

Basic Mechanics of Amalgam Separation, Proper Maintenance



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Types of Amalgam Separators Replacement Container Type

Rebec 400



Air Techniques
Acadia



ApaVia AVTMax



MedenteX amalsed



SolmeteX Hg5



Types of Amalgam Separators Replacement System Type

Metasys Eco II



Asdex AS-10



M.A.R.S. Liberty Boss



R&D Services CH 24



DRNA BU10



The Simple



Total Containment Tank

Anterior Quest
Containment Tank



Clear

**Air Techniques
Acadia**



Metasys Eco II



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Black Boxes

DRNA BU10



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Rebec 400



Anterior Quest Containment Tank



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The Simple



MedenteX amalsed



Installations



Amalgam Separators

Things to Know

A. Amalgam separators is the wrong name

B. Collection Containers is more appropriate

C. They have a limited capacity

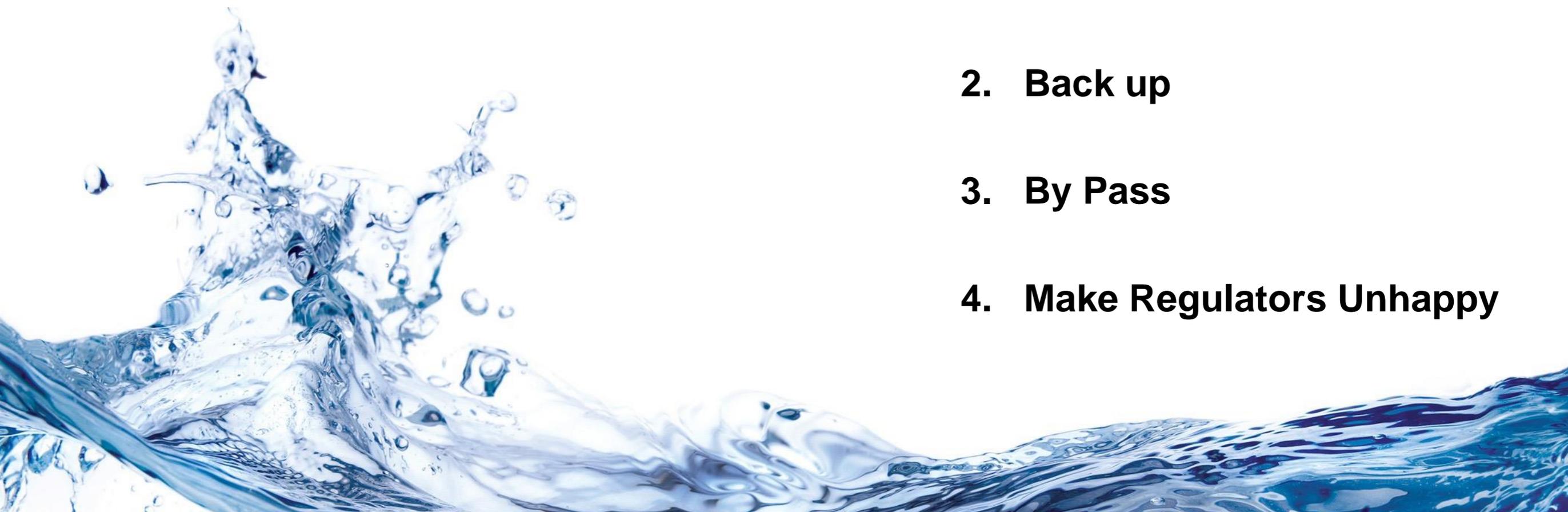
If not properly maintained Separators will

1. Clog

2. Back up

3. By Pass

4. Make Regulators Unhappy



Separator Issues

Separator Filter Fills to quickly

1. Could be the line cleaner your using. Not all line cleaners are the same
2. Look at the consistency of the material, are their bubbles - does it look slushy
3. Do you use air abrasion?

There is water in the upper chamber - Why is this an issue?

1. The system is clogged due to something blocking the whole or the filter is full
2. Is the solid level beyond the full line?
3. Water bubbling means the system is in by-pass
4. May hinder the effectiveness of your suction

Filter life if based on capacity - Do I have to change the container if it is not full?

