

Who's Paying the Price? The Legacy of the Part 201 Program in Michigan

Graham Diedrich, Michigan State University

What is a contaminated site?

"Any area, place, or property where a hazardous substance in excess of the established state cleanup standard for residential property has been released, deposited, disposed of, or otherwise comes to be located."

- MCL 324.20101

What is a contaminated site <u>really</u>?



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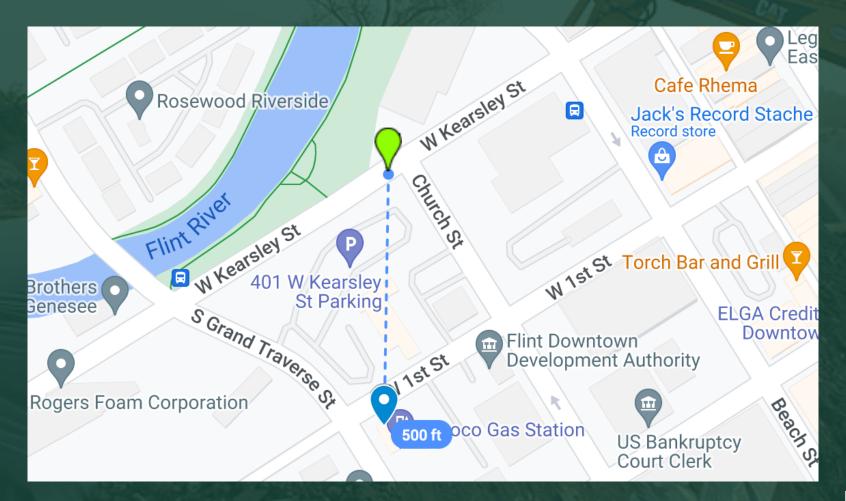


What is a contaminated site <u>really</u>?

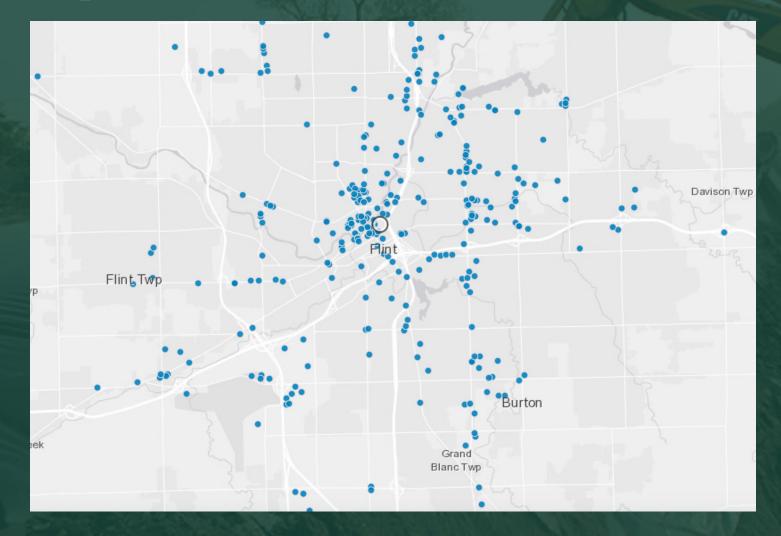




Sites are more common than you might expect:



Sites are more common than you might expect:



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Image: EGLE GIS



Adverse Pregnancy Outcomes



Adverse Pregnancy Outcomes



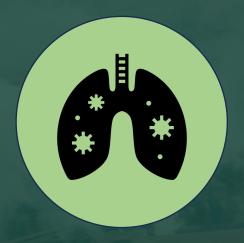
Childhood Cancer



Adverse Pregnancy Outcomes



Childhood Cancer



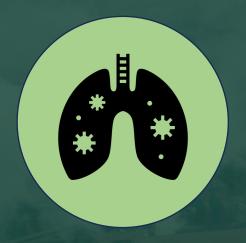
Respiratory Illnesses



Adverse Pregnancy Outcomes



Childhood Cancer



Respiratory Illnesses



Cardiovascular Illnesses

Source: Brender et al. 2011

Have we always had this many sites?



contaminated sites in 2023

Which policy choices explain the increasing number of sites?

