MINNESOTA POLLUTION CONTROL AGENCY

MPCA Bonding Proposals

House Water Division

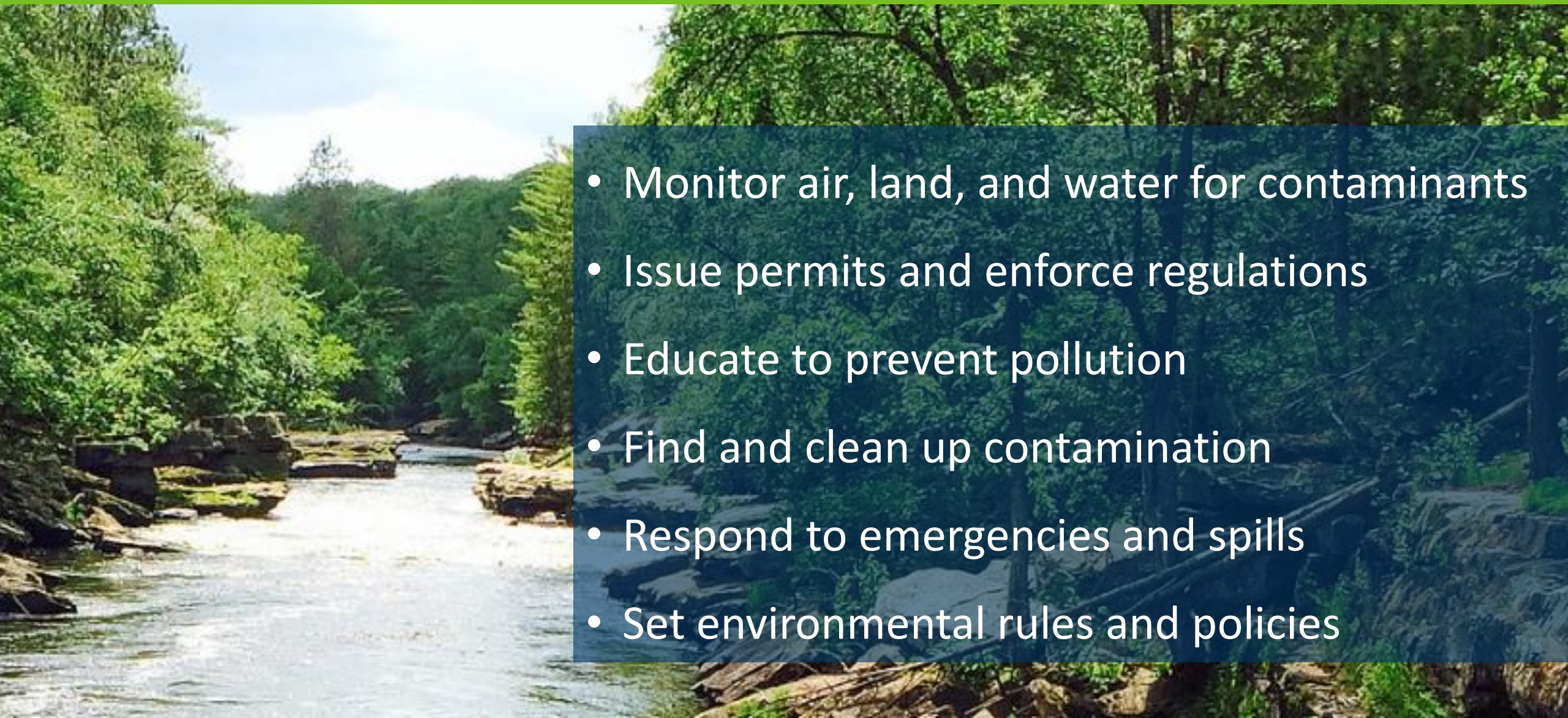
February 24, 2020

Our mission

Protect and improve the environment and enhance human health.

