
WATER MANAGEMENT PLAN
M5 Junction 10 Water Discharge Permit

December 2025
243213/WMP

Report for:
Galliford Try Construction Ltd
Blake House 3 Frayswater Place
Cowley
Uxbridge
Middlesex
UB8 2AD

INTRODUCTION

AA Environmental Limited (AAe) has been commissioned, on behalf of Galliford Try Construction Ltd, to complete a Water Management Plan (WMP) for the water discharge activity from the M5 Junction 10 construction project. The project will last for 5 years.

Water is pumped or gravity fed via holding ponds and water treatment to the River Chelt and/or a tributary of the Leigh Brook. The activity is rainfall dependent. Drawing 243213/DIS/D/001 shows the discharge and sampling locations.

This WMP sets out the control measures facilitating the discharge of treated surface water. The origin of the water is rainfall which lands on the construction site and is captured within holding lagoons or in excavations as part of the surface water management on site. There is a risk of the clean rainwater being entrained with silt and risk of hydrocarbon contamination from site works. Water from the construction site will pass through vegetated ditches and a filter medium that may include straw bales, silt fencing gravel traps etc. on its way to the holding lagoons. The holding lagoon will promote suspended solid deposition. The attenuated water will then be pumped at a constant approved flow rate by pump via a settlement tank and hydrophobic oil boom to the discharge point. It should be noted that not all locations will be active or inactive at the same time.

The water discharged must not show elevated suspended solids loading/turbidity or any visible/olfactory evidence of hydrocarbons. This management plan will form part of the overall Method Statement and Risk Assessment used by the Earthworks Contractor for the project. The management and controls required to suitably achieve this and minimise the risk of pollution are outlined in the sections below.

MITIGATION & CONTROL MEASURES

Galliford Try Construction Ltd will implement the following actions and controls to comply with the permit conditions:

Inspections & Monitoring

- A daily discharge checklist (Appendix A) will be completed each working day;
- Visual inspections of the waterbody and immediate surroundings will be made on a daily basis and will include checks for any unusual seepages, discolouration or sheen of soils or water;
- In the event of a non-compliance, the Operator will immediately cease pumping and undertake an investigation to identify any likely causes;
- Water monitoring and testing will be in accordance with the Surface Water Risk Assessment (McDonnell Cole, October 2025) and any other Contractual testing obligation;
- If turbidity levels are visually assessed to be high at the discharge point compared to within the treatment area, turbidity of water upstream of the discharge point will be assessed. Photographs and samples will be taken upstream and immediately downstream of the discharge point and reviewed, to determine whether the sediment load in the watercourse is from an off-site / upstream source;

Pollution Controls

- No water will ever be pumped directly into a watercourse;

- The inlet hosing for the pump will be placed in a manner so as not to disturb the base of the holding lagoons and increase the silt content in the discharge. This will minimise risk of inlet pumping up potential siltier water and sludge at the base of the lagoon;
- The maximum daily discharge rate and volume limits specified on the discharge permit will be adhered to at all times;
- The pumps will be run on a float system to minimise risk of pollution;
- Care will be taken to avoid soil erosion of river and stream banks;
- Filter media will be stored in the main compound or can be deployed within 24 hours as an extra control measure;
- During pump down time (in the drier summer months), the settlement tank will be emptied of water and silt level inspected. If more than 0.3 m, the tank will be cleaned out;
- The pipes of the pumping system will be washed out and cleaned on an annual basis. This will be undertaken in a controlled manner away from the watercourse. This will also be inspected by the daily flow rate check; and
- In the drier months, when water is not present within the holding lagoons, the base of the ponds will be inspected, and any excess silt / sludge may be removed if necessary.

Refuelling and Spill kits

- If refuelling of the pump is required, this will be undertaken with a drip tray or plant nappy in place underneath the fuel inlet;
- No fuel will be stored within 10 m of any waterbody or 50 m of any well, borehole or spring;
- Any refuelling or maintenance (e.g. wheel washing) of construction machinery is undertaken in bunded areas that are located at least 30 m from the watercourse;
- A spill kit will be kept next to the pump at all times;
- Spill kits will be inspected to ensure they are adequately stocked; and
- After refuelling / maintenance, any hazardous liquid or fuel containers will be removed back to the designated and bunded storage area.

Management

- The hazards of silt pollution will be emphasised in the Site Induction;
- Comprehensive Risk Assessments are undertaken, subsequent Risk Management Plans are implemented and Method Statements are adhered to; and
- The permit will be managed in line with a bespoke EMS which will include the following documents:
 - Water Management Plan;
 - Environmental Risk Assessment;
 - Accident Prevention and Management Plan;
 - Spill Response Plan;
 - Complaints Procedure;
 - Non-compliance Procedure; and
 - Training and Competency Review Documentation.
- In addition to this management plan, all site works will be in accordance with the Construction Environmental Management Plan (CEMP). The following permanent design assessments will also be adhered to however do not form part of this application:
 - Road Drainage and the Water Environment (Chapter 8 of the Environmental Statement, TR010063/APP/6.6),
 - Drainage Strategy Report (Appendix 2.1 of the Environmental Statement, TR010063/APP/6.15),
 - Flood Risk Assessment (Appendix 8.1 of the Environmental Statement, TR010063/APP/6.15),
 - WFD Compliance Assessment (Appendix 8.2 of the Environmental Statement, TR010063/APP/6.15),
 - WFD Surface Water Impact Assessment (Appendix 8.2A of the Environmental Statement, TR010063/APP/6.15),
 - WFD Groundwater Impact Assessment (Appendix 8.2B of the Environmental Statement, TR010063/APP/6.15), and



Galliford Try Construction Limited M5 Junction 10

- Surface Water Quality Assessment (Appendix 8.3 of the Environmental Statement, TR010063/APP/6.15).

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Galliford Try Construction Limited
M5 Junction 10

DRAWING
Discharge Plan



**Galliford Try Construction Limited
M5 Junction 10**

**APPENDIX A
Discharge Checklist**