

Southampton to London Pipeline Project

Deadline 7

Outline Surface Water and Foul Water Drainage Plan
(clean)

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1 Introduction

1.1 Introduction to the Project

- 1.1.1 Esso Petroleum Company, Limited (Esso) is making an application for development consent to replace 90km (56 miles) of an existing pipeline to transport aviation fuel between Boorley Green in Hampshire and the Esso West London Terminal storage facility in Hounslow. The replacement pipeline is 97km long taking into account that it cannot follow the line of the existing pipeline along its whole length due to new developments and environmental constraints.
- 1.1.2 Esso has already replaced 10km of pipeline between Hamble and Boorley Green in Hampshire. The replacement pipeline starts near Boorley Green at the end point of the previously replaced pipeline. The route runs generally in a northeast direction via Esso's Pumping Station in Alton. It terminates at the Esso West London Terminal storage facility. The areas of land to be permanently or temporarily used for the project are known as the Order Limits.
- 1.1.3 Works to install and commission the pipeline are expected to start from grant of Development Consent Order (DCO) and be completed by early 2023. Certain advance works may take place prior to development consent where consented under alternative regimes, for example, the Town and Country Planning Act 1990.

1.2 Purpose of the Outline Surface Water and Foul Water Drainage Plan

- 1.2.1 This Outline Surface and Foul Water Drainage Plan (SFWDP) relates only to the permanent drainage works relevant to the project. It does not apply to the temporary drainage that may be required during the construction phase of the project. The final SFWDP would be in accordance with the Outline SFWDP. The final SFWDP will be produced prior to construction and will be submitted and approved by the sewerage and/or drainage authority or, where applicable, the Environment Agency and/or the Lead Local Flood Authority in accordance with Requirement 9 in the DCO. Esso and its supply chain of contractor(s) would adopt the control measures set out in the final SFWDP(s) when undertaking the construction of the project.
- 1.2.2 The Outline SFWDP should be read alongside the Outline Water Management Plan (Appendix B of the CEMP), which contains the commitments relating to water management for the construction phase of the project.

1.3 Aims and Objectives

- 1.3.1 The overarching aim of the SFWDP is to give consideration to the permanent foul water and surface drainage for the project.
- 1.3.2 The objectives of the Outline SFWDP are to define the contents and scope of the final SFWDP(s).



- 1.3.3 It should be noted that no discharge of water under article 18 (discharge of water) of the draft DCO must be made until details of the location and rate of discharge have been submitted to and approved in writing by the relevant sewerage and/or drainage authority or, where applicable, the Environment Agency and/or the Lead Local Flood Authority.

2 Outline Surface and Foul Water Drainage Plan

2.1 Surface Water

Introduction

- 2.1.1 The Southampton to London pipeline would be installed below ground and therefore the pipeline itself would not have a permanent effect on surface water drainage.

Above Ground Installations

- 2.1.2 Along the route of the pipeline, there would be above ground installations comprising the Pipeline Inspection Gauge (Pigging) Station at Boorley Green, the 14 cross-country valve chamber compounds and the pressure transducer chamber compound.
- 2.1.3 The current design assumption is that above ground installations would have some impermeable hardstanding areas. The extent of their areas would be very small; circa 125m² at the Boorley Green Pigging Station and circa 10m² at each of the valve and pressure transducer chambers. Surface water from the hardstanding areas would be free to drain to the surrounding ground. Esso will consult in advance with the relevant sewerage and/or drainage authority or, where applicable, the Environment Agency and/or the Lead Local Flood Authority in the event of alteration to its plans for surface water drainage at these sites prior to the preparation of the Final SFWDP to be submitted for approval.
- 2.1.4 A very small amount of aviation fuel is removed from the pipe during pigging. The Pigging Station is designed to safely and securely capture such discharges during pigging operations and these would be removed by tanker for disposal. At all times surface water from the hardstanding areas would be free to drain to the surrounding ground.
- 2.1.5 The final details of the drainage of this site will be provided as part of the Final SFWDP.



2.2 Foul water drainage for new infrastructure

- 2.2.1 During the operation of the pipeline and above ground installations, the project would not generate any foul water and therefore there are no plans for permanent foul water drainage.
- 2.2.2 There is no plan for foul water drainage details to be included in the final SFWDP, as there is no such infrastructure included in the project.
- 2.2.3 If new infrastructure is introduced that requires foul water drainage then the detailed design of the foul water drainage will be included within the Final SFWDP to be submitted for approval.