MINNESOTA POLLUTION CONTROL AGENCY

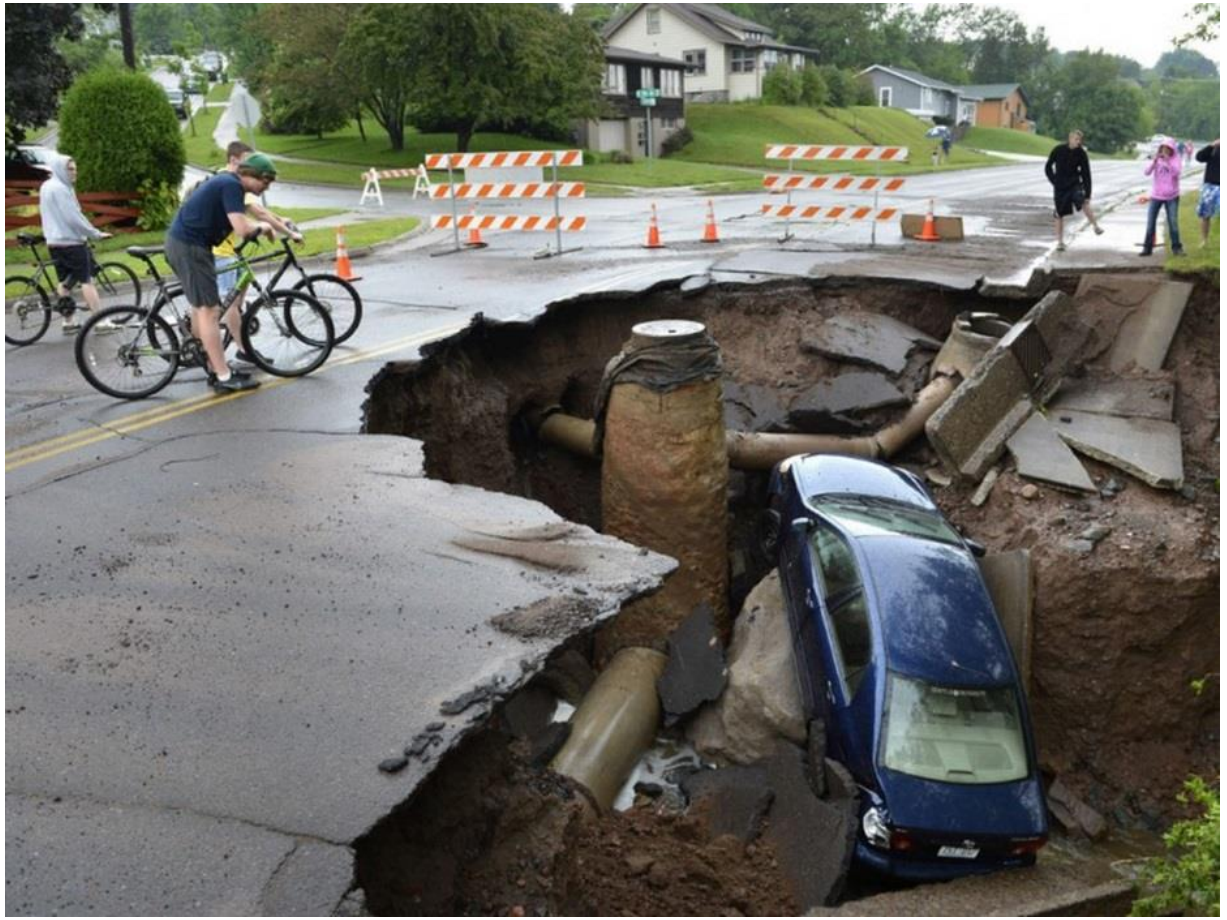
Core products and services



- Monitor air, land, and water for contaminants
- Issue permits and enforce regulations
- Educate to prevent pollution
- Find and clean up contamination
- Respond to emergencies and spills
- Set environmental rules and policies

$15 M - Sustainable Communities and Climate Resilience

- Climate resilience = the ability of a system to anticipate, absorb, accommodate, or recover from the effects of weather events intensified by climate change
- 20% increase (1951-2012) in total precipitation in the Twin Cities



Sinkhole in Duluth caused by 2012 flooding.

$15 M - Sustainable Communities and Climate Resilience

- Past 5 years were some of the **wettest** on record.
- In the future, rainfall will likely happen less frequently, but with more **intensity.**
- **Stormwater infrastructure is aging and undersized.**
- **98% of surveyed municipalities** want to implement at least one stormwater climate resiliency project.

