



**EPA Office of Compliance  
Enforcement Targeting and Data Division**

# **AFS National Workshop**

San Francisco, CA

August 7-9, 2007

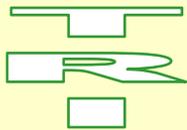
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# Toxics Release Inventory (TRI) Data Cross-Referencing

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August 2007



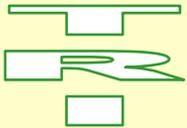
# TRI Cross-Referencing

**What is TRI?**

**Purposes of TRI Cross-Referencing**

**What has been done so far?**

**Next steps**

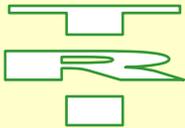


# TRI Cross-Referencing

## What is TRI?

On an annual basis, approximately 23,500 facilities that are in the manufacturing, electricity generation, mining, petroleum bulk storage, chemical distribution, solvent recovery, and RCRA Subtitle C TSD industry sectors submit more than 80,000 TRI reports to EPA that provide detailed facility identification information and detailed information about their releases and their recycling, energy recovery, and treatment activities associated with more than 600 TRI-listed toxic chemicals and chemical compound categories.

TRI reporting is multi-media, covering releases to air, water, and land.

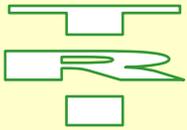


# TRI Cross-Referencing

## Purposes of Cross-Referencing

*To uncover potential noncompliance and data quality problems that might not otherwise be readily apparent without the insights gained from a comparison of the TRI data with the Agency's media-specific data.*

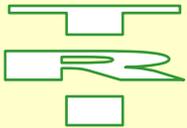
*To promote data integration.*



# TRI Cross-Referencing

## What has been done so far?

An informal intra-agency workgroup with staff from the Office of Environmental Information (OEI), the Office of Enforcement and Compliance Assurance (OECA), and the Office of Air and Radiation (OAR) has met about 10 times to discuss the cross-referencing of TRI data against AFS (Air Facility System) permit data and NEI (National Emissions Inventory) data.



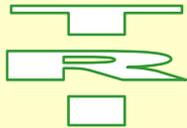
# TRI Cross-Referencing

## What has been done so far?

A TRI data run identified reports with >10 tons of air releases of a single HAP (hazardous air pollutant) and no matching AFS permit as reflected in the database despite the requirement for such emitters to have a major source air permit under the Clean Air Act (CAA).

After OEI thoroughly evaluated the initial list of 200+ reports for missing database linkages, a refined list of 40 TRI facilities with >10 tons of air releases of a single HAP and no corresponding AFS ID was presented to OECA.

In coordination with the regions, OECA has identified 28 potential air enforcement actions as a result of this cross-referencing analysis.



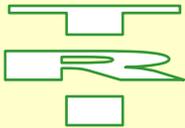
# TRI Cross-Referencing

## What has been done so far?

A TRI data run that complements the first data run identified those TRI facilities with <10 tons of air releases of a single HAP and >25 tons of air releases of all HAPs combined. 25 tons per year or more of any combination of HAPs emissions also constitutes a major source under the CAA.

16 TRI facilities were identified by this data run. All of these facilities had a corresponding AFS ID. Two facilities, however, had minor source designations in the database.

Upon closer examination, OECA determined that these two facilities are, in fact, major permit holders and their correct status will be updated in the databases.



# TRI Cross-Referencing

## Next Steps

Continue with the TRI/AFS cross-referencing analyses.

Expand the TRI cross-referencing analyses to the NEI data as well as to other media-specific data (e.g., National Pollutant Discharge Elimination System (NPDES) permit information, RCRAInfo).

Support OECA's chemical query enhancements (including TRI data enhancements) to its web-based Online Tracking Information System (OTIS).

Develop a user-friendly TRI query tool that cross-references TRI data against the Agency's media-specific data (e.g., NEI, AFS) to generate summary reports that help identify noncompliance and data quality problems.

