

DDT, PBB, Radioactive Waste, NAPL, VOCs, SVOCs

DDT, PBB, NAPL, SVOCs
Metals

DDT, PBB, Metals, ?

Vinyl Chloride, VOCs, Lead, Mercury, DDT, Chromium

Petroleum Waste, PAHs, PNAs, Metals

Free product, BTEX, VOCs
SVOCs, Metals, MTBE?

Pre-dredging: BTEX, PAHs, PNAs, TPH, Metals

Radioactive Wastes

?

VOCs, DDT, PBB, SVOCs, Metals



Upstream Contamination In Pine River

Pine River Sediment (SF)

Burn Pit Area

Former Velsicol Plant Site (SF)

Downstream Contamination

Breckenridge Site

~7 Miles

Horse Creek

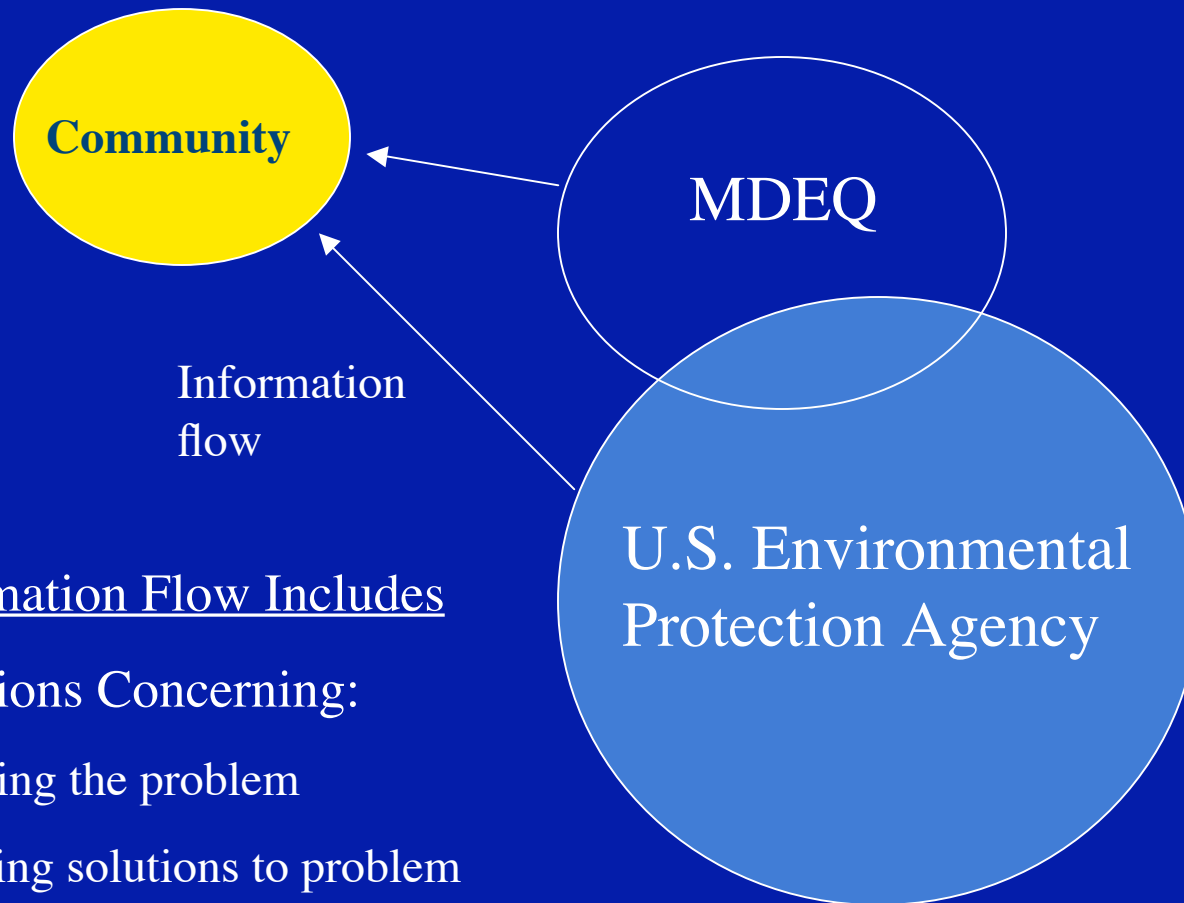
Smith Farm

Former Mid-West Refinery

Former Total Refinery

Gratiot County Landfill

Traditional Relationship Among U.S. EPA, MDEQ and Communities With No CAG

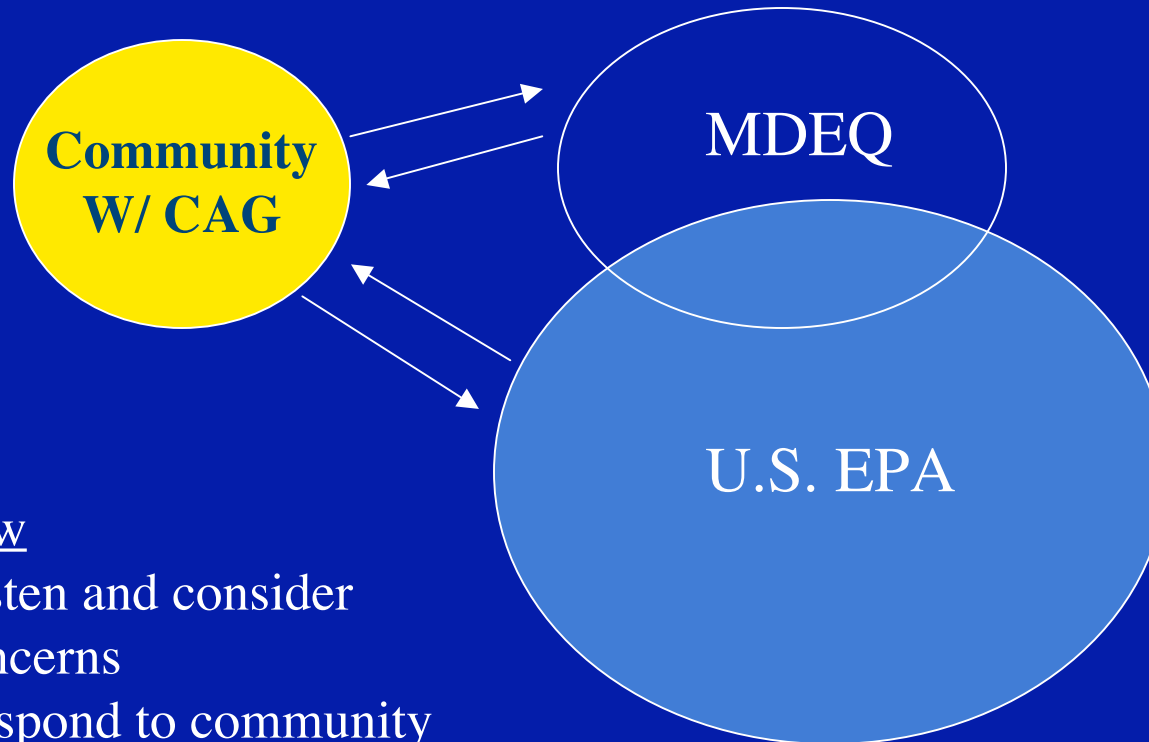


Information Flow Includes

Decisions Concerning:

- Defining the problem
- Creating solutions to problem
- Assessing efficacy of solution
- Calling it “quits”

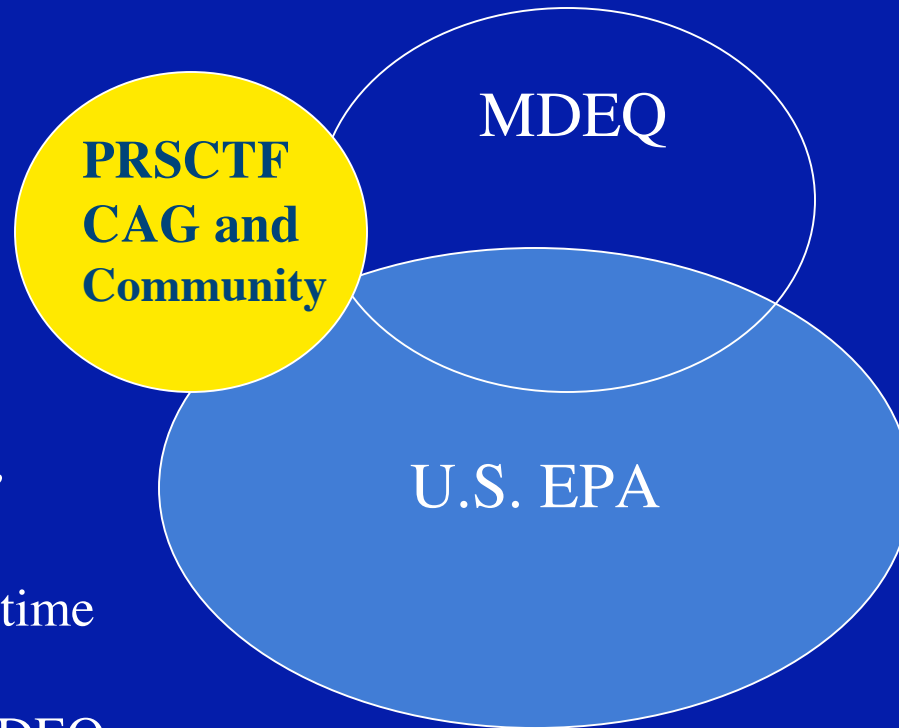
EPA - Community Relationship With CAG



Information Flow

- EPA/MDEQ listen and consider community concerns
- EPA/MDEQ respond to community concerns through letters, visits

Active CAG Relationship With EPA/MDEQ



Information Flow

- Community is consulted *before* decisions are made
- Raw data is shared most of the time
- CAG experts are included in consultations with EPA and MDEQ
- More and different types of contact occur between EPA/MDEQ officials and CAG members

Collaboration Efforts - successful:

NOAA

EPA - remediation (OSWER)

MDEQ

MDNR

FWS

NRC

City governments

County governments

State and federal representatives including Senators and governor

U.S. DOJ

EPA - legal

State Attorney General's Office - now our governor

EPA - brownfield development

Chambers of commerce - County, Cities

Corporations including: Dow, Dow Corning, Fruit of the Loom

Academic institutions:

Alma College

Michigan State University

University of Michigan

Central Michigan University

Saginaw Valley State University

Local and national press

Sierra club - water sentinels project

Rotary club and Optimist club

MUCC - united conservationists