

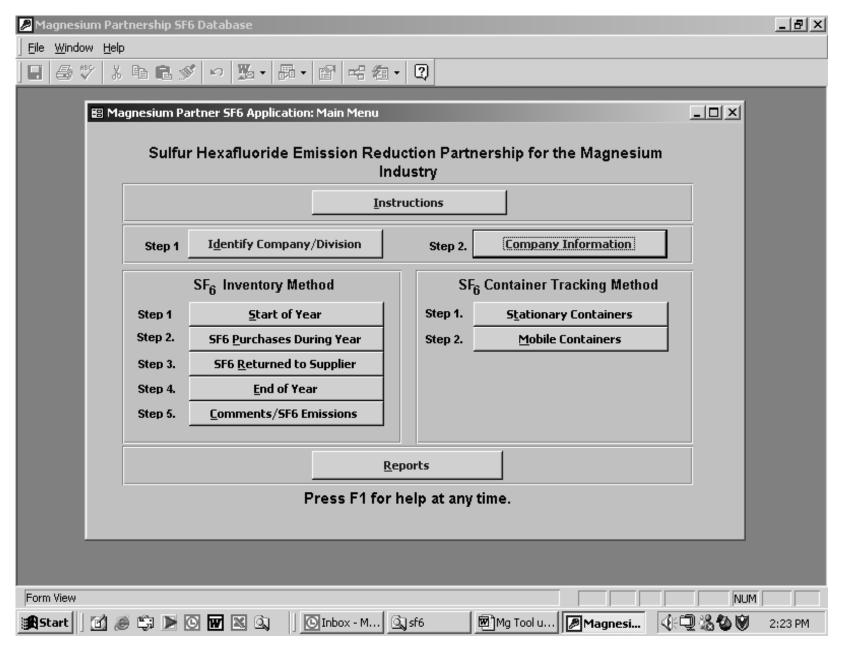
## SF<sub>6</sub> Emission Reduction Partnership for the Magnesium Industry

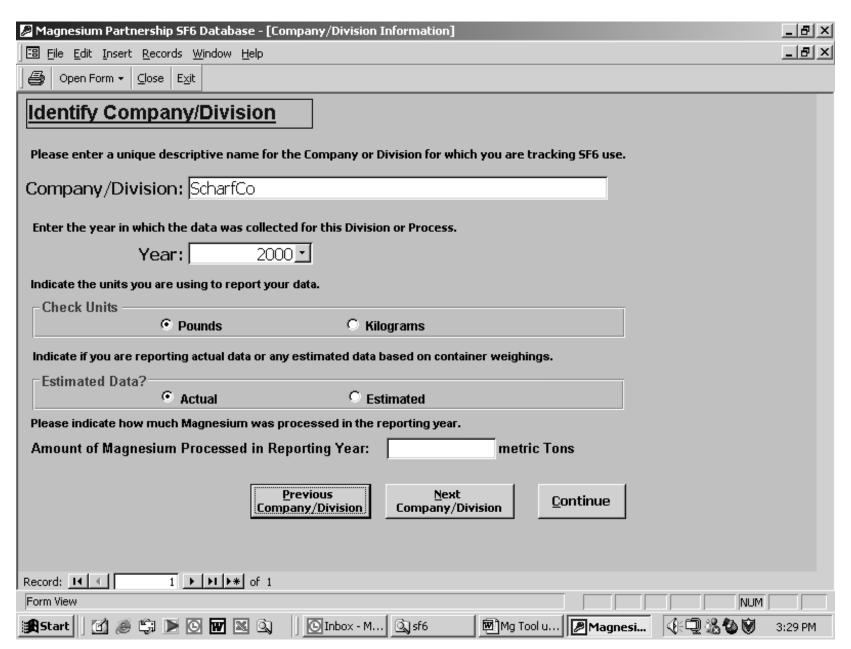
## Partners Workshop – Designing a New Emissions Tracking and Reporting Tool

