

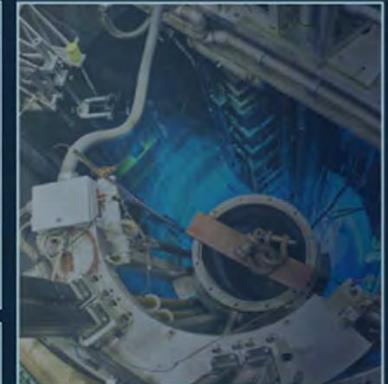
ACCURACY

PERFORMANCE

ACCOUNTABILITY



THE NUCLEAR MATERIALS MANAGEMENT AND SAFEGUARDS SYSTEM (NMMSS)  
**N M M S S**  **2 0 1 3**  
USERS ANNUAL TRAINING MEETING  
MAY 20-23, 2013 - ST. LOUIS, MISSOURI



# Facility Reporting Analysis and Performance

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- NMMSS is currently accepting data
  - Electronically
    - 80 Column
    - XML 1
    - XML 2
  - Paper / PDF



## ■ Reporting Statistics for 2012

- 179 facilities reporting in XML 2 (56%)
- 5 facilities reporting in XML 1 (2%)
- 22 facilities reporting in 80 col (7%)
- 114 facilities reporting hardcopy input (35%)

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NNSA



~ 65 % of reporting facilities are reporting electronically

- This accounts for 97% of the transaction data



## Reporting Performance

- DOE September 2012 Reconciliations
  - Closed 11/26/2012, 10 day ahead of average
  - 49 facilities required to be reconciled
  - 40 facilities reported by 10/15/2012
  - 31 facilities either submitted reconciled or reconciled within 2 days of receipt



## Reporting Performance

- NRC 2012 Reconciliations
  - NMMSS reconciled 267 facilities during 2012, averaging 13 days from receipt to closure
  - There were 33 facilities that were closed on the same day as receipt



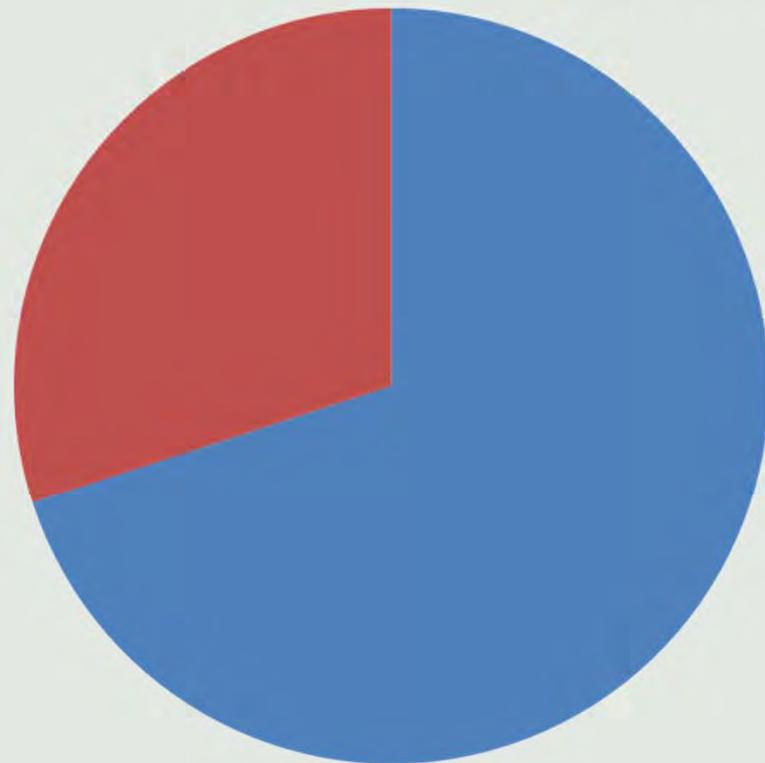
## Reporting Performance

- Transaction Processing
  - Received and processed 18,631 records
    - Totaling 432,233 lines of data
  - Overall error rate of ~ 1%



