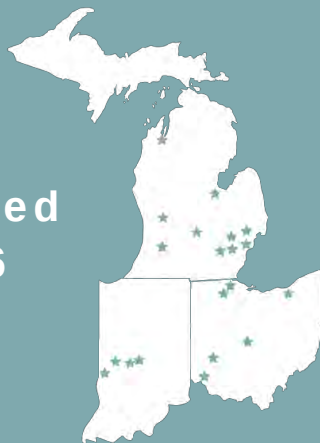


Environmental Reporting – So Many Requirements and So Many Acronyms

Liz Marsh, PE, CHMM

fishbeck FACTS

Established
in 1956



18

LOCATIONS

ALL IN ONE

SERVICES



ARCHITECTURE/
ENGINEERING



INFRASTRUCTURE



ENVIRONMENTAL



CONSTRUCTION

700+

PROFESSIONALS



EMPLOYEE
OWNED

375+

SHAREHOLDERS

TOP 500

DESIGN FIRM
IN THE NATION

Office Locations

MICHIGAN

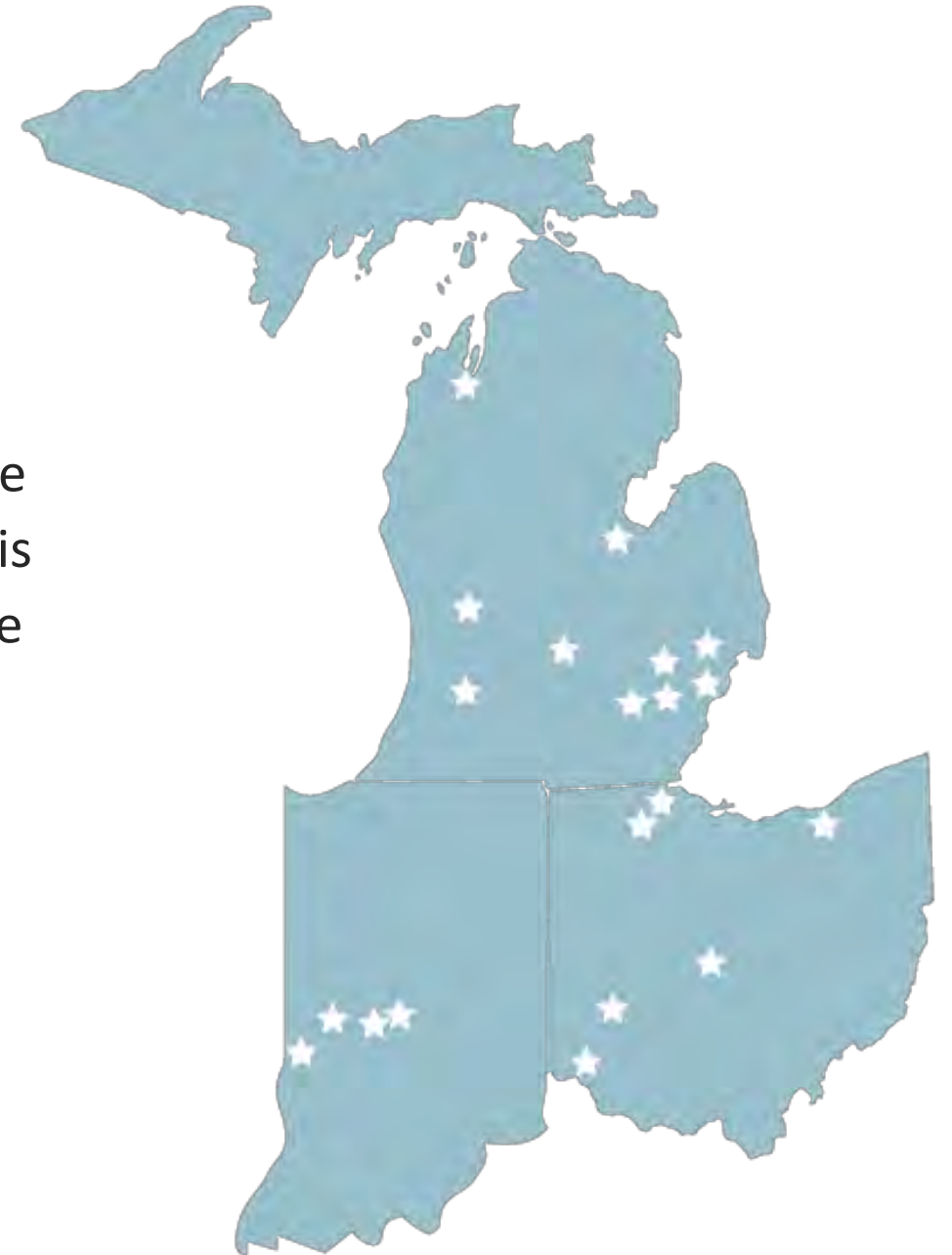
Grand Rapids
Ann Arbor
Canton
Detroit
Farmington Hills
Kalamazoo
Lansing
Macomb
Saginaw
Traverse City

