

# SAFL Baffle Operation & Maintenance Manual

## Operation

The SAFL Baffle is a stainless steel baffle installed in a concrete structure to capture sediment from stormwater runoff. Once installed, the SAFL Baffle requires maintenance to perform properly.

## Maintenance

1. Visual Inspection - Three times per year for first two years, once per year following
2. Sump Cleaning - Once per year, unless visual inspection indicates more frequent cleanings required

## Tools Needed

1. Vacuum truck with jet power washer
2. Measuring tape with attached flat disk
3. Rake or broom

## Visual Inspection

Visual inspection needs to take place to ensure the SAFL Baffle is functioning properly and should take place 3 times per year for the first two years.

1. Previous Inspections – When was the last time this structure was inspected?
2. Access - Is the structure accessible? If not, remove obstruction.
3. Debris - Is trash or vegetation in the structure? If so, what types of trash or vegetation are present? Is there so much debris that it is difficult to see water? If so, sump cleaning is required
4. Structural Integrity - Is the SAFL Baffle broken? Are there pieces of the baffle that have become dislodged? Do any parts of the SAFL appear weak or damaged? If so, contact Upstream Technologies at [www.upstreamtechnologies.us](http://www.upstreamtechnologies.us).
5. Check that the side rails are securely attached to the concrete structure wall. A pole may be used to perform this check from outside the structure. Secure any loose connections between the side rail and concrete wall.
6. Clogging - Is anything clogging the baffle? If so, what is causing the clogging? Attempt to remove debris stuck to the Baffle with a rake or broom.
7. Sediment Accumulation – How much sediment has been captured so far? Use a tape measure with a flat disk attached to the bottom to measure the depth of sediment accumulated. Several measurements should be taken to generate an average sediment depth. If average sediment height is within 1-ft of the bottom of the SAFL Baffle, sump cleaning is required.

## Sump Cleaning

Sump cleaning needs to take place to ensure maximum capture of sediment from stormwater and should be performed at minimum, once per year. The structure is full and needs sump cleaning when sediment is within one foot of the bottom of the SAFL Baffle. Additional cleanings may be required per year if sediment is consistently filling to one foot below the SAFL Baffle before a year has passed.

1. Vacuum water, debris, and sediment
2. Jet wash debris from Baffle
3. Jet wash any remaining debris and sediment towards vacuum hose