# TRI-NATA Explorer Preview

2007 Environmental Information Symposium St. Louis MO November 15, 2007

Ted Palma - OAQPS

## Development of TRI-NATA Explorer

Goal - Put TRI air emissions into risk context

- OEI has developed TRI database
- OAQPS has developed NATA database
- OAQPS had initially developed NATAexplorer tool (unfunded!)
- OEI Staff begun to enhanced the tool

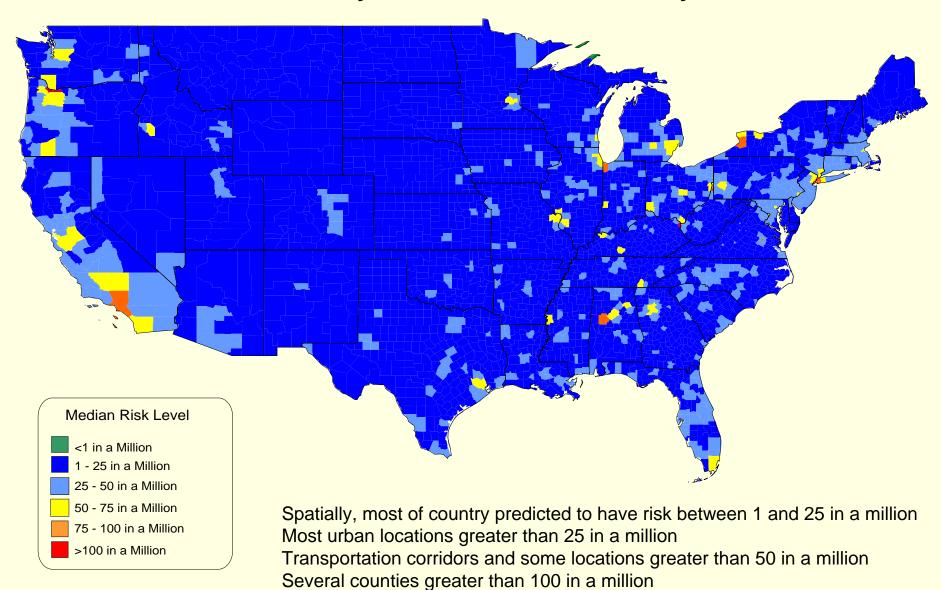
### What is NATA?

- Characterization of air toxics risks across the nation
  - Modeling assessment performed by the USEPA to characterize chronic cancer and noncancer risk estimates for the 133 HAPs
  - Includes many sources of outdoor origin
  - Inhalation only
- Tools for State/Local/Tribal Agencies (and EPA) to prioritize pollutants, emission sources and locations of interest
  - Provides a starting point for local-scale assessments
  - Focuses community efforts
  - Informs monitoring programs
- Results are available in database on NATA website

### **NATA History**

- 1996 NATA
  - Based on 1996 NTI
  - Release May 2002
  - 33 HAPs
- 1999 NATA
  - Based on 1999 NEI
  - Released Feb 2006
  - 177 HAPs
- 2002 NATA
  - Will be based on 2002 NEI
  - Expected Release Early 2008

