frontline officers at Customs.

More equipment should be made available by the NOU at more customs stations to allow for a more comprehensive enforcement of ODS consignment testing.

Administrators and Supervisors need to be trained in order to have a better appreciation of the importance of the role of Customs in the monitoring and control of trade in substances that deplete the Ozone Layer.

The role of Customs in the enforcement of additional Multilateral Environmental Agreements should be introduced to provide a more holistic approach to fulfilling Grenada's obligations under ratified conventions.

More time should be allotted for practical demonstrations and those demonstrations should be done in the work environment.

The workshop should be held over a two day period to allow for more detailed presentations on the issues.

ANNEX 4 Evaluation by the participants

Workshop Evaluation

Please complete this questionnaire and indicate your personal evaluation by ticking the appropriate boxes (1 represents poor and 5 represents excellent):

1. What is your overall evaluation of the workshop?

1. 2. 3. 4. 5.

2. Did the workshop provide the information you expected?

1. 2. 3. 4. 5.

3. Was communication between participants possible and useful?

1. 2. 3. 4. 5.

4. Was the composition of the audience adequate?

1. 2. 3. 4. 5.

5. As far as the contents of the presentation are concerned, did you find them adequate in explaining the following issues:

a. Environmental and human health consequences of ozone layer depletion?

1. 2. 3. 4. 5.

b. International response to ozone layer depletion (Montreal Protocol)?

1. 2. 3. 4. 5.

c. National Obligations and phase-out strategy (TPMP)?

1. 2. 3. 4. 5.

d. Regulatory framework for the national import/export licensing system?

1. 2. 3. 4. 5.

e. Prevention of illegal trade of ODS?

1. 2. 3. 4. 5.

f. Role of Customs officers in enforcing the import/export licensing system?

1. 2. 3. 4. 5.

g. How to identify ODS and equipment containing ODS and the use of ODS identifying equipment?

1. 2. 3. 4. 5.

h. Issues relating to the safe storage and handling of ODS?

1. 2. 3. 4. 5.

i. Data reporting requirements and procedures?

1. 2. 3. 4. 5.

j. Enforcement, penalties and prevention of illegal trade

1. 2. 3. 4. 5.

6. Can you think of any additional material that should be included in the “Training Manual for Customs Officers” to enable it to better achieve its goals?

7. Please give additional comments about the quality of the workshop and how similar workshops could be improved:

PLEASE INDICATE YOUR NAME, ORGANIZATION AND PROFESSION AND RETURN COMPLETED QUESTIONNAIRE BEFORE LEAVING: (Optional)

