

## NON-TECHNICAL SUMMARY

Enveo Aston Ltd. is applying for Waste Permit for collection and temporary storage of hazardous waste - used oils (mainly from vehicle engines) at:

### **Unit 15, Clwyd Close, Hawarden Industrial Estate, CH5 3NU**

The activities that will be done on site include loading/unloading and storage of waste oils (R 13).

The oils will be collected mostly from garages and will be transported to the site using specialized trucks.

The collected waste oils will be unloaded and stored in two fixed closed tank containers with a total capacity of 48 tonnes (24 tonnes each). The tanks will be positioned on an impermeable surface within a bunded area having a sufficient volume as required by the legislative requirements. The total annual throughput will be 3'000 tonnes per year.

The collected oils from the site will be dispatched to external refineries for further recovery operations (R 9). No treatment of the waste will be performed on site.

The activity of receiving and dispatching used oils will proceed as is shown on fig.1. At the arrival of a waste oil loaded truck, it will enter the site and stop at the loading / unloading area (6). The unloading process will be accomplished through an electrical pumps coupled to the stationary tank containers. The pump will be situated within the bunded area thus safeguarding the site against leakages. There will be a special hose attached to the pump benefiting from a protective cap. The hose will be fastened to the truck and the unloading operation will commence.

When a minimum of 24 tonnes of waste oil are collected in the stationary tank containers another tank container will be positioned on a truck with semitrailer and parked at the loading / unloading area (6).

The special hose will be coupled with the valve of the tank container and the loading operation will commence after reversing the pump flow.

Having been fully loaded this truck will be dispatched to a chosen external refinery.

Any unlikely leakage inside the bunded area will be treated with adsorbents which will later be handed over to a licensed collector.

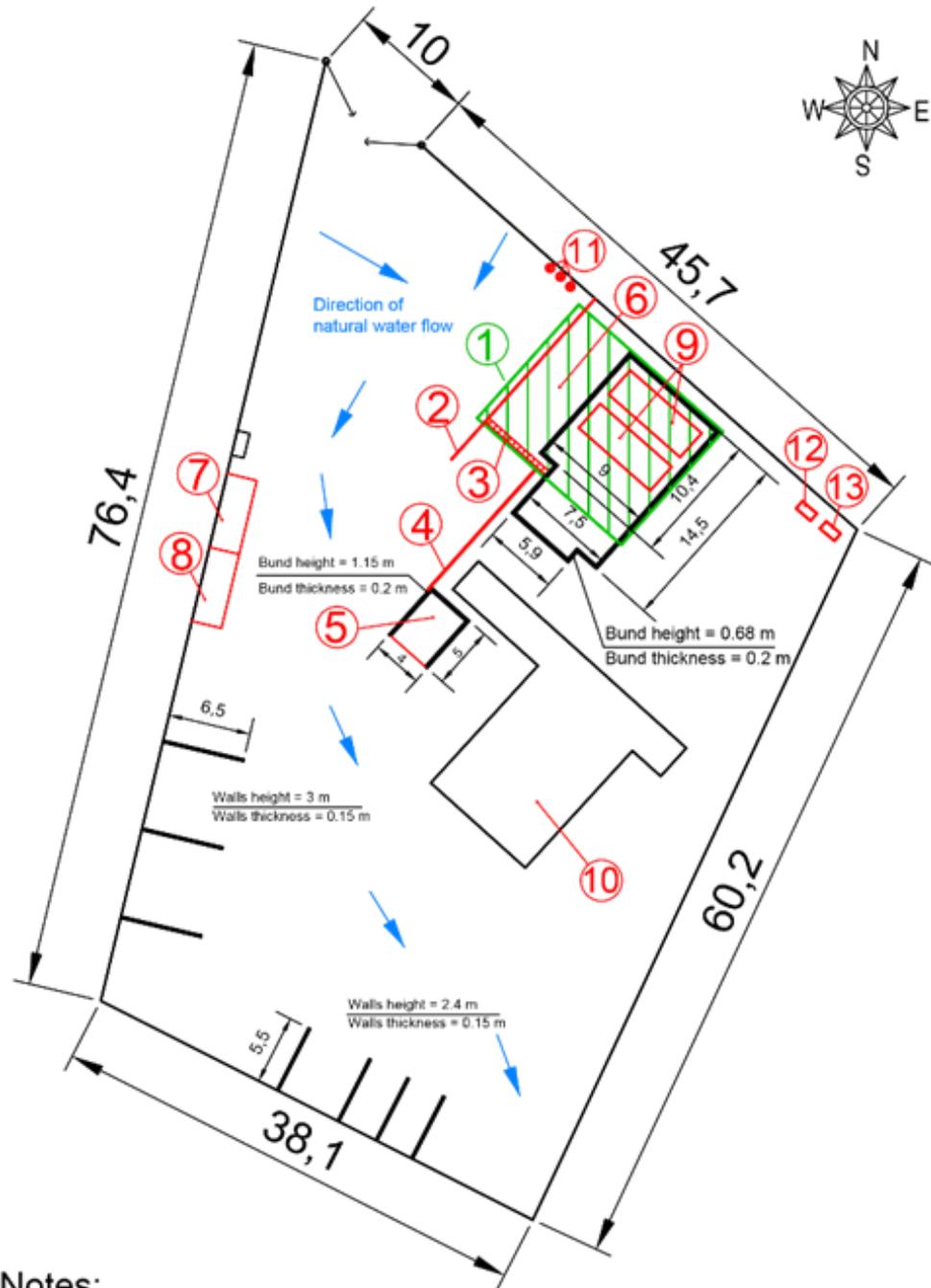
There will be an oil-water separator operating on site. It is designated by position 5, presented on fig.1 below. This existing structure has dimensions of 4 x 5 x 1.40 meters and is executed with reinforced concrete walls and foundation, which will be completely proofed with specialised impermeable coating, resistant to water and oil. The total volume of the structure is 28 m<sup>3</sup>. The separator is covered by a rigid hood, protecting it against rainfall. The separator is equipped with a pump, level indicator and inspection points. The oil-water separator is connected to the loading area (6) with a pipe (4) for receiving any contingent spills during the loading/unloading activities and/or ingress of rainwater. The level indicator of the separator will be visually monitored by the responsible person, at regular intervals, as set by the operating procedures. When a set level of the liquid is reached, the fitted pump will be used

