Sustainable and Resilient Remediation

Guidance

Minnesota Pollution Control Agency (MPCA) guidelines for GSR, with focus on petroleum remediation. Step by step guidance on a voluntary basis: Step 1. GSR Planning; Step 2. Perform GSR Evaluation; Step 3. Report GSR Results

https://www.pca.state.mn.us/waste/cleanup-guidance

https://www.pca.state.mn.us/sites/default/files/c-prp1-10.pdf

Website

MPCA internet-based toolkit to select site remedies that are sustainable and prevent pollution.

https://www.pca.state.mn.us/quick-links/toolkit-greener-practices-learn-more-about-initiative

Climate

Report

This plan identifies Minnesota's major hazards, assesses the vulnerability of said hazards, and outlines steps to reduce vulnerabilities using resources at Minnesota's agencies.

https://dps.mn.gov/divisions/hsem/hazard-mitigation/Pages/default.aspx

https://dps.mn.gov/divisions/hsem/hazard-mitigation/Documents/2019-mn-hmp-only.pdf

This study includes 23 City and Tribe reports across Minnesota identifying climate-vulnerable populations, and a Framework report summarizing climate adaptation strategies that reduce risk to vulnerable populations and increase community resilience.

https://www.pca.state.mn.us/air/climate-vulnerable-populations-and-strategies-reduce-risk

https://palebluedot.llc/mpca-vulnerable-population-assessments

https://static1.squarespace.com/static/53fbb928e4b0eafa4734317f/t/5b3514e8352f539721729033/1530205417980/paleBLUEdot+Menu+of+Adaptation+Strategies.pdf

This report details work by Minnesota's Interagency Climate Adaptation Team–how climate change will impact Minnesotans, what state agencies are doing to adapt or be resilient to future impacts, and how climate adaptation indicators have changed since the 2013 MN ICAT report.

https://www.pca.state.mn.us/air/interagency-climate-adaptation-team

https://www.pca.state.mn.us/sites/default/files/p-gen4-07c.pdf

This report explores steps that Minnesota state agencies and the Minnesota Legislature can take to enable more resilience at the local level, as well as some steps municipalities may already have authority to implement

https://www.pca.state.mn.us/air/mpca-work-adaptation

https://www.pca.state.mn.us/sites/default/files/tdr-fg15-01.pdf

Website

This Tableau dashboard summarizes Minnesota's climate trends, adaptation strategies, and results of a 2019 survey compared to a baseline survey in 2016.

https://www.pca.state.mn.us/air/climate-adaptation-planning-data-dashboard

https://www.pca.state.mn.us/sites/default/files/p-gen4-15.pdf

In 2010 Minnesota's Strategic Adaptation Plan identified public health threats from climate change, so EPA collected details on and links to related resources, including The Minnesota Climate and Health Strategic Plan, Minnesota Climate Change Vulnerability Assessment, and tools like the Extreme Heat Tookit and Climate Change 101 Training.

https://www.epa.gov/arc-x/minnesota-assesses-climate-risk-public-health

This stormwater wiki details stormwater infrastructure that help communities stay resilient to climate changes. It also details how various vegetated stormwater practices capture and store atmospheric carbon dioxide (i.e., sequester carbon).

https://stormwater.pca.state.mn.us/index.php?title=Climate_benefits_of_Green_Stormwater_Infrastructure

This website provides information about how communities can be resilient to three main climate changes expected in Minnesota: it will get warmer, be wetter, and have more extreme weather events.

https://www.pca.state.mn.us/air/climate-resilient-communities

Wildfire

Website

Webpage on wildfire prevention with links to other DNR fire resources.

https://www.dnr.state.mn.us/forestry/fire/index.html