

## R-Tank Pre-Construction Checklist

Project Name: \_\_\_\_\_ Reviewer Name: \_\_\_\_\_

*The following points of discussion cover portions of the R-Tank installation where questions arise and mistakes are commonly made. A thorough review of the R-Tank Installation Guide should be completed FIRST, and then the following items discussed in further detail:*

- Supply & Review Installation Guide
- General Notes:** Contact ACF one week prior to installation for on-site installation support at NO COST.
- General Notes:** Discuss timing of system activation and Pre-Treatment.
- STEP #12:** Use of Safety Fence, Caution Tape, or some form of barricade surrounding the installation is required until completion of the project (not just during the installation of the R-Tank). Construction loads are typically the heaviest loads an R-Tank installation will ever experience, and many construction loads exceed the design loads of the system.
- Step #1:** Review proper assembly of unit for project: ( 4-Plate;  HD 5-Plate;  SD 5-Plate Mini)  
Review questions / concerns about man hours, assembly tools, assembly area, staging units, etc.
- Step #2:** Excavation must exceed the actual R-Tank footprint by 2' all the way around the system.
- Step #3:** Base MUST be smooth across entire excavation, even outside of R-Tank footprint. Hand raking is almost always needed to remove ruts, dips, and any other areas that are not level.
- Step #4:** Units simply butt together. If tying units together is desired, connecting the outside row should be adequate. Use zip ties or hog rings.
- Step #5:** End rows should be turned 90 degrees so that the large plate faces the perimeter of the excavation. As the units are roughly twice as long as they are wide, one parallel row can easily be converted into two perpendicular rows.
- Step #6:** If locations of Maintenance Ports are not identified on the plans, install them within 10' of all inlet/outlet pipes and roughly 50' on center. Don't forget to install anti-scour plate in the tank bottom.
- Step #7:** All pipe connections must penetrate the geotextile envelope and make direct contact with the R-Tank unit. Two hose clamps are included with each boot. One can be used inside the boot on the flaps of the "X" cut into the geotextile envelope, and the other on the neck of the boot.
- Step #8:** Side backfill must be placed evenly around the units to prevent shoving/tilting of the units. ALWAYS use vibratory compaction of the side backfill to help consolidate BOTH the tanks and the backfill materials.
- Step #9:** Always use light-weight track machinery to push backfill materials over the top of the system. Compact material with walk-behind equipment or max 6 ton roller. Failure to do this step properly accounts for 90% of all installation errors!
- Step #10:** Geogrid should extend at least 5' beyond the R-Tank footprint. If magnetic locating tape is required, this is a good place to install it.

Reviewed With: \_\_\_\_\_ Company Name: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Date: \_\_\_\_\_