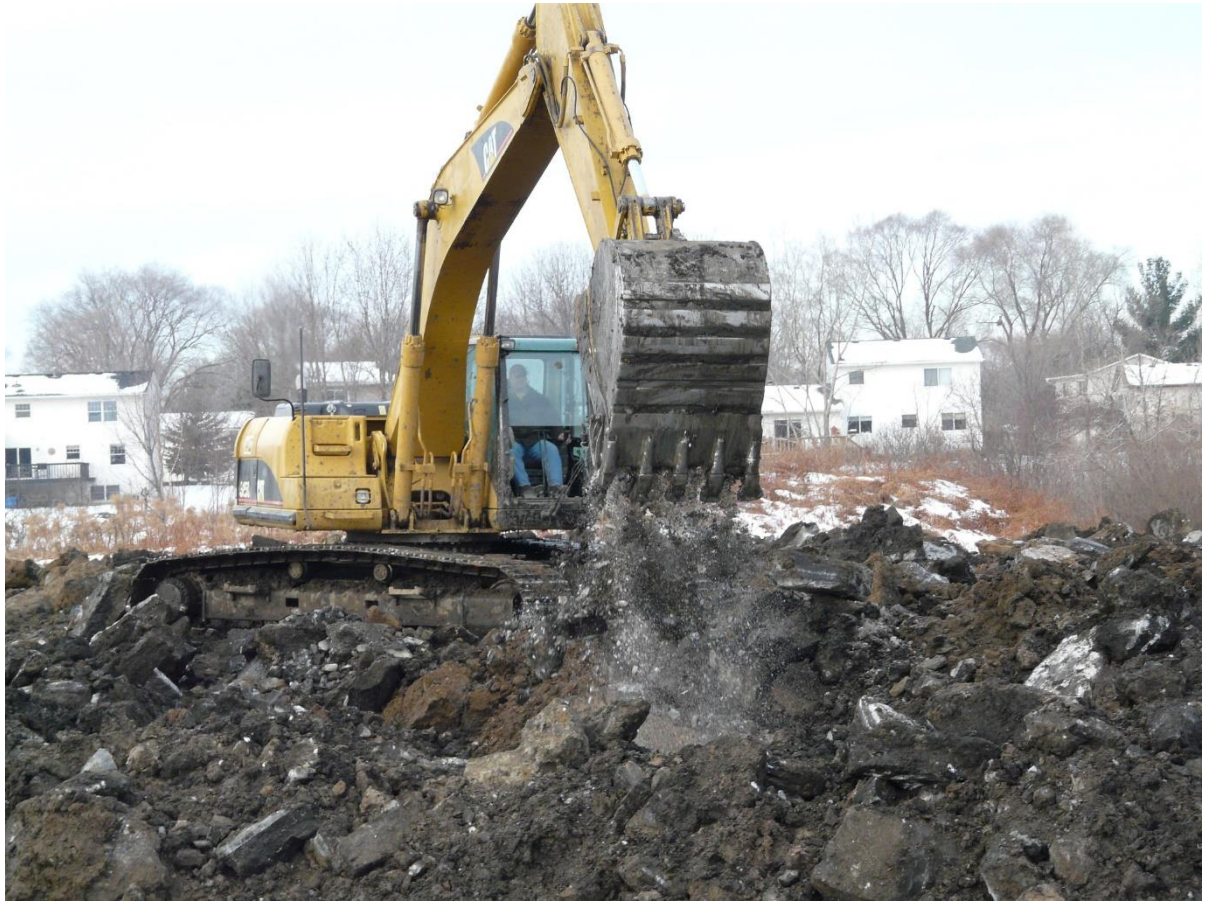
"We don't have nearly enough capacity for the storm events we are likely to see due to climate change."

$15 M - Sustainable Communities and Climate Resilience

- Establish a **pilot grant program** with a $15 million bonding appropriation
- Grants would go to Minnesota communities to build sustainable and resilient infrastructure to help manage climate impacts
- **Eligible projects could include**: public infrastructure retrofits or replacements, green stormwater infrastructure, and resilient energy projects
- This pilot could fund 5 to 10 pilot projects, with local match