#### 1999 NATA - National Scale Assessment Predicted County Level Cancer Risk – County Medians

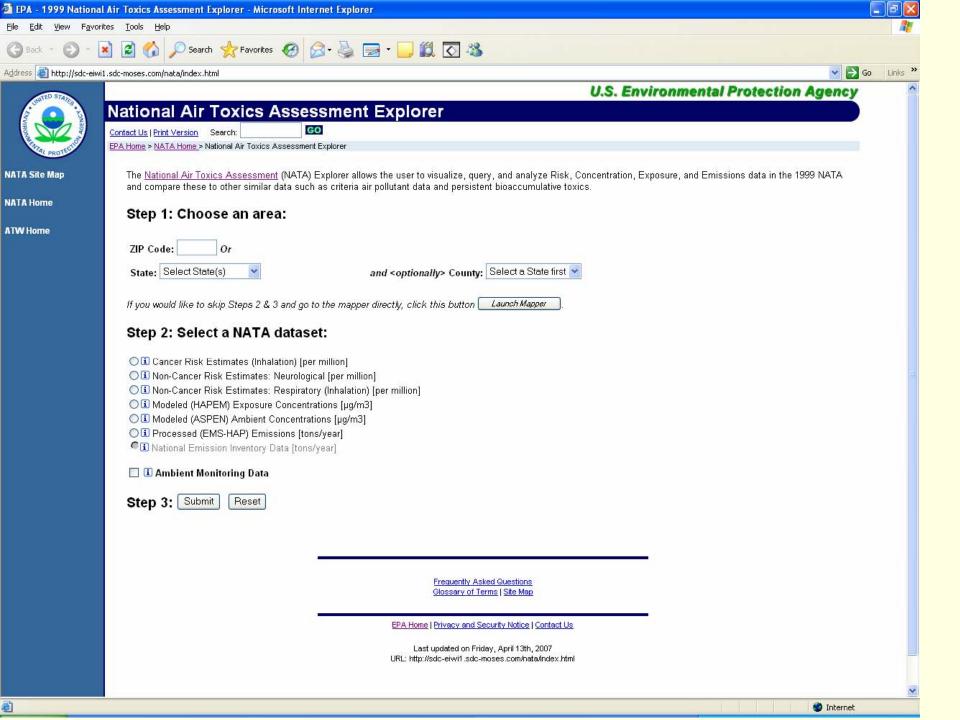


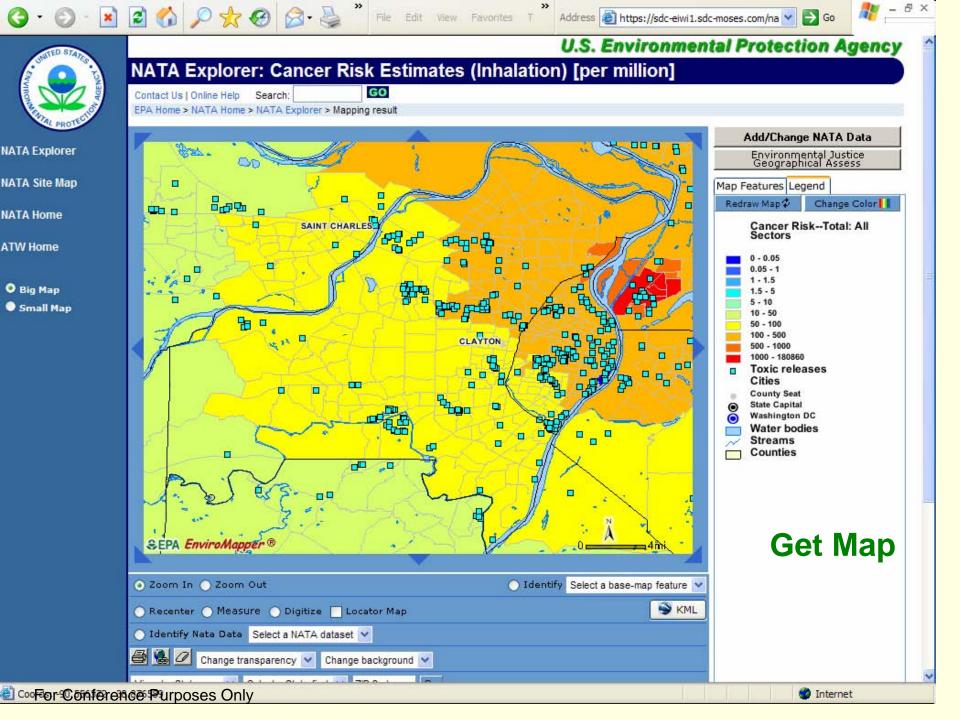
For Conference Purposes Only

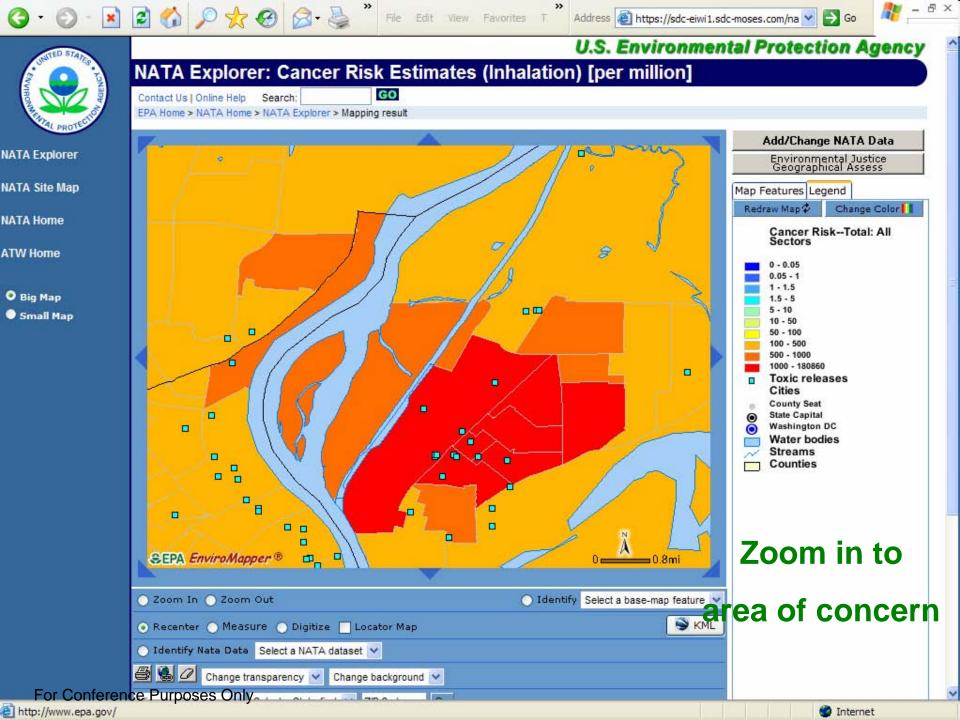
# The whole is greater than the sum of the parts.