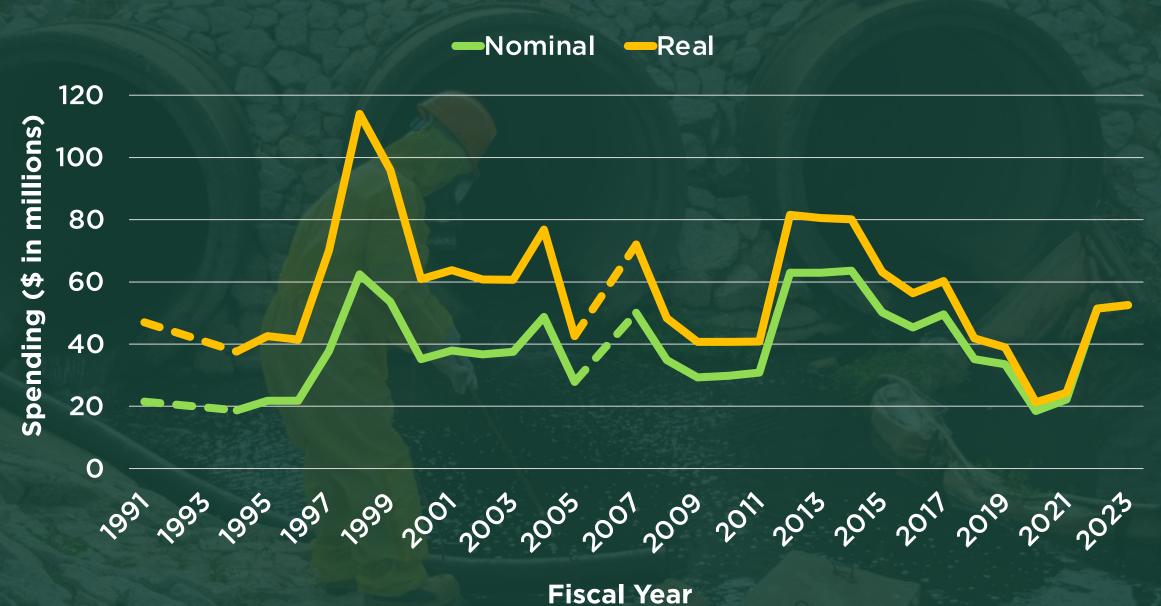
Between 1990-1995, Michigan had the nation's <u>strongest</u> polluter pay law.

- Strict liability and burden of proof
- High cleanup standards
- Public transparency standards

In 1996, amendments <u>weakened</u> liability and cleanup requirements for polluters.

- Only initial owners responsible for pollution
- Burden on state to establish liability
- Increase the allowable risk for carcinogens
- Allowed contaminated groundwater to remain untreated

Part 201 Appropriations, FY 1991-2023



Reporting requirements and modeling parameters were <u>significantly altered</u>.

Act 307 **Part 201** DNR required to submit a list and rank all known sites (including those receiving state funding) by relative risk annually

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Act 307

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Part 201

MDEQ required to annually submit a list of sites where public funds are being received (sorted in alphabetical order)

Risk Classification of Part 201 Sites

- Risk controlled Risk present and immediate
- Risk present, short-term action required Risk present, long-term action required



3 key issues identified:

- 1. The number of contaminated sites in Michigan has risen enormously
- 2. Part 201 operates with less overall funding than Act 307
- 3. Removal of transparency and reporting requirements

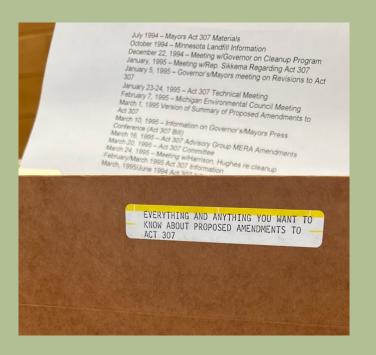
Without solving these issues, we cannot adequately address contaminated sites:



Lack of reporting and transparency



Evaluatory Framework







Legal Components



+1 Expansive

O No change

-1 Restrictive

Administrative Components

35 Public Acts

33 Programmatic Components

Scoring System

Programmatic Component Categories

Remediation Components Legislative provisions relating to the cleanup of sites.

