

SOP: SECONDARY CLARIFIER WEIR CLEANING

Scope: Keep algae build up on weirs to minimum as not to slough off and clog clarifier effluent pipe

Safety: PPE; gloves, safety glasses, Tyvek suit, hip waders

Procedure:

Note: 2-person task

- Put filters that are in operation into manual backwash and open sludge valves.
- Put on protective gear (PPE), suits, gloves, safety glasses
- One worker will get safely down in trough and use hose to wash build up off of weir and walls of troughs.
- One worker will handle hose to worker in trough and monitor task.
- After task complete, workers will roll hoses out of way.
- After 30-45 min. of finishing task of cleaning, filters will be turned back into Auto and sludge valves closed.

Note: Usually after cleaning clarifiers, filters that were on will be drained and hosed also.

SOP: AQUA DISK FILTER CLEANING

Scope: Covers the procedures for periodic draining and cleaning Aqua-Disk filters.

Safety: PPE: gloves and eye protection

Procedure:

- Discontinue flow to the filter by manually closing the Influent Valve.
- Turn all switches on control Panel in the OFF position.
- Open the filter Drain Valve and allow water to drain from filter. Hose tank walls as the tank drains.
- Using hose without nozzle, wash cloth disk off. **DO NOT** use high pressure water to clean cloth. This could damage cloth. With assistance from coworker, run filter drive in manual to rotate disks over, after drive is back into OFF position continue to wash cloth disk. While washing filter, try to wash solids towards drain as much as possible.
- After washing filter is completed, to remove solids from bottom of tank: close drain valve and add reuse water to tank up to the bottom of cloth disks. Turn sludge valve switch to ON position and turn sludge pump switch to ON position. After 5-10 minutes, turn sludge pump to OFF; and turn sludge valve to OFF position.
- Open drain valve and drain water and wash bottom of tank as good as possible.
- If filter is to be put back in operation, place all controls back in AUTO and open influent valve and slowly begin filling. If filter is not put back in operation fill to top of cloth disk with reuse water.