# Transactions

## 741 Transactions

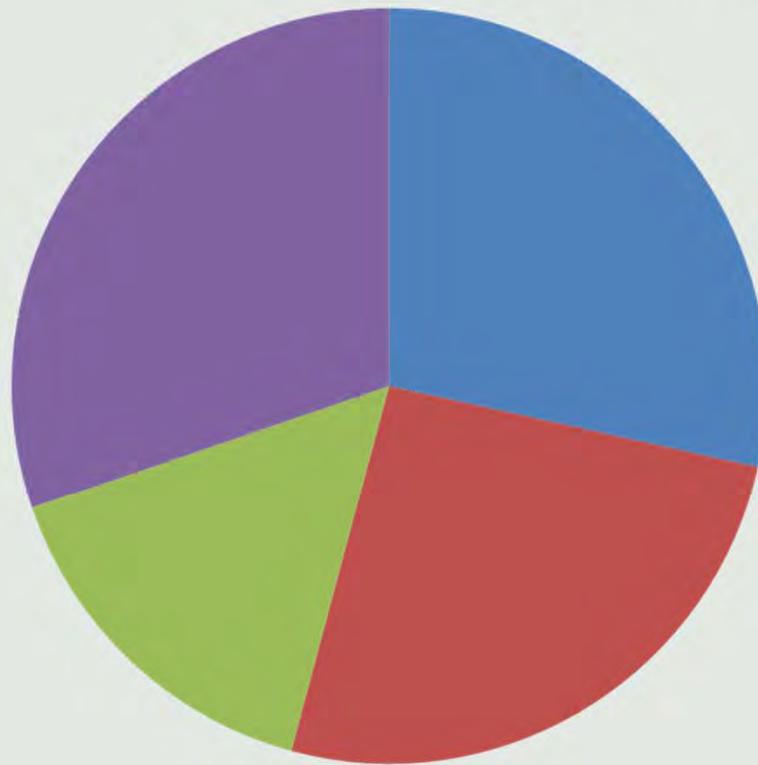


- 70% is reported by 15 facilities
- 30% is reported by 280 facilities



# Transactions

**70 % of 741 Transactions**

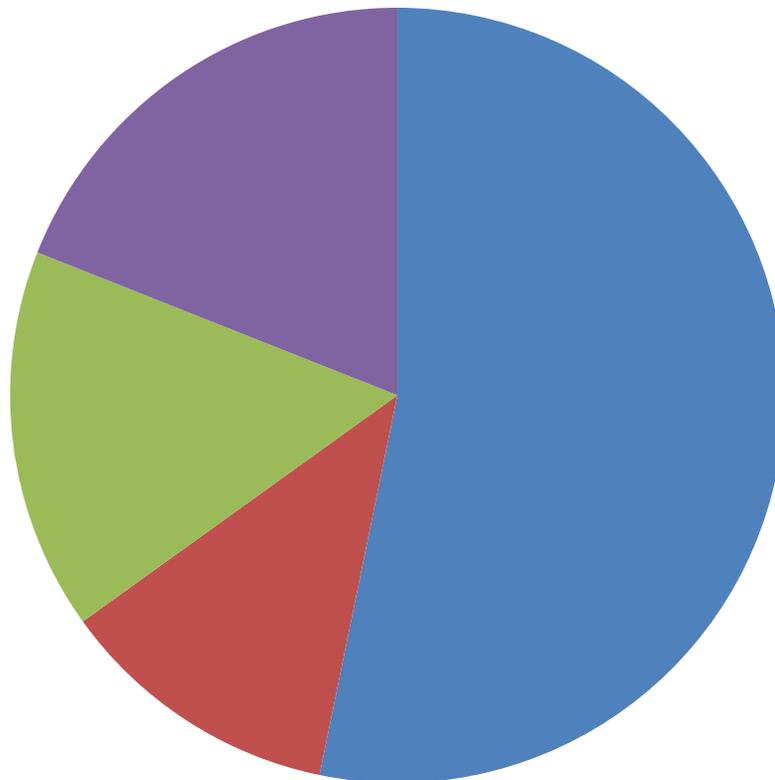


- 20% Waste
- 18% Enrichment
- 11% Fuel Fabricator
- 21% Other



# Transactions

## Error Rate = E



- E = 0% (53%)
- 0% < E ≤ 1% (12%)
- 1% < E ≤ 5% (16%)
- E > 5% (19%)



## Transactions

- Of the 15 largest submitters
  - All report electronically to NMMSS
    - All report in the XML2 format
    - 6 have an error rate of  $< 1\%$
    - 7 have an error rate  $1 < \% < 5$
    - 2 have an error rate  $\geq 5\%$



## Inventory / Material Balance

- Inventory Processing
  - Received and processed 1,034,305 lines of data
- Material Balance Processing
  - Received and processed 5,940 lines of data
    - ❖ NMMSS currently does not track error rates on this processing activity



# Performance Summary

- Overall error rate of 1% for transactions
  - This is 4,479 records in error
    - Requires analyst involvement
      - Correcting
      - Reprocessing
    - Facility involvement
      - Correcting
      - Resubmission



# Performance Summary

- **Electronic Submission**
  - 56% of facilities reporting in XML2 format
    - Requires no conversion
  - 9% of facilities reporting in other electronic formats
    - XML1 and 80 Column reporting requires conversion
- **Paper Submission**
  - 35% of facilities reporting in hardcopy format
    - Requires manual input