Suppliers of Industrial Greenhouse Gases (GHGs) Monitoring Checklist

United States Environmental Protection Agency

Final Rule: Mandatory Reporting of Greenhouse Gases

What Must Be Monitored for Each Supplier of Fluorinated GHGs or nitrous oxide (N_2O)?

For facilities producing fluorinated GHGs or N_2O, measure, estimate, or calculate these parameters…

☐ Annual mass of each fluorinated GHG or N_2O produced by process (metric tons), except amounts captured solely to be sent off site for destruction.

☐ Annual mass of each fluorinated GHG or N_2O that is measured coming out of the production process (metric tons)

☐ If the mass coming out of the production process includes more than one fluorinated GHG, the concentrations of each of the fluorinated GHGs (other than low-concentration constituents)

☐ Annual mass of each used fluorinated GHG or N_2O that is added to the production process upstream of the output measurement (metric tons)

☐ Annual mass of each fluorinated GHG or N_2O transformed by process (metric tons)

☐ Annual mass of each fluorinated GHG or N_2O fed into the transformation process (metric tons)

☐ Fraction of each fluorinated GHG or N_2O fed into the transformation process that is transformed in the process

☐ Annual mass of each fluorinated GHG that is destroyed on site and that was previously produced (metric tons)

☐ Annual mass of each fluorinated GHG that is fed into the destruction device and that was previously produced (metric tons)

☐ Annual mass of each reactant fed into the fluorinated GHG or nitrous oxide production process, by process (metric tons)

☐ Annual mass of reactants, byproducts, and other wastes permanently removed from each fluorinated GHG or N_2O production process (metric tons)

☐ Annual mass of each fluorinated GHG or N_2O sent to another facility for transformation (metric tons)

☐ Annual mass of each fluorinated GHG sent to another facility for destruction (metric tons)

☐ If the mass sent to another facility for destruction includes materials other than the fluorinated GHG, the concentration of the fluorinated GHG

☐ Share of mass sent to another facility for destruction that is comprised of fluorinated GHGs removed from the production process as byproducts/waste

☐ Estimated percent efficiency of each production process for the fluorinated GHG produced

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For importers of fluorinated GHGs or N_2O, monitor these parameters…

☐ Annual mass of each fluorinated GHG or N_2O imported in bulk (metric tons)

☐ Port of entry through which the fluorinated GHGs or N_2O passed

☐ Annual mass of each fluorinated GHG or N_2O imported in bulk and sold or transferred to persons other than the importer for use in processes resulting in the transformation or destruction of the chemical (metric tons)

☐ Country from which the imported fluorinated GHGs or N_2O were imported

☐ Date on which the fluorinated GHGs or N_2O were imported

☐ Annual mass of each fluorinated GHG destroyed by importer (metric tons)

For exporters of fluorinated GHGs or N_2O, monitor these parameters…

☐ Annual mass of each fluorinated GHG or N_2O exported in bulk (metric tons)

☐ Country to which the exported fluorinated GHGs or N_2O were exported

☐ Date on which the fluorinated GHGs or N_2O were exported

☐ Port of exit through which the fluorinated GHGs or N_2O passed

See also the information sheet for Suppliers of Industrial Greenhouse Gases (GHGs) (EPA-430-F-09-015R) at:
www.epa.gov/ghgreporting/documents/pdf/infosheets/SupIndustrialGreenhouseGases.pdf

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