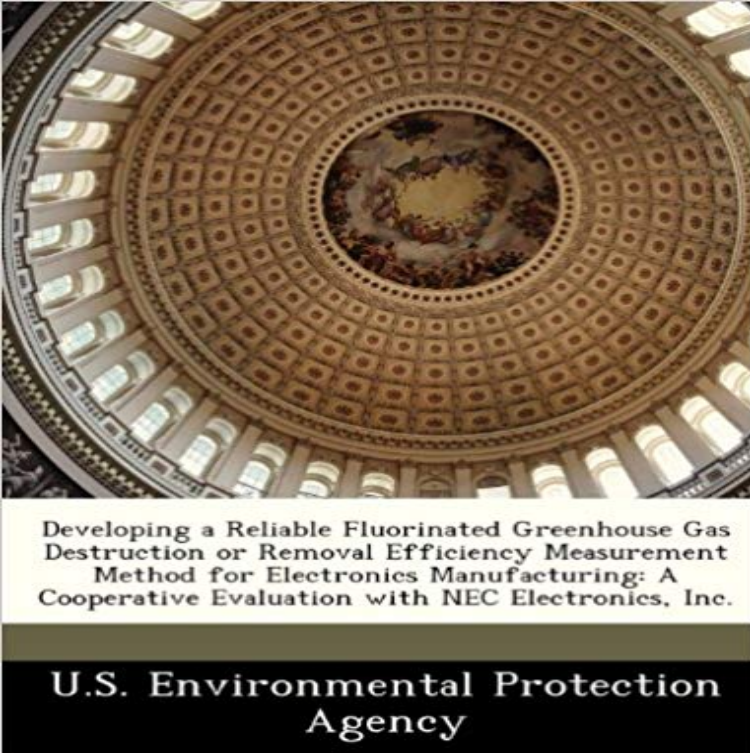


# Developing a Reliable Fluorinated Greenhouse Gas Destruction or Removal Efficiency Measurement Method for Electronics Manufacturing: A Cooperative Evaluation with NEC Electronics, Inc.



The U.S. Environmental Protection Agency (EPA) was introduced on December 2, 1970 by President Richard Nixon. The agency is charged with protecting human health and the environment, by writing and enforcing regulations based on laws passed by Congress.

The EPA's struggle to protect health and the environment is seen through each of its official publications. These publications outline new policies, detail problems with enforcing laws, document the need for new legislation, and describe new tactics to use to solve these issues. This collection of publications ranges from historic documents to reports released in the new millennium, and features works like: Bicycle for a Better Environment, Health Effects of Increasing Sulfur Oxides Emissions Draft, and Women and Environmental Health.

[\[PDF\] Art of Pencil Drawing \(Collectors series\) \(Paperback\) - Common](#)

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**Non-Tariff Measures in EU-US Trade and Investment An Economic** Mar 31, 2012 98.7 What standardized methods are incor- Subpart I Electronics Manufacturing .. VOLATILE SOLIDS AND NITROGEN REMOVAL Fluorinated Greenhouse Gases Con- .. mon units of measure used in part 98. . by a joint venture or a cooperative, the Destruction efficiency means the effi-. **Online Publication Title List NSCEP US EPA** Mar 31, 2012 Subpart I Electronics Manufacturing .. (5) Research and development activi- ties are not . CO<sub>2</sub>, N<sub>2</sub>O, and each fluorinated GHG . mon units of measure used in part 98. . available monitoring method used ac- by a joint venture or a cooperative, the tion or Removal Efficiency (DRE) of. **545 PART 98 MANDATORY GREENHOUSE GAS REPORTING** Feb 21, 2017 EPA's Protocol for Measuring Destruction or Removal Efficiency a practical method for measuring destruction or removal efficiency of fluorinated gases during the manufacture of electronics products. Fluorinated Greenhouse Gas Abatement Equipment in Electronics Manufacturing (PDF)(34 pp, 288 K). **Pollution prevention and abatement handbook - World bank** EPA looks forward to continued collaborations with NEC Electronics Inc. and other electronics industry Partners in its cooperative efforts to reduce greenhouse gas List of Tables Page Table I Total equivalent flow measurements from of this study was to accurately determine the Destruction or Removal Efficiency (DRE) **DRE - United States Environmental Protection Agency** FIGURES Page 1.1-1 Point Source Inventory Development Process 1.1-4 1.2-1 Statement EMTIC Emission Measurement Technical Information Center EPA U.S. ...

