

Operation and Maintenance

Residential AdvanTex Applications

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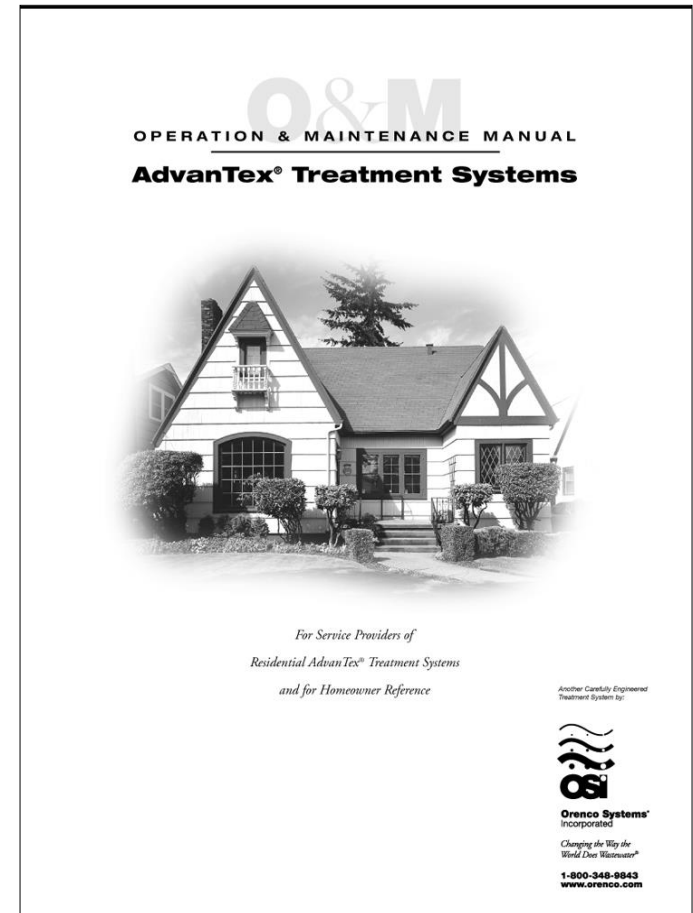
The materials presented represent our opinions, and do not reflect the opinions of NOWRA

Routine Maintenance Frequency

- Within 3 to 6 months of start-up
- At ...
 - ~ One year
 - ~ 18 months (NSF states only)
 - ~ Two years
 - ~ Three years
- Thereafter, every 12 months
 - ~ Spring/summer is the best time for annual visits

Review AdvanTex® O&M Manual

- O&M manuals available
- Taking a manual to the job site is recommended



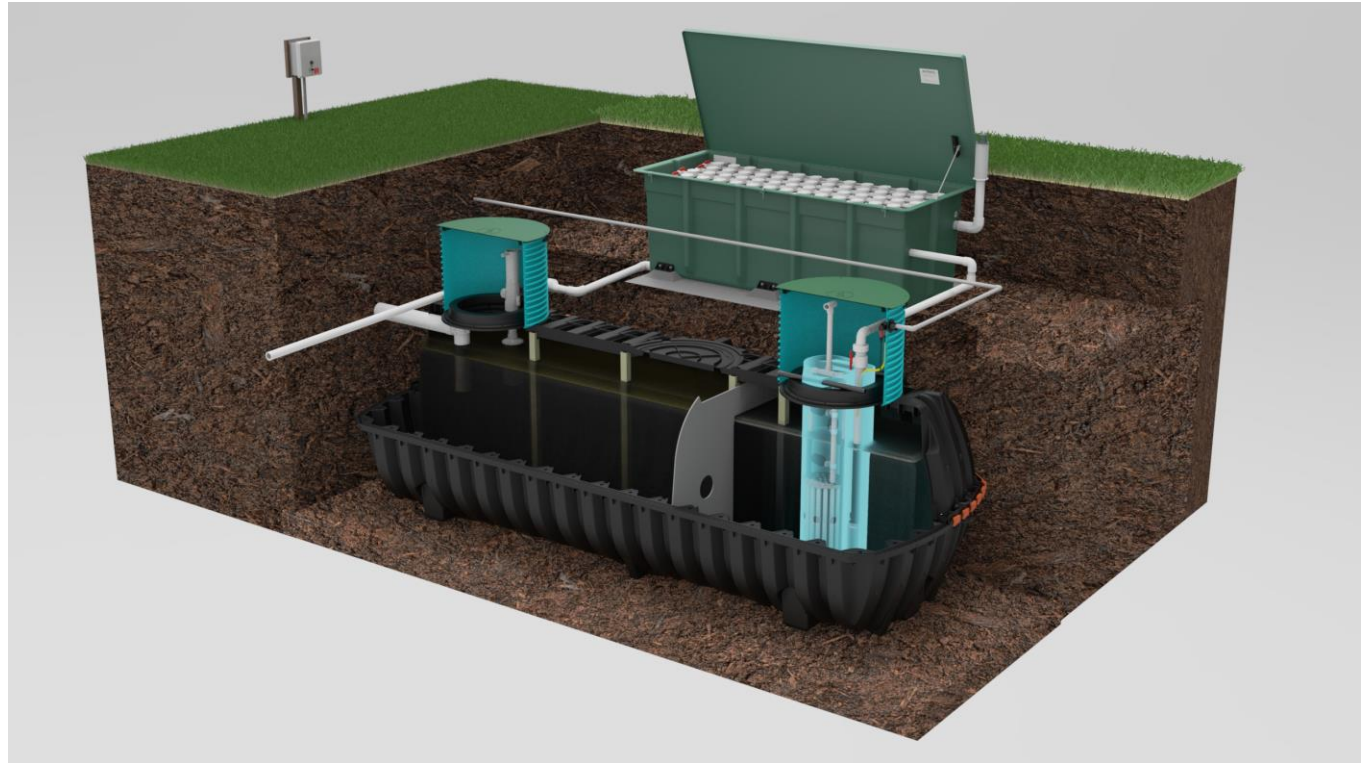
Typical Tools for Regularly Scheduled O&M

