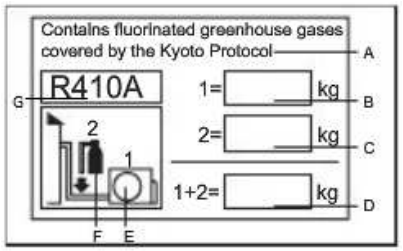
LABELING OF EQUIPMENT WITH FGHG

The following equipment containing FGHG shall be identified with a label, as shown in the image bellow:

- Refrigeration equipment which contains perfluorocarbons (PCFs).
- Refrigeration and air conditioning equipment, heat pumps, fire protection systems and fire extinguishers if containing hydrofluorocarbons (HFCs).
- Switchgear which contains shulphur hexafluoride (SF_6) or preparations containing it.
- All fluorinated GHG containers.



Thank you for taking care

of the environment

For more information:

Contact with the Facility Manager or the Environmental Department

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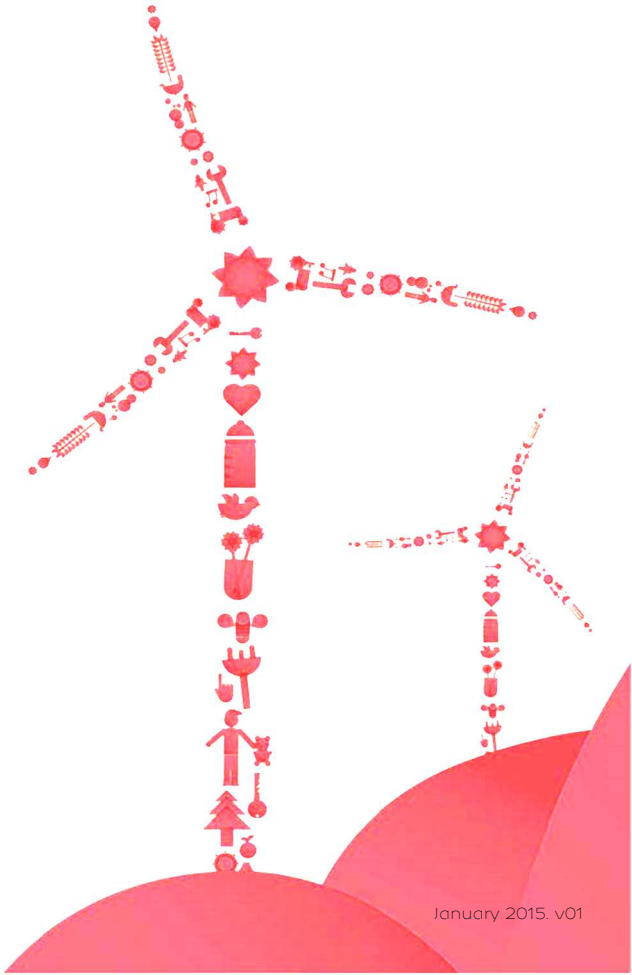
GUIDE FOR MANAGING EQUIPMENT WITH FGHG & ODS



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WHAT ARE FGHG AND ODS? WHY ARE THEY SO IMPORTANT?

- **Fluorinated Greenhouse Gases (FGHG)** are responsible for global warming and climate change; these two effects have serious consequences on human health and the environment due to the rise of global temperature: ice melting on polar caps, sea level rise, droughts, etc.

- **Ozone Depleting Substances (ODS)** are responsible for the decrease of ozone concentration in the ozone layer, increasing the well known "ozone hole". The main consequence is the affection to human, animals and plants due to the continuous exposure to UV radiation.

The main FGHG and ODS that may be found within EDPR facilities are:

FGHG: SF_6, as a dielectric fluid, and HCFs, such as R410, R134 or R407, at air conditioning equipments.

ODS: CFC's or HCFC's such as R22 also found at air conditioning equipments.

WHAT SHALL I DO IN THE EVENT OF A LEAKAGE?

If a leakage of control substances is detected, turn off the equipment immediately and, if possible, stop the gas leakage.

Hire an authorized company to review the equipment and take the necessary measures.

Inform the facility manager immediately about this kind of situations.

MAIN POINTS TO BEAR IN MIND


Take all precautionary measures to prevent and minimize leakages and emissions of controlled substances (FGHG or ODS).


Repair any detected leakage as soon as possible.


Make sure to contact certified companies/technicians for the technical interventions in equipment containing FGHG and ODS.


Deliver to an authorized waste handler the equipment that becomes a waste.


Ensure that these controlled substances are recovered for destruction, recycling or reclamation.


Perform the proper leakage controls.

For more information see the general procedure EXPR-EU/EMS-GEN-00013 "Management of equipment with FGHG & ODS_v01"

WHEN SHALL I CARRY OUT A LEAK CHECK?

- If the equipment containing FGHG and ODS has **had a leakage**, you shall carry out a **leak check within 1 month** after the repair to ensure that it has been effective.

EQUIPMENT CONTAINING ODS:

- In equipment containing between **3 and 30 kilograms of ODS**, a leak check shall be perform at least once **every 12 months**.

- In equipment containing **30 or more kilograms of ODS,** a leak check shall be perform at least once **every 6 months**.

EQUIPMENT CONTAINING FGHG:

- In equipment containing FGHG in quantities between **5 and 50 t of CO_2 equivalent**, a leak check shall be perform at least once **every 12 months**. If a **leakage detection system** is installed, at least **every 24 months**.

- In equipment containing FGHG in quantities between **50 and 500 t of CO_2 equivalent**, a leak check shall be perform at least once **every 6 months**. If a **leakage detection system** is installed, at least **every 12 months**.

- In equipment containing FGHG in quantities of **500 t of CO_2 equivalent or more**, a leak check shall be perform at least once **every 3 months**. If a **leakage detection system** is installed, at least **every 6 months**.