

# What is BMP Reporting... and Why do we need it?



HOOSIER AQUATIC MANAGEMENT INC.

## What is a BMP?

Best management practices (BMPs) for stormwater management are techniques and measures used to control and minimize the negative impacts of stormwater runoff. These practices are designed to **reduce pollution, protect water quality**, and manage the quantity and velocity of stormwater runoff. Some common BMPs include the installation of:

- Rain Gardens
- Retention Ponds
- Vegetated Plant Buffers
- Vegetated Swales
- Rip Rap Buffers
- Sediment Catch Basins

These practices help to capture and treat stormwater runoff before it reaches nearby streams, rivers, and lakes. Implementing BMPs can help **prevent erosion, reduce the risk of flooding, and protect the health of aquatic ecosystems**.

## Examples:



Stormwater Inlet



Rip Rap Buffer



Sediment Catch Basin



Vegetated Pond Buffer

# A Report Designed To Help You Make Board Decisions



**HOOSIER AQUATIC MANAGEMENT INC.**

What is my legal responsibility?... And why do we monitor them?

You are legally responsible for any stormwater infrastructure within your HOA. Our reporting system is used to ensure all stormwater infrastructure within an HOA is accounted for and monitored. **Our main goal** is to help homeowners make educated decisions on their BMPs so they can budget accordingly and avoid fees.



**Reporting on BMPs is mandatory** to ensure they do not need any maintenance. When maintenance is needed, it is imperative to fix the issue so the BMP does not become compromised.



When the HOA was developed, the developer signed a document to the city claiming all legal responsibility for the stormwater infrastructure on the property. **If a BMP is inspected by the city and not in compliance, it is the homeowner's duty to fix it.** Please see the picture below for reference on generic O&M.

We provide you with one easy report so you can make educated decisions at board meetings!

## Cost Responsibility

As a condition of the Avon, Indiana Stormwater Ordinance, it must be stated that all costs incurred during the maintenance of any of the following described Best Management Practices, BMPs, shall be incurred by the owner listed above. If at the time of this submittal no owner is listed, one shall be provided once construction of the BMP is completed. In the event that ownership changes, responsibility for maintaining the BMPs shall change accordingly. It is the responsibility of the preceding owner to pass the information contained within this document to the new owner.

# Save Headaches and Expensive Fees Through BMP Reporting



**HOOSIER AQUATIC MANAGEMENT INC.**

**A Specialized Report Designed To Help You Make Board Decisions**

At Hoosier Aquatic Management Inc. our goal is to help and inform you on your stormwater infrastructure. Our reports make it easy for homeowners to make decisions on stormwater BMPs. We provide you with aquatic expert knowledge that keeps you in compliance, while also adding to the **aesthetics** of your HOA.

## **OUR REPORTS AIM TO:**

Help you to make an informed and **educated** decision as a board.

Avoid potential homeowner injuries by trying to diagnose problems on their own.

Get **expert advice** on maintenance so you can budget.

Avoid **expensive city fees** and unexpected repairs.

Provide **one-on-one communication** and advice from aquatic managers for any of your questions!

# A Report Designed To Help You Make Board Decisions



**HOOSIER AQUATIC MANAGEMENT INC.**

**Why do I need someone trained in Stormwater?**

*(We are your on-call aquatic experts.)*

All BMPs are different and require various maintenance needs. We determine these maintenance needs and regulations through the stormwater plans provided when the HOA was built. Within the development plans, there is **a contract between the HOA and the city** that holds the HOA liable for any stormwater infrastructure. Some HOAs have **stricter contracts** than others, depending on when they were built and how much stormwater infrastructure there is.

From there, we **create a specialized report for your HOA** outlining each BMP item and the specific maintenance requirements necessary. We then add our expert knowledge of plants and water to help find the best maintenance solutions and recommendations for the BMP overall.

## Report Content:

1. Make sure all city **compliance** needs are met.
2. Help the homeowners understand what BMPs they are responsible for and the **necessary maintenance** they require to stay in compliance.
3. **Provide a document** to the homeowners and city that shows the HOA is doing its part to maintain its stormwater obligations.
4. Give **expert aquatic advice** to homeowners on ways to enhance the BMP and make it more aesthetically pleasing for homeowners.

# A Report Designed To Help You Make Board Decisions



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## Common Problems We Encounter

### Example 1: Willow Trees

There are willow trees growing around your inlet pipe feeding into the pond. Willows grow about 6-10 ft. a year. If **left unmonitored**, the willow tree may compromise the concrete structure and change the flow of water... causing the pond to flood. The city will require the structure to be removed and replaced on the HOA budget, which you may... or may not have planned for.



*(Willow trees in inlet pipe disturbing flow of water.)*

### Example 2: Cattails

There are cattails that begin to grow around the pond that are left untreated. The homeowners may not notice any issue, but the city distributes you a fine for invasive species causing the pond to be deemed "out of compliance". You now have **30 days to kill and remove the cattails** which becomes very expensive. If the pond had been reported on... we could have warned the homeowners and avoided city fines and expensive removals.



*(Cattails overgrowing pond. )*