

Champaign County
American Rescue Plan Act Funds

Request: Household Hazardous Waste Collection Facility

- Interim Final Rule 31 CFR 35.6(e)(1)
 - Clean Water State Revolving Fund (CWSRF) eligible project
 - HHW, improperly handled, stored, or disposed of, is a type of nonpoint source pollution
 - HHW collection facility to address nonpoint source pollution

Only **capital costs** are eligible, under the CWSRF loan program.

- The Interim Final Rule provides governments with wide latitude to identify investments in water and sewer infrastructure that are of high priority for their own communities.
- The types of projects eligible for CWSRF assistance include projects to construct, improve, and repair wastewater treatment plants, control non-point sources of pollution, improve resilience of infrastructure to severe weather events, create green infrastructure, and protect waterbodies from pollution.

- Year 2022 \$472,110
- Year 2024 \$2,583,670

Request for Champaign County ARPA Fund Support: \$3,055,780

This request for Champaign County ARPA funds is for capital costs for a HHW Collection Facility to be developed at a central Champaign County location. This is a two-part request:

- In 2022, the amount of \$472,110 to complete planning, design, permitting, and land acquisition for the facility.
- In 2024, the amount of \$2,583,670 to complete facility construction, targeted to commence in in 2024 and be completed within that year.



Project Cost Estimate of a 5,000 Sq. Ft. Optimal Facility in Champaign County

Design Fees

Civil Engineering - OCE	\$43,383
Soils Report - TBD	\$6,000
Architectural/Design Fees -FFF	\$180,220
Special Design Considerations	\$35,000
Owner's Project Manager	\$120,000
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\$384,603

Permits & Planning Fees

Building Permits	\$23,450
Sewer/Storm Water Connections	\$8,500
Utility Company Fees	\$10,000
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\$41,950

Insurance, Legal & Finance

Insurance - Builder's Risk	\$10,553
Legal Fees	\$5,000
Land & Site Development	\$30,000
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\$45,553

Part 1 ARPA Fund Request
Year 2022

\$472,110

Special Inspections & Testing

Material Testing & 3rd Party Inspectors	\$8,794
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\$8,794

Systems Installations & FFE

Telecommunications	\$7,500
Security Systems	\$25,000
Window Coverings	\$2,500
Signage & Display	\$8,500
Site Furnishings	\$5,000
Furnishings	\$3,500
Equipment	\$2,000
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\$54,000

Construction Costs

Project Construction Costs	\$2,345,000
Contingencies 7.5%	\$175,875
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\$2,520,875

Part 2 ARPA Fund Request
Year 2024

\$2,583,670

\$3,055,780

Excerpt:
Household Hazardous Waste Collection Fixed Facility Serving Champaign County and Nearby Counties
September 2021 Final, Feasibility Study
Special Waste Associates, www.SpecialWasteAssoc.com

Upfront Capital Costs **\$3,055,780**

Annual Costs to Operate

• **Collect HHW** **\$120,000** **Local government cost-share IA**

- The annual costs to operate a HHW Collection Facility in Champaign County are estimated at \$120,000. This operating cost allows for a HHW Collection Facility to be opened biweekly, part-time (approx. 10-15 hours each month), year-round.
- The strategy will be to seek to share operating cost among local governments (county, municipalities, and townships) via an intergovernmental agreement (IA).
- This fall, meetings are planned with all local government officials to lay the groundwork for a cost-share agreement to meet the annual operating cost. The IA commitment is critical to the critical to the HHW Collection Facility project, and will replace of the staff hours and funds currently provided by local governments to hold the annual one-day IEPA sponsored collection events.

• **Transport & Process HHW** **\$275,000** **Illinois EPA Agreement**

- The good news is that the Illinois EPA will enter an Agreement with Champaign County to cover annual costs to transport and process the HHW that is collected at the HHW Collection Facility—an amount estimated to be \$275,000 annually.

