

**VALMAR TANK SOLUTIONS**

Robotic pond inspection, sludge removal and reporting

**ROBOTIC WASTEWATER CLEANING**

SLUDGE BOSS

Robotic sludge removal for oxidation ponds

Remove settled sludge while limiting treatment disruption.
Reduce the need for dewatering and personnel entering the pond.

IN-SERVICE

Pond cleaning
where site
controls
permit

LIVE VIDEO

Operator
visibility and
recorded
evidence

3 IN

Rear male
camlock
discharge

CONTINUOUS

Topside-powered
operation



ROBOTIC OXIDATION POND CLEANING

REMOVE SLUDGE. KEEP TREATMENT MOVING.

Valmar Tank Solutions uses a tracked, tethered vacuum crawler to remove accumulated sludge from oxidation ponds at wastewater treatment plants. The pumped sludge stream is directed to an approved containment, dewatering or treatment point, enabling staged cleaning with less disruption than conventional dewatering and excavation.

**01**

Maintain continuity

Cleaning may be staged while the pond remains operational, subject to treatment-process controls and council approval.

02

Target the sludge

Live video and a manoeuvrable suction head support systematic removal from identified accumulation zones.

03

Reduce pond entry

Remote operation limits the need for personnel and conventional earthmoving plant to work within the pond.

PRIMARY APPLICATION

- Council wastewater oxidation ponds
- Facultative, aerated and maturation ponds
- Inlet, outlet and local sludge accumulation zones
- Secondary: mining pollution-control dams

DEPLOYMENT ENQUIRIES

Plan your next pond clean

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