

Environmental Statement

The Petrol Station shall be for domestic fuel supply to the general public for transportation and its operation will involve two primary activities including unloading of Unleaded and Diesel fuel from delivery tanker vehicles to underground storage tanks (UST) and fuel dispensing on the forecourt by customer self service. The storage and management of Hazardous Materials on site will be subject to a series of Control Measures including compliance with:

- The “Design, construction, modification, maintenance and decommissioning of filling stations” produced by the APEA and Energy Institute.
- DSEAR (Dangerous Substances & Explosive Atmospheres Regulations) 2002.
- Environment Agency PPG7: Refuelling Facilities.
- Environment Agency PPG: Oil separators in surface water drainage systems.
- ASDA Store management training procedures and operational guidelines.

Fuel Storage & distribution: There shall be provision for 75,000Ltr ULG and 75,000Ltr Diesel storage in two single compartment underground tanks. The tanks will be double skinned with the interstitial space between the inner and outer lining continuously monitored by a state of art Vedeer-Rout TLS 350 leak detection system. The tanks will be finished in polyurethane finish which is the highest specification standard carrying a 30 year warranty.

Tanks will be installed with a pea shingle surround that facilitates easy access in case of remedial works and removal at the end of it's life expectancy. Monitoring wells are provided for routine inspection as an additional measure to the leak detection system.

Tanks are fitted with “Atlas” tank chambers comprising the highest standard of robust construction and access arrangements for H&S access.

Fuel distribution shall be by 63mm Polyurethane pipework with fusion welded joints, pipework shall be set to falls 1:100 back to the tanks for gravity draining in case of pump failure or removal.

Surface water discharge/containment of the dispensing forecourt will be by drainage channels to the forecourt perimeter. The channel specification around the tanker delivery area shall a 300mm section with special grating to collect a discharge rating of 44Ltrs/sec over 2LM and has the capacity to transport 15Ltrs/sec, all in accordance with the APEA guidance. These drains are then run to a 10,000Ltr Class I interceptor which is fitted with a shut of valve activated by an Environmental sensor that is alarmed and constantly monitored by a forecourt Management System (FMS). The size of the interceptor is determined by the compartment size of a fuel tanker to ensure that in the event of a hose uncoupling or leakage it can achieve full containment.

Water outfalls from the interceptor shall discharge into the existing car park surface water drainage system in accordance with PPG 3.