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Legal Components

Approaches to liability, property interests, and civil action.

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Administrative Components

Impacts to program operations (funding, modeling, oversight bodies).



Between 1990-2018, most programmatic components were restricted:

76%

Experienced a contraction.

1%

Experienced <u>no</u> <u>change</u>.

33%

Experienced an expansion.

Net scores broken down by component categories:

Remediation Components:

82%

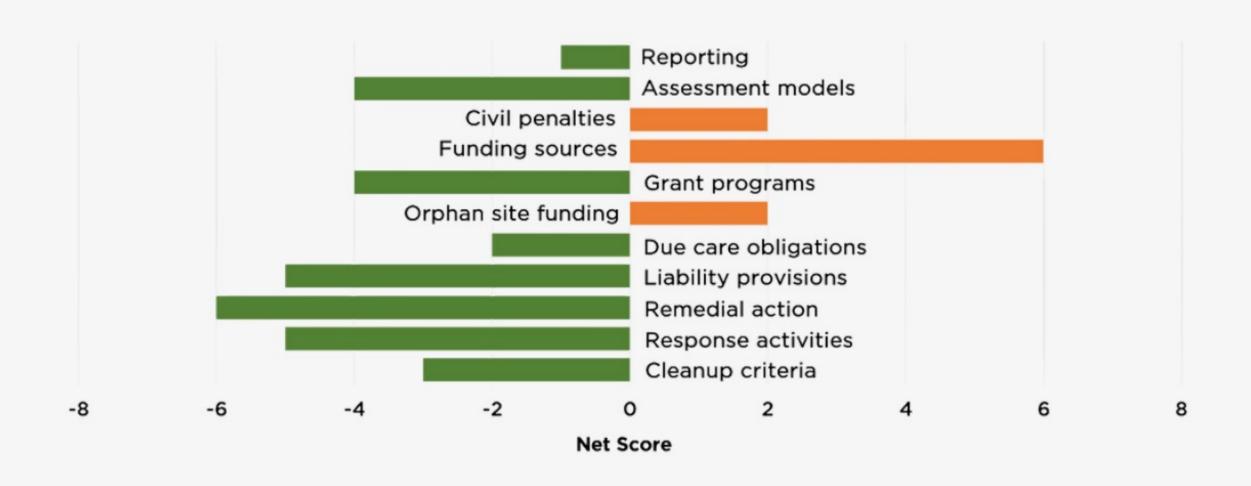
Legal Components:

64%

Administrative Components:

82%

Result summary, by key program components:



Takeaways

- Expanded components mostly related to funding arrangements
- Altering liability provisions, cleanup requirements, due care obligations, and reporting requirements → difficult to establish liability and exact payment
- Fundamental changes are needed to how we regulate and remediate sites

Policy Recommendations

- Strengthen monitoring and reporting requirements
- Expanding liability and reduce allowable exemptions
- Limiting the utilization of institutional controls over full remediation
- Alter cleanup criteria, shifting away from land-use categories
- Develop a new fund for Part 201



Thank you!

Any questions or comments?

diedgr@msu.edu grahamdiedrich.com

References

Brender, J. D., J. A. Maantay, and J. Chakraborty. (2011). "Residential Proximity to Environmental Hazards and Adverse Health Outcomes." American Journal of Public Health 101, no. 1 (Suppl 1): S37-S52. doi: 10.2105/AJPH.2011.300183.

Michigan Department of Environment, Great Lakes, and Energy (EGLE). "Part 201 Environmental Contamination Sites." Retrieved from https://gis-egle.hub.arcgis.com/datasets/egle::part-201-environmental-contamination-sites/explore