



Crawler Vac Sediment Removal

Since 2015, municipalities have been contracting our for ROV reservoir inspection services. Providing a visual record, the ROV inspection has proven useful for determining the internal condition of the tanks and a visual indicator to more accurately determine the scheduled cleaning cycle or possible need to remove foreign matter or material that could be detrimental to public health.

Among the challenges identified during these inspections and commonly faced by water utilities is the need to remove sediment and debris from the bottom of tanks. Traditional methods include: taking the reservoir offline, draining and cleaning by crew or hiring a dive company.

In 2016 we introduced our Crawler Vac service. With the Crawler Vac we are able to provide an alternate form of cleaning the tank bottom, eliminating any confined space requirements and human entry. Our service provides a safe and cost effective way to perform an otherwise labour intensive maintenance task incorporating the use of remote robotic technology.

Vacuum with the Crawler Vac ...

Our experienced Crawler pilot and equipment ... a water system operator ... and a reservoir is all that is required.

No confined space entry ... only the Crawler enters the reservoir ... remotely operated from the proximity of the hatch.

Vacuumping times may vary depending on the square footage and depth of the sediment layer.

The vacuumping process is recorded based on the clients request onto HD digital video for utility records.

Vacuumping DOES NOT require reservoirs to be off line or any service interruptions

Vacuumping is virtually unnoticed. Generally, no valves are turned off or pumps throttled down during the inspection. Crawler Vac service is carried out seamlessly and efficiently.

Remote cleaning service minimizes the possibility of water contamination

Sterilization of the Crawler and gear is carried out prior to every operation. Our Crawler is only used for potable water projects.

Internal environment observation during vacuumping

Our Crawler is equipped with depth and temp sensors, providing information on the tank environment. Realtime video feed during the vacuum process enables the onsite operator or utility staff to have a visual experience during the process.

Reservoir vacuumping with our Crawler Vac technology is a cost effective alternative without a full crew mobilization or disruption to water service.

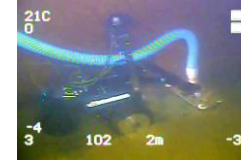
Prior to deploying the crawler, we require an ROV inspection in order to determine the extent of th project, any obstacles that are in the tank and to confirm sediments levels.

Our Crawler Vac service can be deployed on a routine or an emergency basis

Check out our Youtube channel at ... <https://www.youtube.com/user/MTSONlineCanada>

For more information and an estimate:

Aquavision Services Ltd.
7950 Glenhayes Road
Vernon BC V1B 3S3
wayne@aquavisionservices.ca
250.938.7050



Save time on maintenance and your budget with the ability to know what's beyond the hatch at a moments notice.