Pumping Station Emergency Discharge Key Protection Measures

OT1

Site name:	Maer Road SPST Exmouth
Permit Number and Activity Reference:	[redacted]
Version number and Date	

Pumps:

Duty pump(s) installed and maintained in working order:	Yes
Standby pump(s) installed and maintained in working order:	Yes
Automatic standby pump activation on duty pump failures other than power failure:	Yes
Automatic pump reactivation immediately when power restored after power failure:	Yes
Over pumping facility installed and maintained for use if the installed pumps are inoperative:	No
Tanker access provided and maintained at an appropriate location to enable removal of sewage by tanker when necessary:	Yes

Maintained 24 hour response telemetry alarm system to:

Notify Operator	**Provided**
Failure or breakdown of the pumping station	Yes
Overflow operating	Yes

Alarm response:

Response: Take all reasonable remedial measures to return the pumping station to normal operation:	Yes
Response time: As soon as reasonably practicable after receipt of warning of failure or breakdown of the pumping station:	Yes

Standby power provision:

Mobile generator point. Install and operate a mobile generator as soon as is reasonably practicable in the event of an electrical failure:	No
Permanent standby generator installed and maintained in good working order and activated in the event of an electrical power failure:	No
Duplicate power supply provided, and activated automatically in the event of an electrical power failure:	Yes

Emergency storage capacity Hours @ DWF*:

Storage capacity, equivalent to a total of at least x hours of the dry weather flow* (“DWF*”), shall be provided above the normal top operating level in dry weather and below the level of the overflow:	3.2 hrs@ DWF

Design dry weather flow limit:	(The DWF figure is based on an estimate of PG+I+E at the chosen design horizon):	3197m^3/day
Emergency storage capacity m^3:	Minimum storage volume provided above the normal top operating level in dry weather and below the level of the overflow:	430m^3

* For compliance purposes Dry Weather Flow shall mean the average daily flow entering the pumping station during seven consecutive days without rain (excluding a period which includes public holidays) following seven days during which the rainfall did not exceed 0.25 millimetres on any one day. The DWF figure entered should be based on an estimate of PG+I+E at the chosen design horizon.

Screening:	Screen fitted:	Yes
	Screen type:	Mesh
	Screen aperture size:	6 mm
Any other key protection measures (e.g. enhanced target response times, links and dependencies to other pumping stations such as pump inhibits and tankering at upstream pumping stations in an emergency):	When storm tank is full at Maer Lane the storm pumps at Maer Road will be inhibited	