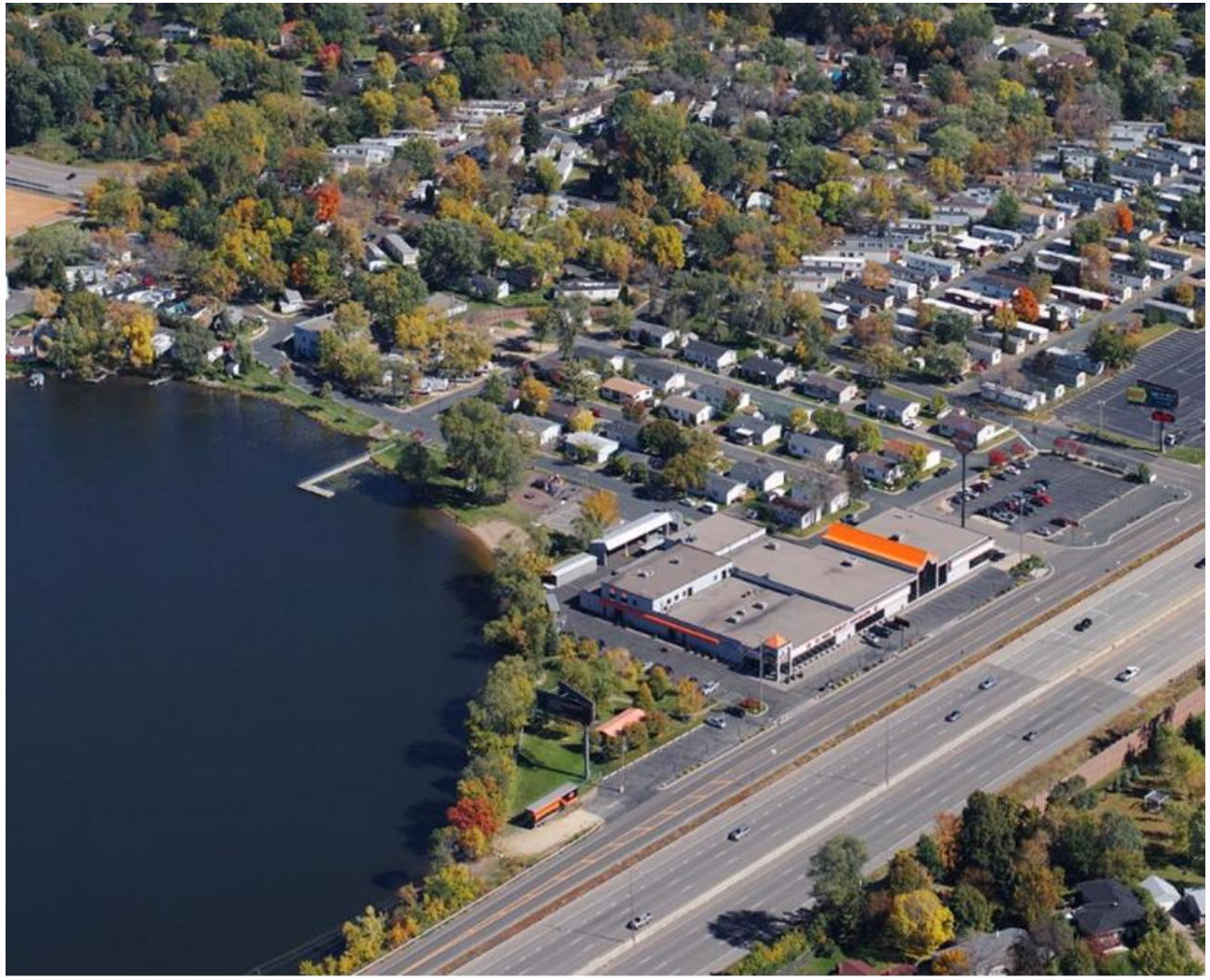
$2 M – Remove PAH-contaminated stormwater pond sediment

- Some municipal stormwater ponds are contaminated with polycyclic aromatic hydrocarbons (PAHs), a chemical that can be **carcinogenic**
- PAH-laden pond sediment needs **costly disposal in specially lined landfills**
- Sediment must be removed for ponds to function properly
- 20,000 public stormwater ponds in MN
- Rough estimate: Up to 30% are contaminated with PAHs



Removing sediment from a stormwater pond in White Bear Lake.

$2 M – Remove PAH-contaminated stormwater pond sediment



- Provide $2 million appropriation to help communities across Minnesota remove PAH-contaminated sediment from stormwater ponds
- These funds would supplement local investments

Questions?

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