1. The full line is the containers capacity limit. Change only if regulations required it
2. A full container will start to fill the upper chamber. Might need several container to clear

Your amalgam separator shall not be by-passing - regulatory compliance - the reason for inspecting



Inspections

- A. Keep an Inspection Log - Date - Time - What was seen**
- B. Separators need to be inspected - Recommendation - Weekly - Minimum Monthly**
- C. Keep Manufactures / Dealers contact information handy - at the separator - in the office**
- D. If applicable log required information into the computer software**
- E. If applicable, keep an extra container on hand**



What to look for in an inspection

Assuming the system is clear - If not a flashlight is useless

Bring a flashlight



What to look for

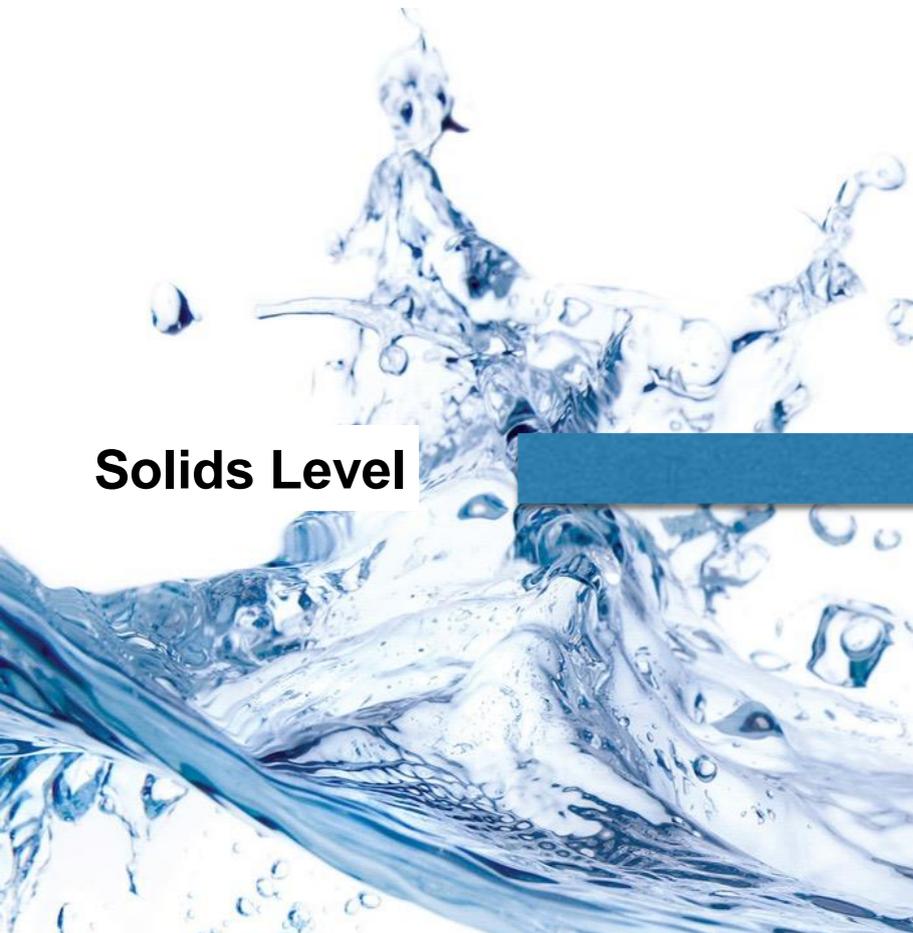
Bubbling at the top



Material above full line



Solids Level



How to “Clear a Clog”



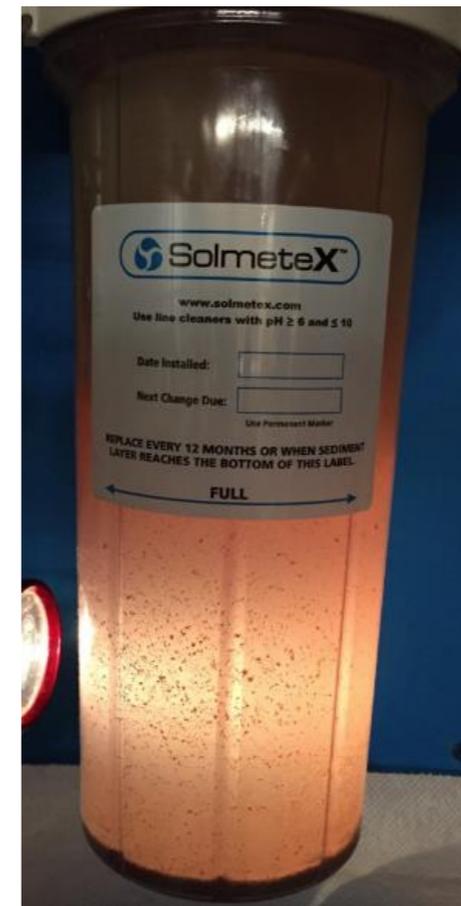
Use Proper Line Cleaner

- A. Manufacturers don't always know what's best - want to sell product
- B. Should be using a pH neutral line cleaner between 6 - 8
- C. Recommended Line Cleaner
Micro Bio-logical - BioPure or AQ Solution

Before



After



Questions?