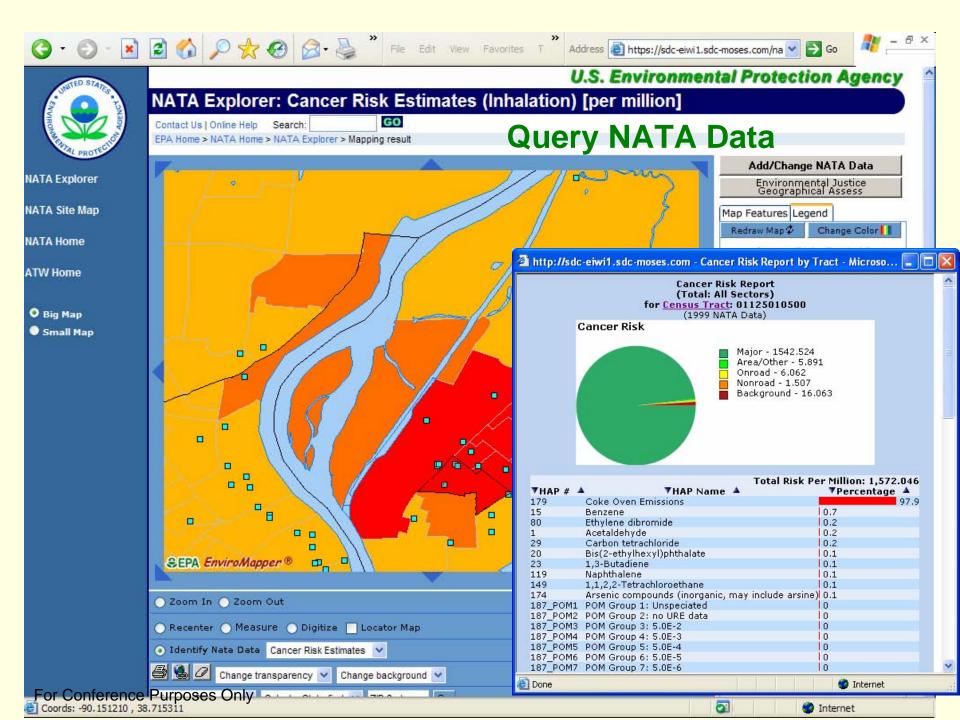
## Getting the Right Information

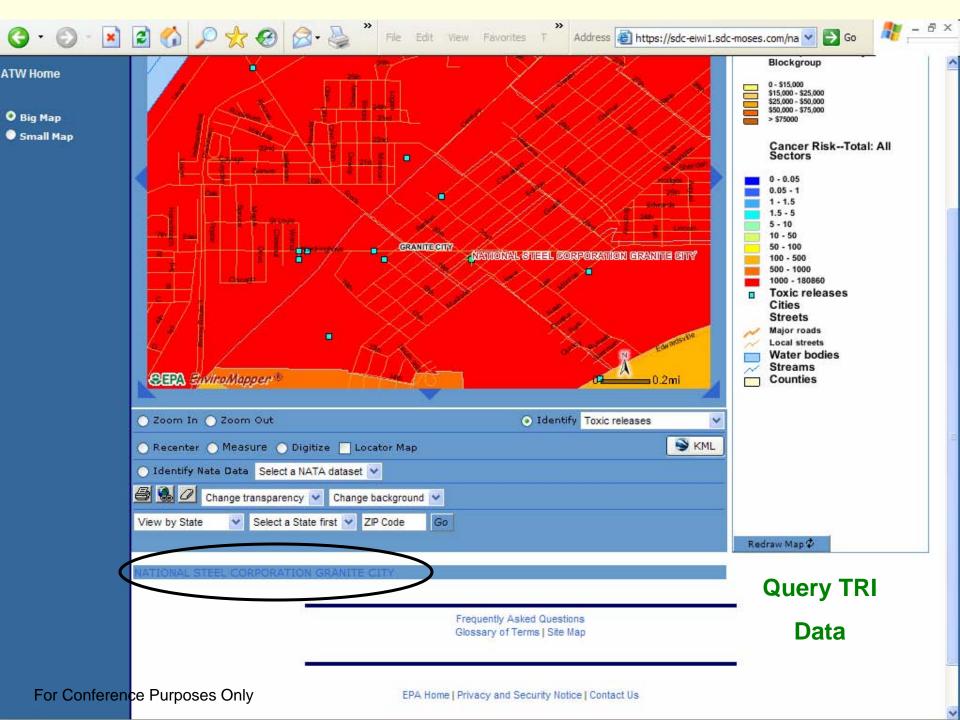
- How can TRI-NATA Explorer better provide information community audiences are interested in?
- How can we make the risk information presented by TRI-NATA Explorer more understandable and useful?
- How can we help people better understand the uncertainty associated with the information provided by TRI-NATA Explorer?
- How can TRI-NATA Explorer be made easier to use?













Click on "View Facility Information" to view EPA Facility information for the facility.

