

Iowa Landfill Material Analysis: Iowa Department of Natural Resources Issues 2024 Report



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The Iowa Department of Natural Resources (“IDNR”) has issued a June 2024 Report titled:

2022 Iowa Landfill Material Analysis (“Report”).

The Report was prepared by SCS Engineers.

IDNR has undertaken an initiative to measure aspects of material management throughout the State of Iowa. The stated purpose is to inform solid waste and resource management programs.

Measurements in the Report include material characterization studies and an analysis addressing:

- Recoverability.
- Carbon dioxide emissions.
- Job creation potential.
- Revenue potential.

SCS Engineers are stated to have performed a 2022 landfill material analysis using the results of the 2022 Iowa Statewide Material Characterization Study. This study analyzed information for landfilled materials that could have been recovered for recycling, reuse, composting, and manufacturing:

- Recoverability - The categorization of material components into compostable, recyclable, potentially recoverable, and non-marketable terms. This determines the number of materials that may be diverted from landfill disposal.
- WARM analysis - An analysis of recyclable and compostable materials emissions reduction for carbon dioxide if diverted from landfill disposal using the United States Environmental Protection Agency’s (EPA) WARM calculator model.
- Job Analysis - The determination of estimated job creation based on diversion of various recyclable materials.
- Economic impact - An evaluation of potential revenue if 100 percent of recyclable materials were captured and sold by commodity.

A copy of the Report can be downloaded [here](#).