



**Massachusetts Department of Environmental Protection**  
 Bureau of Air & Waste  
**Gas-Insulated Switchgear Leak Rate**  
**Exceedance Reporting Form**

Complete and submit this form only in the event of an exceedance that must be reported pursuant to 310 CMR 7.72(4)(c). Please note that 310 CMR 7.72 includes other regulatory requirements that are not addressed in this reporting form.

**Applicability & Instructions**

This reporting form applies to all owners of gas-insulated switchgear (GIS). If any particular piece of active GIS equipment placed under the ownership, lease, operation or control of any GIS owner on or after January 1, 2015, does not meet the 1.0% maximum annual leak rate, the regulations require the GIS owner, by April 15 of the year following the calendar year during which the Sulfur Hexafluoride (SF<sub>6</sub>) was added, to provide documentation to the Department of Environmental Protection (MassDEP) demonstrating compliance with 310 CMR 7.72(4)(a) and (b), and describing any additional actions taken or anticipated actions that are expected to reduce the emission rate in the future (310 CMR 7.72(4)(c)).

1. You must use data recorded pursuant to 310 CMR 7.72(8)(b) to determine whether the 1.0% maximum annual leak rate is met.
2. For the purpose of determining whether GIS meets the 1.0% maximum annual leak rate, you must determine an annual average by dividing the amount of SF<sub>6</sub> added to a piece of active GIS equipment by the number of years since the previous addition of SF<sub>6</sub>.
  - a. For the purpose of determining whether GIS meets the 1.0% maximum annual leak rate, you may disregard the first time SF<sub>6</sub> is added after the GIS becomes active GIS equipment.
  - b. You may apply the requirements of 310 CMR 7.72(4)(c) to any group of commonly owned, leased, operated, or controlled pieces of active GIS equipment located in Massachusetts, instead of a single piece of active GIS equipment.

**To Submit:** Email this completed form to: [climate.strategies@state.ma.us](mailto:climate.strategies@state.ma.us) **Questions?** Contact Will Space of MassDEP: 617-292-5610

**Important:**

When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



**A. Facility Information**

**Physical Location:**

Facility Name \_\_\_\_\_

Street Address \_\_\_\_\_

City \_\_\_\_\_ State MA Zip Code \_\_\_\_\_

**Mailing Address:**

Street Address or P.O. Box \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

**Contact Person:**

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

Telephone Number \_\_\_\_\_ Fax Number \_\_\_\_\_

Email Address \_\_\_\_\_

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**B. Exceedance Information**

Calendar year during which SF6 was added: \_\_\_\_\_  
 YYYY

**Gas-Insulated Switchgear (GIS) Equipment Information:**

How many GIS equipment pieces in exceedance? \_\_\_\_\_  
 Number

Complete all fields below for each piece or group of GIS equipment in exceedance:

**Please Note:**  
 You may attach a spreadsheet (1) instead of completing this table, or (2) if you need more room to report a large number of exceedances, or emissions from a group of GIS being reported in aggregate pursuant to 310 CMR 7.72(4)(c)4.

Make	Model	In-Service Date (MM/DD/YYYY)	Annual SF <sub>6</sub> Leak Rate, Per Manufacturer	Amount of SF <sub>6</sub> Added to GIS	Date Added (MM/DD/YYYY)	Number of Years Since Previous Addition of SF <sub>6</sub>	Leak Rate*

\* To Determine Leak Rate: Divide the amount of SF<sub>6</sub> added to GIS equipment by the number of years since the previous addition of SF<sub>6</sub>.

**C. Additional Information** – Attach additional documents, as necessary.

Record of compliance with any manufacturer-recommended maintenance procedures or industry best practices that have the effect of reducing leakage of SF<sub>6</sub>:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Describe any additional actions you have taken or expect to take that will reduce the emission rate in the future:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_