Facility Name: U.S. STEEL GRANITE CITY WORKS Mailing Name: U.S. STEEL GRANITE CITY WORKS

Mailing Address: Address: 1951 STATE ST 1951 STATE ST GRANITE CITY IL 62040 GRANITE CITY IL 62040

MADISON County: Region:

Facility Information: View Facility Information TRI ID: 62040GRNTC20THS DUNS Number: 141233937

> FRS ID 110017423171

TRI Preferred Latitude: 38.697222 TRI Preferred Longitude: 90.141667 Public Contact: D. JOHN ARMSTRONG 4124336792 Phone:

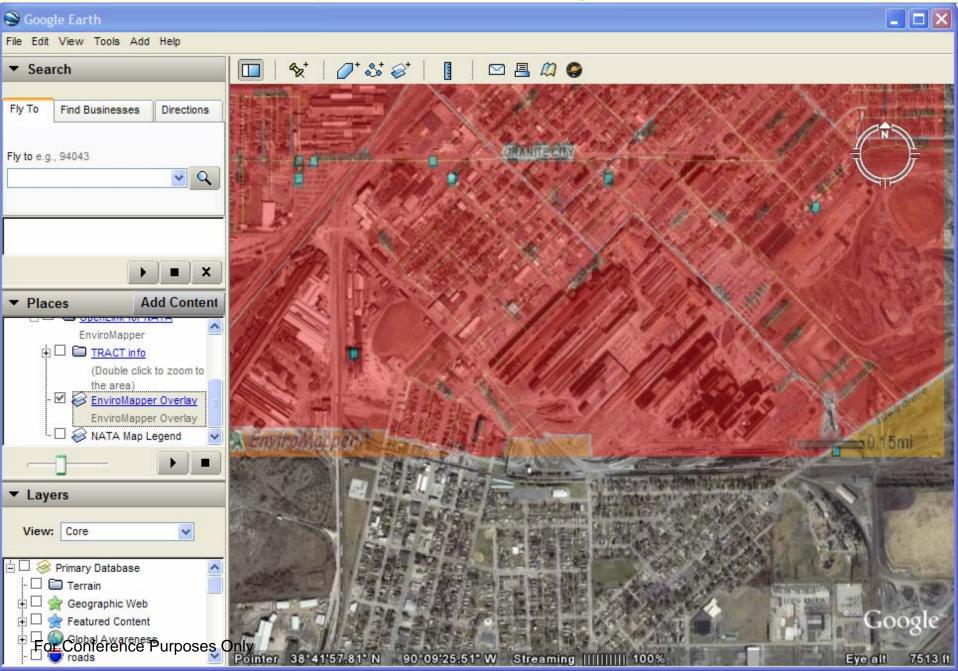
UNITED STATES STEEL CORP Parent Company: Parent DUNS: 029990699

