

January 2011

HOW DO YOU CLEAN A STORMWATER MANAGEMENT POND (SWMP) WITHOUT DRAINING THE POND FIRST?



A clean-out of the SWMP is required approximately once every 5-15 years to remove accumulated sediments to ensure the pond continues to function as intended. Drainage of the SWMP is not always required to facilitate the clean-out.

godwin pumps.
Aquatech is the exclusive distributor of Godwin Pumps in Ontario, Nunavut, Newfoundland and Eastern Labrador

HUDIG®
Absenkanlagen · Beregnungsanlagen
Technik für den Umweltschutz
Aquatech is the exclusive distributor of Hudig Pumps in Canada



By combining the pumping and excavation into one process! New pumping technology - Dragflow Pumps - specifically designed to pick up solids from stationary, mixing them into a high density slurry and pumping them all in one operation - able to pump as much as 70% solids by weight (up to 5 inch diameter solids)! This new pumping technology can be applied to tailing ponds.

DRAGFLOW
Aquatech is now the exclusive distributor of Dragflow pumps in Eastern Canada

New Sediment Removing Method:

1. Mount Dragflow Pump with agitator and cutters directly to the excavator or barge system and start pumping (agitators and cutters allow large quantities of solids to be pumped, even in the presence of very heavy sediment laden slurries)
2. Pump directly to holding/drain-off tank or Geo-tube for drying
3. Removal of tank or Geo-tube to discard and replace with another if necessary (material is less in volume and lighter due to draining/drying, therefore, much less trucking cost)

Traditional Sediment Removing Method:

1. Set-up a pumping system to pump/drain the SWMP and filter before releasing to outlet storm pipe
2. Excavate sediment and load into trucks "wet"
3. If storm event re-fills pond, drain SWMP again using filters to protect storm outlet and creeks
4. Continue to excavate and remove all sediment via trucks
5. Continue cycle of pump-off, filter, excavate and truck until pond sediment is removed

[Click Here to View Dragflow Press Release](#)

Benefits of using Dragflow pumps:

- Reduced productivity costs compared to other sediment removal techniques.
- Minimal effect of a rainfall event that would cause re-filling of the pond leading to production setbacks.
- Designed with agitators and cutters that allow large quantities of solids to be pumped, even in the presence of very heavy sediment laden slurries.
- Higher quantity of dry tons of sediment per hour than competitor models.
- All water from this system flow back into SWMP and not directly to outlet or creek thus containing any sediment in the pond.

For more information on Dragflow Pumps, [click here](#).

AQUATECH
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Please look forward to our February newsletter on the topic of Water Discharge Regulation.

Aquatech Now Also Providing Services In Nunavut and Eastern Canada

If Aquatech can be of any assistance please do not hesitate to contact one of our representatives for a project assessment and quotation.

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