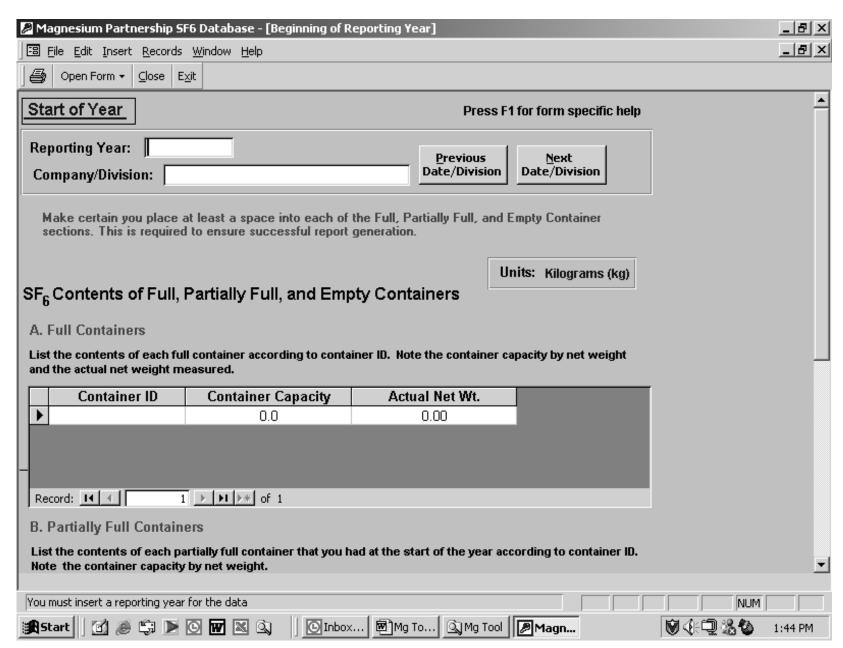
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### Current SF<sub>6</sub> Emissions Annual Reporting Tool

- Access-based software package
- Partner inputs annual tracking data cylinder or container accounting
- Tracking data stored in Access database
- Assumes 100 percent of SF<sub>6</sub> used is emitted
- Automated partner report generation







### Reporting Tool Limitations

### User interface design

- Toggle between "reference cells" causes confusion and data entry problems (Access is a relational database)
- Background data are not transparent
- All cells must contain a "space" when not used and makes data entry time consuming

Only SF<sub>6</sub> can be tracked (ignores alternatives)

Changes to IPCC reporting guidelines (i.e., degradation) cannot be incorporated

Software architecture cannot be readily updated

### Areas for Improvement

- Data Input
- Software framework
- Emissions tracking flexibility
- Reporting requirements

# Creating a New Reporting Tool – Data Input

- Historical data stored on one worksheet and can be easily viewed/compared
- Data input on a single screen with clearly defined inputs and units
- Reporting tool available from the EPA website (i.e., downloadable)
- Tracking methodology allows user-specified inputs (e.g., degradation rates)
- Container tracking? QA/QC?

# Creating a New Reporting Tool – Software Framework

- What is the most compatible software framework?
- Use Excel-based software?
  - Excel is more widely used than Access
  - Excel spreadsheets can be easily manipulated by partners
  - User-friendly automated interface can be created

### Creating a New Reporting Tool

- Emission Tracking Flexibility
- Provide greater flexibility; for example, tracking options for alternate cover gases:
  - AM-Cover™ (HFC-134a)
  - Novec<sup>™</sup> 612 (fluorinated ketone)
  - $-CO_2$
- Indirect emissions?
  - EPA-sponsored energy audits

### Creating a New Reporting Tool

Reporting Requirements

### Report format options:

- Partnership reporting to EPA (similar to current format)
- Historical emissions summary
- Communicating accomplishments

#### Hard copy or electronic report submission?

- Confidentiality?
- Report electronically to IMA?

Direct data entry into online reporting form (i.e., web-based version of the Excel tool)?

### Creating a New Reporting Tool

Other comments/suggestions?

### **Contact Partnership Staff**

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