SENTINEL GOOSE
MONITORING SYSTEMS

watch your operation. stay in control

DETECTION & AVOIDANCE SYSTEM

DAA | TURBIDITY-TRIGGERED DISCHARGE DIVERSION

A standalone system designed to help prevent silty water from entering public drainage.

MONITOR
Turbidity sensor

DETECT
Configured set point

DIVERT
Actuated valve

A practical approach to discharge control

WHAT IS DAA?

The Detection & Avoidance System (DAA) is a standalone system designed to help prevent silty water discharge into public drainage. It operates independently and is available in Online and Offline versions.

01 DETECT	02 RESPOND	03 DIVERT
A turbidity sensor monitors discharge against a configured set point.	When the set point is breached, the control panel activates the electric actuated valve.	Silty discharge is routed to a designated holding pit or pond.

MAIN HARDWARE

COMPONENT	FUNCTION
Electronic control panel	Receives the sensor signal and controls the valve response.
Turbidity sensor	Detects when water turbidity breaches the configured set point.
Electric actuated valve	Changes the discharge route. Valve size depends on the ECM set-up.

OPERATING LOGIC

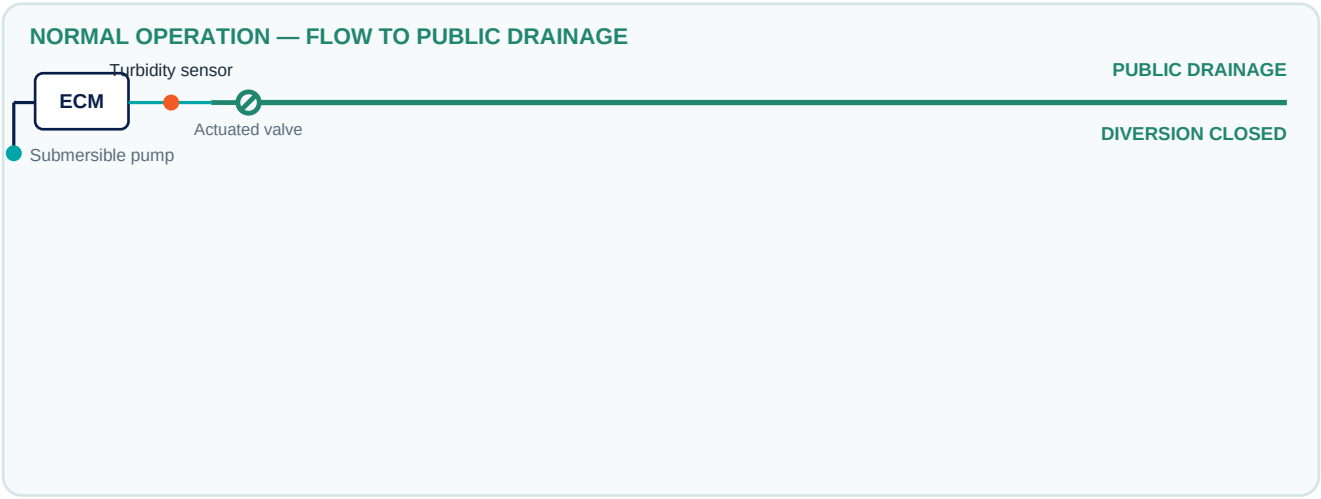
When turbidity rises above the configured set point, the valve opens to divert silty water to the designated holding area. When turbidity returns to the normal range, the valve closes and normal operation resumes.

CONFIGURATION	Online or Offline, depending on project and site requirements.

Operation & maintenance

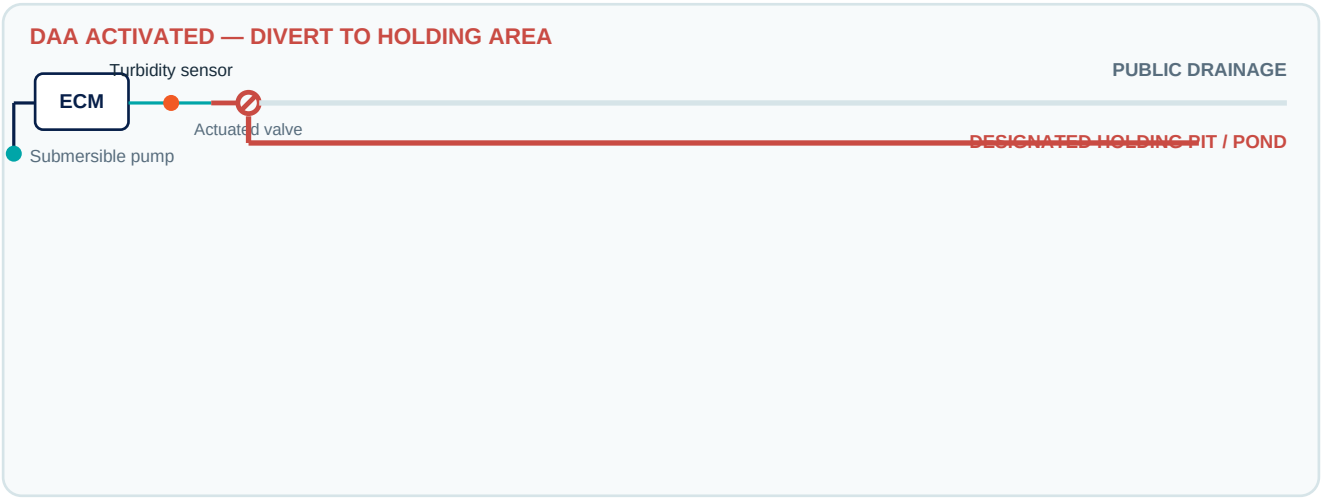
NORMAL OPERATION

The diversion valve remains closed and treated water flows to public drainage.



WHEN DAA IS ACTIVATED

When the turbidity set point is breached, the valve opens and diverts silty water to the designated holding pit or pond.



WEEKLY MAINTENANCE

TASK	ACTION
Sensor cleaning	Clean the turbidity sensor to help prevent false readings.
Valve function test	Place the sensor in silty water in a pail or small container to trigger the system and check valve operation.

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