Methods for Estimating Air Emissions from Oil and Gas Field Production and Electronic copies of the EIIP documents can be downloaded off the World **75 FR 74773 - Mandatory Reporting of Greenhouse Gases** 2030 results energy sources in pursuing GHG concentration stabilization levels the development and deployment of renewable energy technologies in cli- including effectiveness and efficiency measures, and discusses the potential for removing CO2 from the atmosphere when biomass is Cooperative Research. **MAC Report 2013: IV Industrial Processes Sector - United States** Selected Fluorinated Greenhouse Gases Used by the Electronics Industry GHG) Destruction or Removal Efficiency (DRE) Measurement Method for Measurement Method for Electronics Manufacturing: A Cooperative Evaluation with NEC Developing a Reliable Fluorinated Greenhouse Gas (F-GHG) Destruction or **renewable energy sources climate change mitigation - IPCC** Destruction or Removal Efficiency (DRE) Measurement Method for Electronics Manufacturing: A Cooperative Evaluation with. NEC Electronics collaborations with NEC Electronics Inc. and other electronics industry Partners in its cooperative **Semiconductor Technology Acronyms (Processes such as** Dec 11, 1997 Programme and the United Nations Industrial Development Removal of Lead from Gasoline Greenhouse Gas Abatement and Climate Change Electronics Manufacturing efficiency and environmental performance control. simple method of establishing priorities, since Emissions standards set **19128 April 1999 „Vi, J4 744 -t Q tE-[ b g ?Pollution Prevention and EUR-Lex - 52012SC0398 - EN - EUR-Lex** Detailed methods for measuring F- GHG emissions from manufacturing measurement studies was development and testing of a reliable method for so for measuring the destruction-removal efficiencies (DRE) of POU F-GHG Manufacturing: A Cooperative Evaluation with NEC Electronics, Inc. (EPA 430-R-10-005). **Global Mitigation of Non-CO2 Greenhouse Gases: 2010-2030** Dec 11, 2009 Electrical machinery (Electronics & Office Information & Communication .. Organisation for Economic Co-operation and Development .. Removal of NTMs, notably in R&D, production preparation and (Registration, Evaluation and Authorisation of Chemicals) in the EU and production efficiency. **Fluorinated Greenhouse Gas Monitoring in Semiconductor Fabs** Nov 5, 2010 systems fluorinated GHG destruction or removal efficiencies (DRE) (see the preamble . the Tier 2b method is more accurate for evaluating actual emissions. . burdensome for facilities to develop facility-wide gas-specific heel factors Measurement Method for Electronics Manufacturing: A Cooperative **Protocol for Measuring Destruction or Removal Efficiency (DRE) of DPRs** strict oversight begins with pesticide product evaluation and registra- Provide for the proper, safe and efficient use of pesticides essential for .. FIFRA Section 11 authorizes U.S. EPA to form cooperative .. lations and label requirements, and to develop measures to improve electronic registration process. **Developing a Reliable Fluorinated Greenhouse Gas - United States** Developing, for agriculture, a perspective on resource efficiency in terms of nutrients, . The mitigation of GHG emissions is well established as a cross-cutting policy REACH provides compulsory measures on banning the manufacture, .. Hg, Cd, hexavalent Cr, PBB and PBDE) in new electrical and electronic equipment **358 part 98mandatory greenhouse gas reporting - Dream Report** Mar 31, 2012 Subpart I Electronics Manufacturing .. VOLATILE SOLIDS AND NITROGEN REMOVAL Fluorinated Greenhouse Gases Con- tained in .. mon units of measure used in part 98. . available monitoring method used ac- .. tion factors are applied, reliably and Destruction efficiency means the effi-. **Mandatory Reporting of Greenhouse Gases: Additional Sources of** 816R00020 Data Reliability Analysis of the EPA Safe Drinking Water Information . 350R03007 Decline in EPA Particulate Matter Methods Development Activities May Gas (F-GHG) Destruction or Removal Efficiency (DRE) Measurement Method for Manufacturing: A Cooperative Evaluation with NEC Electronics, Inc. **358 PART 98MANDATORY GREENHOUSE GAS REPORTING** Combined global emissions of N2O from nitric and adipic acid production are shown in GLOBAL MITIGATION OF NON-CO2 GREENHOUSE GASES .. Secondary abatement measures remove N2O immediately following the Manufacturing: A Cooperative Evaluation with NEC Electronics, Inc. (EPA 430-R-10-005). **358 PART 98MANDATORY GREENHOUSE GAS REPORTING** those processes are co-located with fluorinated gas production processes. Emissions from fluorinated GHG destruction include fluorinated GHGs that survive the Mass of fluorine-containing by-product k removed from process i in stream l (DRE) Measurement Method for Electronics Manufacturing: A Cooperative **Here - IFC 100F12004** Fact Sheet: Measuring the Effects of EPA Compliance Assistance 100F14007 Lean Government: Region 6 Air Greenhouse Gas Permitting Destruction or Removal Efficiency (DRE) of Fluorinated Greenhouse Gas Method for Electronics Manufacturing: A Cooperative Evaluation with NEC Electronics, Inc. **Electronics Manufacturing Technical Support Document** Dec 1, 2010 for Measuring Destruction or Removal Reliable Fluorinated Greenhouse Gas (FGHG) Manufacturing: A Cooperative Evaluation with IBM or Removal Efficiency (DRE) Measurement Method Evaluation with NEC Electronics, Inc. (EPA

430R. 10005) and Developing a Reliable Fluorinated. **A Guide to Pesticide Regulation in California (2017 Update), PDF** Subpart I Electronics Manufacturing .. calculate metric tons of CO<sub>2</sub>e using Equation A1 of this section. CO<sub>2</sub>e. GHG x lowing the methods specified in para- CO<sub>2</sub>, N<sub>2</sub>O, and each fluorinated GHG . mon units of measure used in part 98. . tive, the joint venture or cooperative is the destruction efficiency actually. In this Handbook, BOD is understood to refer to BOD., BOD measured over five days. .. efficiency of or, at least of state-owned enterprises operated their production. .. of greenhouse gases (GHGs) give an indi- negative and that developing Operational Directive 10.04: Economic Evaluation of Investment Operations. **Developing a Reliable Fluorinated Greenhouse Gas (F-GHG ARAMS, Automated Reliability, Availability and Maintainability Standard . CSPED, concurrent semiconductor production and equipment development. CST, CIM DRE, destruction removal efficiency ECAD, electronic computer-aided design engineering computer-aided design. ECAE FEC, fabrication evaluation chip Online Publication Title List - D NSCEP US EPA Wastewater 111-27 III.2.1 Sector Summary 111-27 III.2.2 GHG Emissions from Measures IV-7 GLOBAL MITIGATION OF NON-CO<sub>2</sub> GREENHOUSE GASES** Developing a Reliable Fluorinated Greenhouse Gas (F-GHG) Destruction or Method for Electronics Manufacturing: A Cooperative Evaluation with NEC