- Come to the site with appropriate equipment
- See the equipment list in the AdvanTex[®] O&M manual
- Always wear protective gloves/clothing
- Cleaning wand
- Lateral brush or bottle brush
- Sample containers if required
- Test kits as required



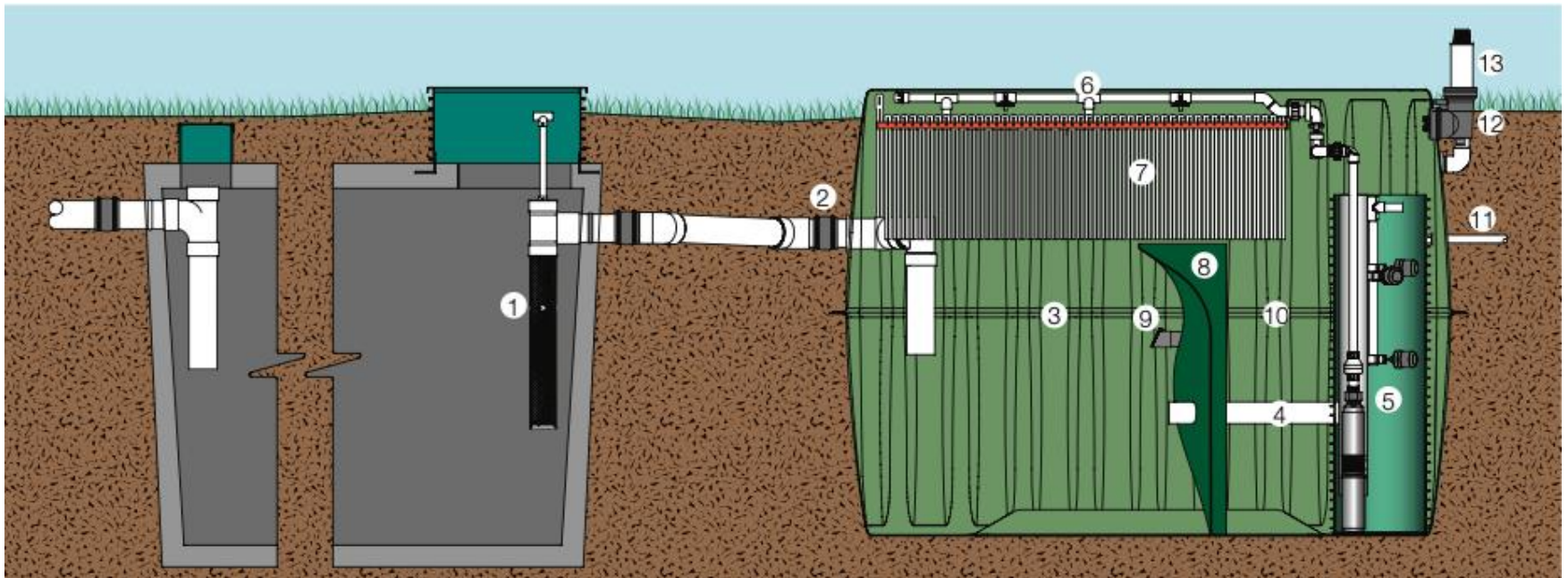
Routine AX20 Maintenance Focuses On ...