OHIO

Cincinnati
Cleveland
Columbus
Dayton
Toledo

INDIANA

Greencastle
Indianapolis
Terre Haute



JEOPARDY!

PLEASE CLICK TO START THE GAME!



\$ 200	\$ 200	\$ 200	\$ 200	\$ 200	\$ 200
--------	--------	--------	--------	--------	--------

\$ 400	\$ 400	\$ 400	\$ 400	\$ 400	\$ 400
--------	--------	--------	--------	--------	--------

\$ 600	\$ 600	\$ 600	\$ 600	\$ 600	\$ 600
--------	--------	--------	--------	--------	--------

\$ 800	\$ 800	\$ 800	\$ 800	\$ 800	\$ 800
--------	--------	--------	--------	--------	--------

\$ 1000	\$ 1000	\$ 1000	\$ 1000	\$ 1000	\$ 1000
---------	---------	---------	---------	---------	---------

This 1972 federal law
established the basic
framework for protecting
our water.

[Click here for the answer](#)



Solution:

What is the Clean
Water Act (CWA)?

\$ 200



This 1976 federal law gives
USEPA the authority to
control hazardous waste
from cradle to grave.

[Click here for the answer](#)



Solution:

What is the Resource
Conservation and
Recovery Act (RCRA) ?

\$ 400



This 1963 comprehensive federal law regulates air emissions from stationary and mobile sources.

[Click here for the answer](#)



Solution:

What is the Clean Air
Act (CAA)?

\$ 600



This 1986 federal law
helps communities plan
for chemical emergencies.

[Click here for the answer](#)

Solution:

What is the Emergency
Planning and Community
Right-to-Know Act
(EPCRA)?

\$ 800

This Michigan Act protects
the environment and
natural resources of the
state.

[Click here for the answer](#)



What is the Natural Resources and
Environmental Protection Act
(NREPA) (Act 451)?

\$ 1000

This identifies the quantities of substances that if released requires notification.

[Click here for the answer](#)

Solution:

What is a reportable quantity
(RQ)?



\$ 200



This federal spill plan helps facilities and farms prevent a discharge of oil to navigable waters and adjoining shorelines.

[Click here for the answer](#)

Solution:

What is a Spill Prevention,
Control, and Countermeasure
Plan (SPCC) ?

\$ 400



This federal spill plan is either a super-sized SPCC Plan or a US Coast Guard (USCG) requirement or a new CWA version for hazardous substances.

[Click here for the answer](#)



Solution:

What is a Facility Response Plan
(FRP)?

\$ 600



Spill plan to protect storm water.

[Click here for the answer](#)

Solution:

What is a Storm Water
Pollution Prevention
Plan (SWPPP)?

\$ 800



This federal agent coordinates all federal efforts with, and provides support and information to, local, state and regional response communities.

[Click here for the answer](#)



Solution:

Who is an On-Scene Coordinator
(OSC)?

\$ 1000

This report is due annually on March 1st and provides specific information on potential chemical hazards to state, tribal, and local officials.

[Click here for the answer](#)

Solution:

What is a Tier II report?



\$ 200



Large quantity generators
(LQGs) of hazardous waste
must submit these reports by
March 1st every other year.

[Click here for the answer](#)

\$

Solution:

\$

What is a biennial hazardous
waste report?

\$

\$ 400

\$

This report is due annually on July 1st and is a resource for learning about toxic chemical releases and pollution prevention activities reported by industrial and federal facilities.

[Click here for the answer](#)

Solution:

What is a Toxics Release Inventory
(TRI) Report?

\$ 600



This annual Michigan air report
is now submitted in the
MiEnviro portal and is due on
March 15th.

[Click here for the answer](#)

\$

Solution:

\$

What is an Air Emissions
Report (previously known as
MAERS)?