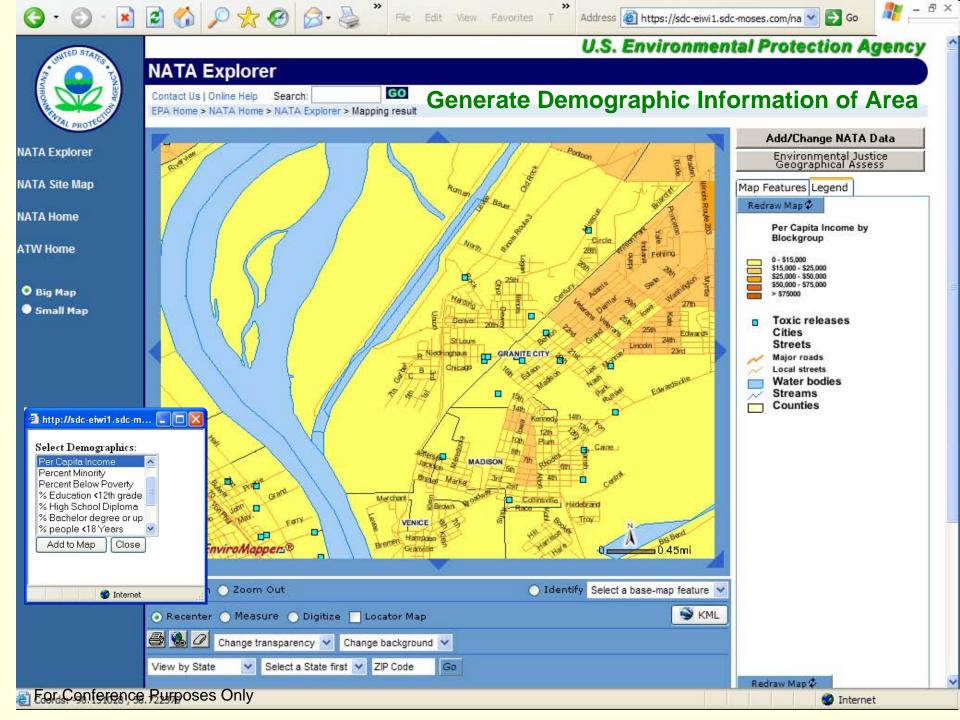
SIC Codes for 2005

SIC CODE SIC DESCRIPTION 3312 STEEL WORKS, BLAST FURNACES (INCLUDING COKE OVENS), AND ROLLING MILLS

The above information comes from 2005, which is the latest reporting year on file for this facility. The earliest reporting year on file for this facility is 1987.

#### **Directly Import Data into Google Earth**





## TRI-NATA Explorer Tentative Schedule

- Internal EPA Focus Group Review September 2007
- Initial Software Enhancements- Fall 2007
- External Focus Group Review February 2008
- Final Enhancements Spring 2008
- Update with 2002 NATA Spring 2008
- Public Release Fall 2008

# TRI-NATA Explorer Development Team

- Ted Palma OAQPS
- Kim Balassiano OEI
- Art Koines OEI
- Dave Wolf OEI
- Mike Petruska OEI