# Community-Based Tracking Systems

Gale Filter
Deputy Director of Enforcement
California Department of Toxic Substances Control

#### Why Community-Based?

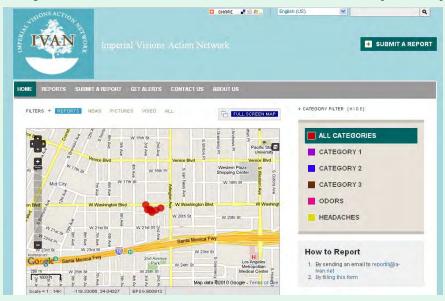
- Government-Based Complaint Systems Lack Transparency
- Regulatory Databases Difficult to Understand

# Community-Based Tracking Tools

- Community Outreach
- Health Surveys
- Ground Truthing
- Mapping
- Community Task Forces
- Crowdsourcing & Citizen Science



#### Imperial Visions Action Network (IVAN)



Los Angeles - IVAN

# Crowdsourcing Applications



LA Bucket Brigade - Oil Spill Crisis Map

# IVAN Enhances Community Tracking Efforts

- Data Submitted via SMS, voicemail, email, or web in Near Real-Time
- Map of Reports is Automatically Generated
- Track Multiple Categories Simultaneously
- Upload Photos/Video with Reports

### IVAN Enhances Community Tracking Efforts (cont.)

- Layer Regulatory Data onto Map
- Perform Trend Analysis
  - Generate Timeline & Frequency of Events
  - Identify areas with significant non-compliance and repeat violators
- Post published news reports related to categories developed by the public

## The Latest: A Website For LA Unified School #13



http://www.la-ivan.net/

## Why is Tracking so Important for Communities?

- Provides the community with organized information to identify trends
  - Hot spot identification
  - Predictive policing
  - Neighborhood policing
- Assists Problem-Solving Strategies
  - Focused Enforcement
  - Policy Changes
  - Mitigation