- Control panel
- Pumping system
- Processing tank
- Textile filter
- Miscellaneous



Routine AXRT Maintenance Focuses On ...

- Control panel
- Pumping system
- Processing tank
- Textile filter
- Miscellaneous



Control Panel Inspection

- Inspect control panel for any fault indications
- Inspect control panel condition
 - Ex. Latch, gasket, loose wires...
- Note event and cycle counts per local regs and or download logs



Getting Started

- Open all lids on the system
 - Color — Light to dark brown, not yellow
 - Texture — Gelatinous, not lard-like
 - Odor — Musty, not pungent
 - Moisture — Moist, not ponding*
- If sampling catch sample during natural cycle
- If not sampling run test cycle to ensure proper distribution to media
- Laterals or nozzles can be brushed and flushed after any sampling



AXRT Spin Nozzles

- Easy to clean
- Easy to remove
- Side Shields



Sampling Filtrate

- Pull RSV out of its quick disconnect holster and lay it on the riser lid
- Collect a filtrate sample from the RSV inlet
- Refer to the “Field Sampling/Observations” in the Residential AdvanTex® O&M manual



Cleaning the Biotube[®] Filter Cartridge

- Switch MOA and circuit breakers to “ off”
- Remove float assembly
- Remove and hold cartridge over inlet of tank
- Carefully spray buildup into tank
- Reinsert cartridge **completely** into pump vault
- Reattach float stem



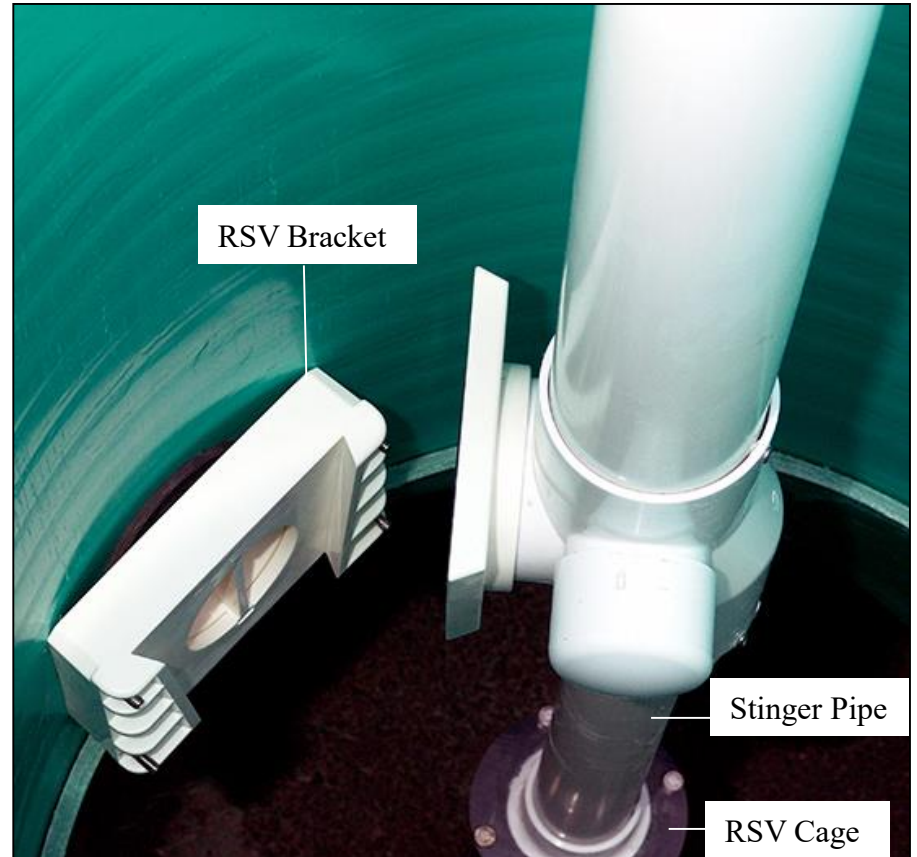
Cleaning the Pump

- Check intake screen and wash off particles taking care not to flush solids into the vault
- Report abnormal particles on the Field Maintenance Report Form (cigarette butts, hair, lint, grease, plastic wrap, gum, poly-wipes, etc.)
- Report findings to owner for education and documentation
- Reinstall pump