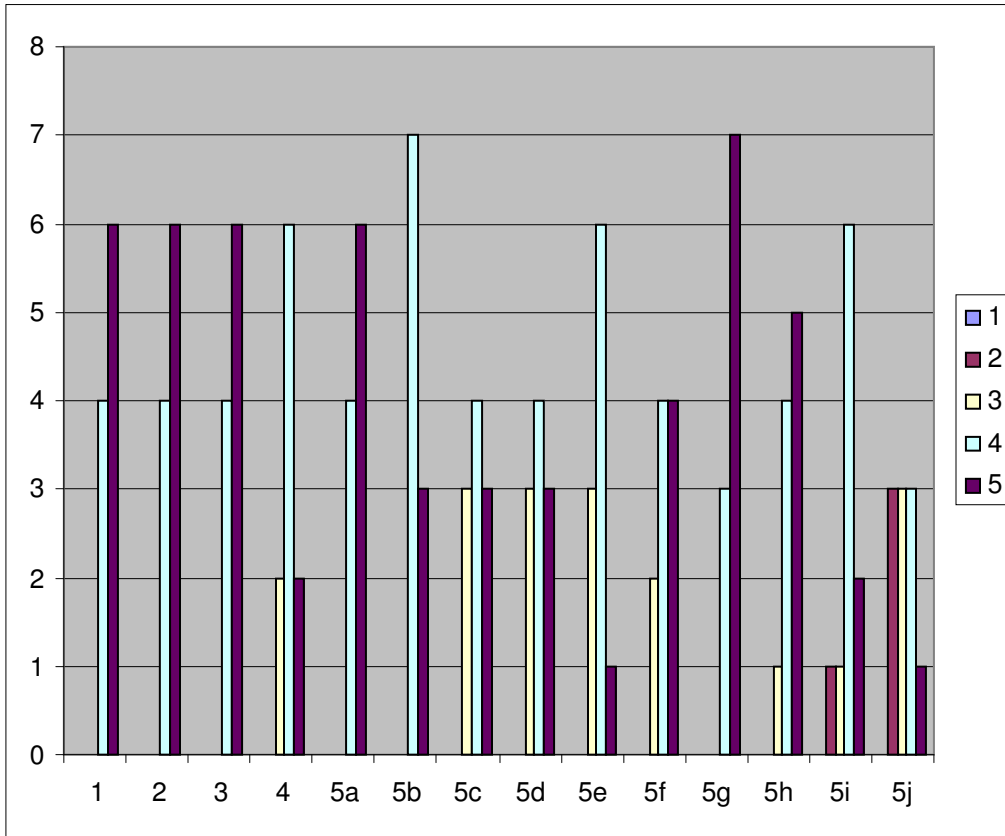
Name: _____

Organisation: _____

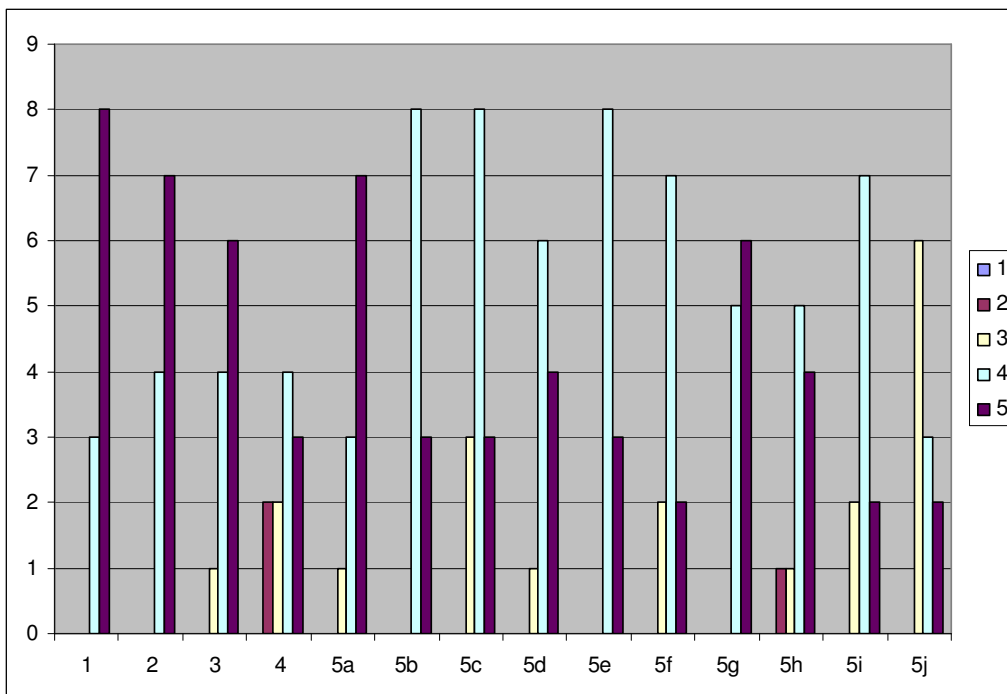
Profession: _____

Workshop Evaluation Results

Wednesday 29th April 2009



Wednesday 6th May 2009



ANNEX 5 Workshop Photos