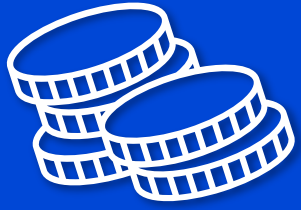
\$

\$ 800

\$

This federal air report is due annually on March 31st and can be used to develop common-sense climate policies.

[Click here for the answer](#)



Solution:

What is a Greenhouse Gas
(GHG) report?

\$ 1000

This type of hazardous waste facility is required to be permitted.

[Click here for the answer](#)



Solution:

What is a treatment,
storage and disposal
facility (TSDF)?

\$ 200



This type of permit aims to protect water resources by addressing point source water pollution.

[Click here for the answer](#)

Solution:

What is a National Pollutant
Discharge Elimination System
(NPDES) permit?



\$ 400



This type of Michigan permit is required to install, construct, reconstruct, relocate or modify any process or process equipment, including control equipment, which may emit an air contaminant.

[Click here for the answer](#)



Solution:

What is a Permit to
Install (PTI)?

\$ 600



In Michigan, these permits
are issued to meet Title V
of the federal Clean Air Act
(CAA) amendments.

[Click here for the answer](#)



Solution:

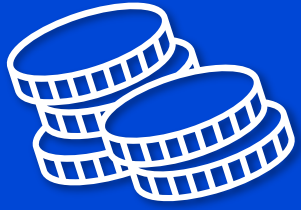
What is a Renewable
Operating Permit
(ROP)?

\$ 800



In Michigan, this type of permit application covers permit requirements derived from state and federal rules and regulations for construction activities where the land meets the water.

[Click here for the answer](#)



Solution:

What is a Joint Permit
Application (JPA)?

\$ 1000

This group of chemicals have a
high vapor pressure and low
water solubility.

[Click here for the answer](#)

\$

\$

Solution:

What are Volatile Organic
Compounds (VOCs)?

\$ 200

\$

\$

This list was first compiled by USEPA, and subsequently incorporated into EPCRA, to identify chemicals that could cause serious irreversible health effects from accidental releases.

[Click here for the answer](#)

Solution:

What is an Extremely
Hazardous Substance (EHS)
[which is also Environmental,
Health & Safety]?



\$ 400



USDOT defines these as a substance or material that has been determined is capable of posing an unreasonable risk to health, safety, and property when transported in commerce.



Solution:

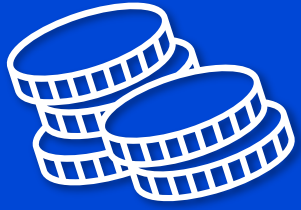
What are hazardous materials (HAZMAT)?

\$ 600



These substances are a large, complex group of synthetic chemicals that are ingredients in various everyday products used to keep food from sticking to packaging or cookware, make clothes and carpets resistant to stains, and create firefighting foam that is more effective.

[Click here for the answer](#)



Solution:

What are per- and
polyfluoroalkyl substances
(PFAS)?

\$ 800

This group of chemicals are highly carcinogenic with production banned in the US by the Toxic Substances Control Act (TSCA) in 1976.

[Click here for the answer](#)



Solution:

What are polychlorinated biphenyls
(PCBs)?

\$ 1000

Michigan's version of a
reportable quantity.

[Click here for the answer](#)

Solution:

What is a Threshold Reporting
Quantity (TRQ)?

\$ 200



Their mission is to protect Michigan's environment and public health by managing air, water, land, and energy resources.

[Click here for the answer](#)

\$

\$

Solution:

Who is Environment, Great Lakes,
and Energy (EGLE)?

\$

\$ 400

\$

Michigan's version of an SPCC Plan which also includes salt and polluting materials.

[Click here for the answer](#)



Solution:

What is a Pollution Incident
Prevention Plan (PIPP) ?

\$ 600

This Michigan-specific term includes unwanted liquids or sludges that meet certain conditions.

[Click here for the answer](#)



Solution:

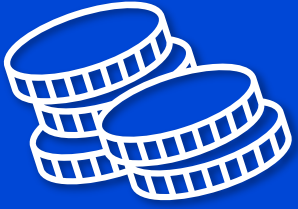
What is a Liquid Industrial By-Product
(LIB)?

\$ 800



If you exceed this amount, you are required to prepare and implement a Pollution Incident Prevention Plan (PIPP).

[Click here for the answer](#)



Solution:

What is a threshold management quantity (TMQ)?

\$ 1000

Thank you!