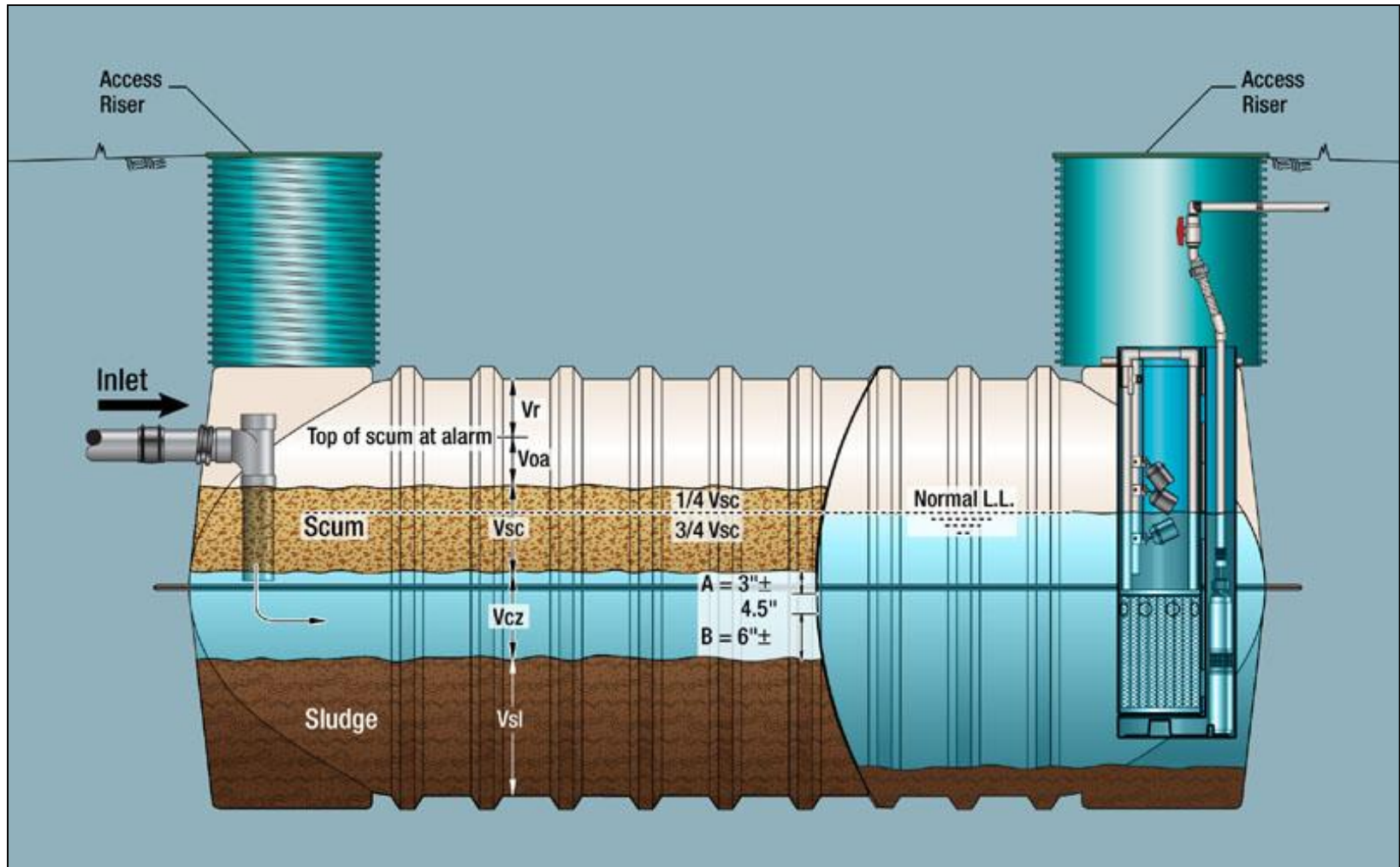


Cleaning Recirculating Splitter Valve: Residential

- Clean RSV of any debris



Measuring Sludge/Scum Thickness



Before Leaving the Site

- Make sure all lids are securely bolted
- Be sure all valves and connections are set to operational mode
- Verify that the control is in operation mode and secured
- Accurately fill out any field maintenance reports



Q & A

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