

Southwest Indianapolis Air Toxics TAG Meeting
April 10, 2007
1:30 – 3:30 PM
IGCN Room 1319

Meeting Attendees

TAG

LaNetta Alexander
Dr. Bill Beranek
Dr. Syed Ghias
Laura Steadham
Rod Thompson

IDEM

Kathy Watson
Scott Deloney
Jeff Stoakes
Brian Wolff
Balvant Patel
Rob Elstro
Kevin Bump
Megan Tretter
Deborah Cole

Web/Phone

George Bollweg
Motria Caudill
Monica Dick
Dona Bergman
Rad Scott
Phil Stevens

Laura Steadham, meeting facilitator, welcomed the group, initiated introductions and reviewed the day's agenda. Brian Wolff gave the group an overall progress report of the study.

Toxicity Table Update

Jeff Stoakes presented a document entitled "Compounds of Interest for the Southwest Indianapolis Project with Toxicological Values and Reason for Interest". This document was compiled for review by the TAG as a step to help determine what chemicals to ask businesses for.

Jeff explained to the group the methodologies used to select compounds for inclusion in the table:

Three screening methods were used to develop the "Compounds of Interest" table. The first method looked at the preliminary monitoring results. Any compound that measured a concentration over the preset screening concentration for an acute or chronic concentration is included. The second method is based on the monitor's ability to detect compounds at the preset screening concentration. If the Method Detection Limit (MDL) for the compound is above the screening level set for the monitor, the compound was included based on the insufficient screening level. The third method is based on the Toxicity Weighted Screening Analysis (TWSA). The TWSA was conducted using 2004 TRI data, 2002 NEI data and 2002 GLI data. The reported emissions were multiplied by either the URF or RfC to produce a Toxicity Weighted Equivalent. The top 99% of the cumulative equivalent are included in the compounds of interest.

The group had questions and comments regarding this document.

Comments on table

1. Model all compounds?
2. Modeling not connected to the monitoring?
3. Ask every source for their data?
4. Time between the monitoring and the modeling?
5. The list of chemicals to analyze will be a "big job"
6. Aren't we looking for the "big stuff"?

Statistical Method Discussion

Brian Wolff presented a document entitled "Monitoring Data Statistical Evaluation". The group discussed the procedures used in the document in an effort to establish a constant and parallel definition of each procedure for the purpose of the air toxics study. Dr. Ghias shared two U.S. EPA guidance documents with the group. The consensus was to suspend further discussion of the procedures and methods of analysis until everyone has reviewed the EPA documents. After review, the group will resume discussion of the statistical evaluation method(s) via email.