

1. Procedure summary

This process describes how to safely remove and install CO2 diffuser.

Related Procedures

Lock Out Tag Out policy

Procedure impacts and concerns

Safety	Required PPE: gloves, safety glasses, long sleeve shirt, and steel toe shoes.
Quality	Clean up and dispose of used material in the proper container. Clean area where work was performed. All used material is being stored in the proper containers. All PPE is being cleaned and put away.
Cost	Depending on surface area of repair for liner, leak of the CO2 hose or repair of the diffuser.

Responsibilities and owners

Document Owner	Manage content and distribution
Process Owner	Responsible for content and process validation
Site Manager	Responsible for implementation and conformance

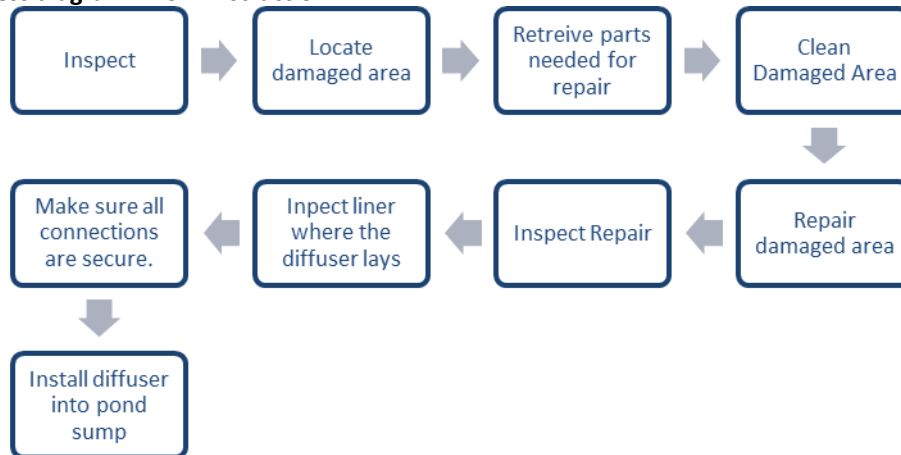
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2. Process

Process description

Process on how to remove or install a CO2 diffuser from pond safely

Process diagram: Work Instruction



Process steps

Steps to Remove and Install Diffusers

1. Check the diffuser for damages to PVC body and hose damage .

2. If possible repair the Diffuser if not use large black trailer to retrieve 2 new Diffusers.
3. Check the liner of the sump for any cuts, tears, or holes.
4. Install rebar down the center PVC diffuser run and place caps on ends.
5. Inspect all CO2 connections and hoses at riser.
6. Attach hoses to the riser and to the diffusers.
7. Place Diffusers into place at the edge of the pond.
8. Make sure all hoses, connections and fittings are tight.
9. Push diffusers into place.
10. Turn on CO2 and make sure the hoses are releasing CO2.
11. Cycle the solenoid on and off.
12. Turn off CO2 valve unplug PLC.

3. Required documents

Input documents

<Input document and storage instructions>

<Input document
number>

Output documents

<Output document and storage instructions>

<Output document
number>

4. Document control

Revision history

R0 – Initial Release – <Editor name>	<Date>
R1 – <Editor name>	<Date>

Document approval

<Name>

<Approval date>

Document reviewers

<Name>

<Name>

<Last reviewed
date><Last reviewed
date>

5. Risk analysis

<Risk name>

<Mitigation plan>

<Owner> <RPN>