

Hennock International Ltd

Consulting engineers to the land based industries.

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Maintenance and operation

See drawing "Layout" for overall site layout and system components.

a) Drainage system

After installation monitor gutter to drain connections, and discharge into attenuation tanks during a high rainfall event.

Annual - visual inspection of above ground pipe, checking especially for any unsound connections or damage.

Annually during a high rainfall event - visual check of operation for any issues.

Exceedance bunded areas - annual check on condition and drainage outlet, especially looking for blockage and invasion of vegetation.

b) Sumps and drain down pumps

6 monthly - check operation of float switch and pump.

Annual - Assess debris build up in base of tank, clean as required.

'Exercise' valves.

c) Tanks.

Annual -

Visual inspection of steel panels and bolts.

Visual inspection of liner, especially welded outlet connections and fold around top of tank.

Check liner tie downs (external), replace as necessary.

Assess debris build up in base of tank, clean as required.

d) Orifice plates / outlets

Monthly – remove and clean pre-OP filters.

(above frequency to be – reassessed after initial cleaning to see if it should be more or less frequent).

Annual - visual inspection of pipework and plates.

'Exercise' valves.

e) Outfalls

Annual - visual inspection of outfall, checking for accumulation of debris, erosion adjacent to abutments, intrusion of vegetation. Check operation of flap valve (Athlon flaps are maintenance free units according to their data sheet).

Attachments:-

Tank installation guide.

Athlon headstock data sheet

Athlon flap valve data sheet.

Strainer data sheet

75mm PVC valve data sheet

Note there is no orifice plate data sheet

Drain down pump data sheet