



TRI Data Quality Activities

An Overview

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U.S. Environmental Protection Agency
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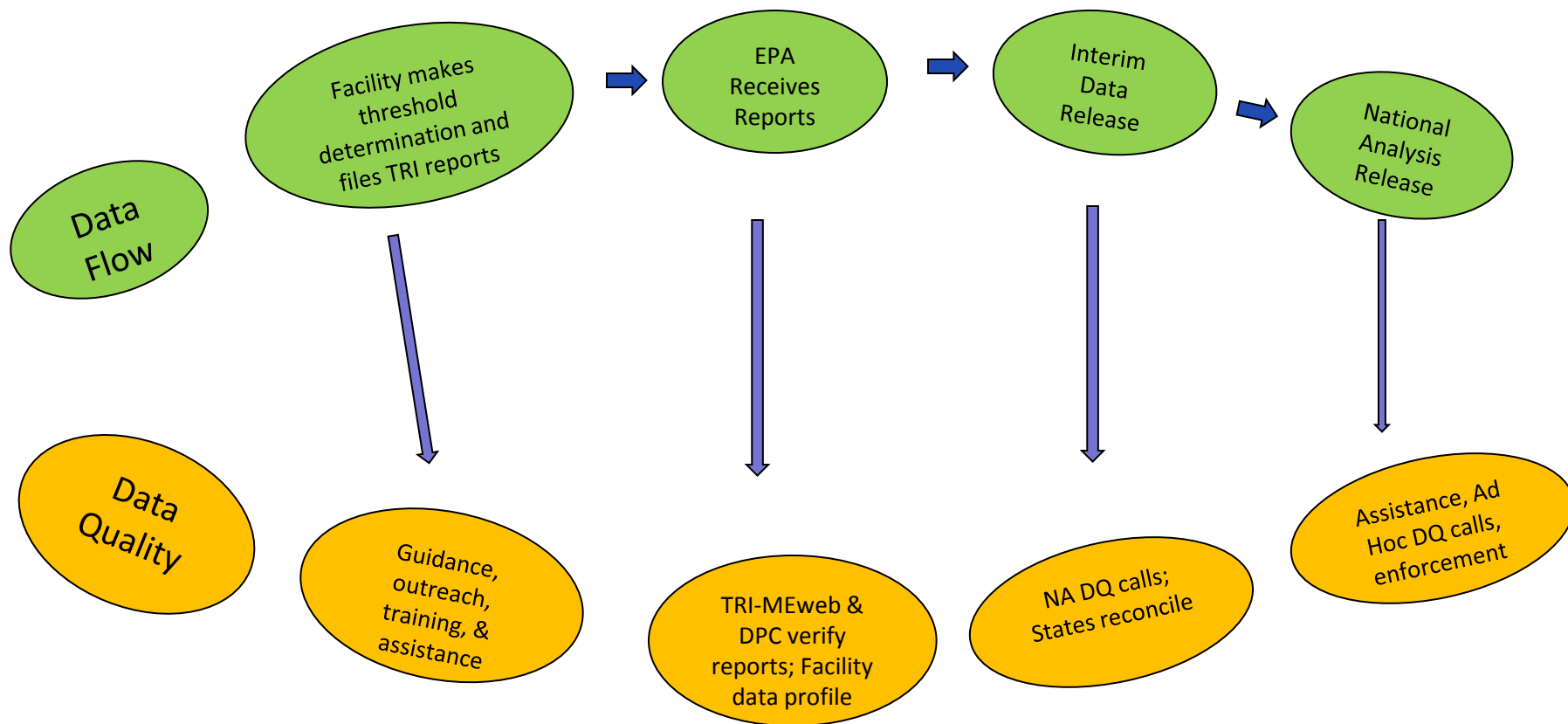


How Does EPA Help to Ensure the Quality of TRI Data?

- Guidance, outreach, training, assistance
- TRI-MEweb, Data Processing Center
- Facility data profile
- State reconciliation
- Data quality calls
- Enforcement



TRI Reporting Data Flow and Data Quality Activities



CDX - Central Data Exchange

DQ - Data Quality

DPC - Data Processing Center

NA - National Analysis

TRI - Toxics Release Inventory

TRI-MEweb – Toxics Release Inventory Made Easy Web



Why Data Quality Calls?

- Conduct Data Quality Calls bi-annually – Summer & Winter
 - National Analysis Data Quality Calls in Summer: focused on National Analysis
 - Ad Hoc Data Quality Calls in Winter: focused on specific issues
- Benefits of Data Quality Calls
 - Assures higher-quality National Analysis dataset
 - Delve deep into specific data quality issues
 - Identify enhancements for TRI-MEweb
 - Compare TRI data to other EPA datasets



Analyses for Data Quality Calls

- Engineering Analysis
 - Industry-Specific
 - Chemical-Specific
- Increasers / Decreasers Analysis
- Other Data Quality Issues
 - Persistent Bioaccumulative Toxic (PBT) Chemicals
 - Hazardous Air Pollutants
 - TRI-MEweb Certification Issues
- Comparison of TRI with Other EPA Data
 - National Emissions Inventory / Emissions Inventory System
 - National Pollutant Discharge Elimination System – Discharge Monitoring Reports
 - Toxic Substances Control Act – Chemical Data Reports
 - Resource Conservation and Recovery Act



Summary of Results from Reporting Year (RY)12 & RY11: National Analysis DQ Calls

- RY12 National Analysis Data Quality Calls
 - Net Change in Total Releases → 542 million pounds
 - Net Change in Otherwise Managed → 4 billion pounds
- RY11 National Analysis Data Quality Calls
 - Net Change in Total Releases → 211 million pounds
 - Net Change in Otherwise Managed → 518 million pounds



RY11 Ad Hoc DQ Calls Summary

- TRI/NEI Comparison (Refineries)
 - Net Change in Total Releases → 2 million pounds
 - Net Change in Otherwise Managed → 71 million pounds
- TRI/Discharge Monitoring Report (DMR) Comparison
 - Net Change in Water Releases → 200,000 pounds
 - Net Change in Otherwise Managed → 12 million pounds
- TRI/RCRA Comparison
 - Accurate Offsite Locational Information for Facilities that Received: →
 - Approximately 347 million pounds of Total Releases
 - Approximately 666 million pounds of Otherwise Managed



Enforcement

- Data Quality
 - Over-reporting
 - Under-reporting
- Non-Reporters
 - Facility
 - Chemical(s)
- Never Reporters



Summary

- TRI Program is committed to helping facilities submit high quality TRI data:
 - Data Quality Calls
 - Guidance
 - TRI-MEweb
 - Training
 - TRI Information Center
 - Outreach



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