Why we need a HHW Collection Facility

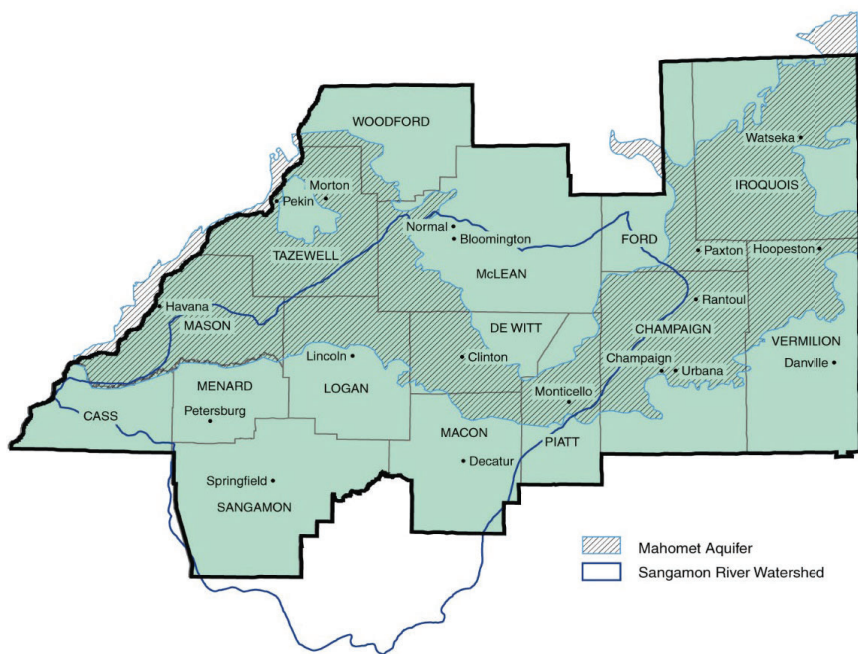
HHW from households are toxic, reactive, flammable, or corrosive materials.

A safe and effective HHW collection program can decrease the risks of:

- Groundwater and surface water contamination from HHW dumping
- Accidental poisonings, or other medical problems from hazardous chemical exposure in the home
- HHW-initiated or accelerated house fires
- Firefighters' exposure to hazardous chemicals and highly toxic smoke while responding to house fires
- Solid waste workers exposure to improperly disposed chemicals
- Damage to solid waste infrastructure (including trucks, recycling facilities, landfill liners, etc.)
- Wastewater treatment plant upsets
- Upset and damage to residential septic systems

Why we need a HHW Collection Facility

- Mahomet Aquifer Task Force Report -- HHW is **contamination threat**

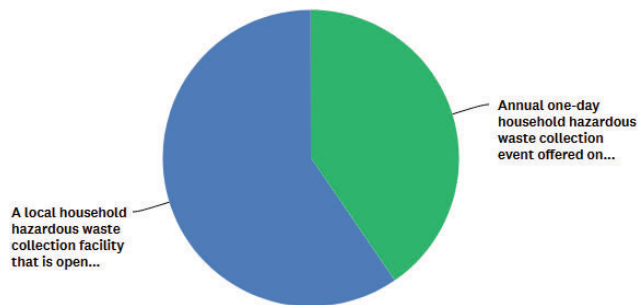


- The Mahomet Aquifer Task Force 2018 Report identified inadequate or improper HHW management as a contamination threat – one of six contamination threats to the Mahomet Aquifer.
- Any hazardous chemical constituents, including HHW, placed or dumped on the ground in the recharge area, can potentially contaminate the aquifer.
- Improving the management and collection of HHW collection in the region is an investment in maintaining the quality of the Mahomet Aquifer.

Why we need a HHW Collection Facility

- HHW Collection option needs to be convenient and consistent.

CCES HHW Collection Survey



ANSWER CHOICES	RESPONSES
Annual one-day household hazardous waste collection event offered on the same Saturday each spring.	40.42% 213
A local household hazardous waste collection facility that is open year-round on a part-time basis.	59.58% 314
TOTAL	527

- Unless a HHW collection option is both convenient and accessible... that collection option will not be effectively utilized by residents. This maxim is well-known among collection professionals and backed up by a number of studies.

- Having a HHW Collection facility will increase the convenience of collection options available to residents from once/year to at least 24 times/year (twice monthly).

- 60% of the 527 respondents to the online HHW collection survey, currently open at the CCES website, indicated that they prefer a HHW collection facility that is open part-time year-round.

Upfront Capital Costs \$3,055,780

Annual Costs to Operate

- Collect HHW \$120,000 Local government cost-share IA
- Transport & Process HHW \$275,000 Illinois EPA Agreement

It is extremely rare to come across potential state grants that allow capital costs for a HHW collection facility as an eligible expense.

The potential availability of Champaign County ARPA funds to cover capital costs for a HHW collection facility is a unique, once-in-a-lifetime type of opportunity. This request is that Champaign County please provide ARPA funds for this purpose, and, in doing so, achieve a leadership role in making the HHW Collection Facility a reality to serve all Champaign County residents.

Questions?

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