to empty the separated oil into an IBC container, which will, in turn, be emptied into the stationary tank containers. For the discharge and treatment of the leftover contaminated water, the service of an authorised company will be used. The regular maintenance of the oil-water separator will be performed every two years. The reservoir will be completely emptied and the wall and foundation will be cleaned from all residue and sludge. A visual inspection of the condition of the coating will be performed and, if necessary, corrective action will be taken.

Any leakage in the loading / unloading area (6) will be directed to an oil-water separator (5) with the help of a raised concrete guard curb (2), a ditch (3) and an underground pipe (4).

Rainwater from the loading / unloading area (6), possibly oil contaminated, may discharge into the oil-water separator (5). The emulsion formulated this way will be gravitationally separated into two layers: oil (top) and water (bottom). The oil layer will be periodically pumped towards the stationary tank containers. The residual contaminated water and emulsion will be sent to licenced processors for regeneration/disposal. No wastewater will be discharged into sewage system or in water body. The rainwater within the bunded area with the stationary tank containers will remain there until self-evaporation.

# PLOT 15 CLWYD CLOSE HAWARDEN INDUSTRIAL ESTATE



Notes:  
1. All dimensions are metric.

M1:500@A4

Fig.1

KEY:

1. Area of loading/unloading and storage of waste oil
2. Raised concrete curb to trap and direct the surface water flow to ditch, position 3
3. Ditch with grid cover
4. Underground pipe connecting the ditch with an oil-water separator, position 5
5. Oil-water separator
6. Loading / unloading area
7. Office container
8. Office container
9. Two tank containers for waste oil storage.
10. Unused existing ramp.
11. Fire Extinguishers class B
12. Box for pristine sorbents
13. Box for contaminated sorbents

ENVEO ASTON Ltd. is a holder of a Vehicle Operator License (OG2066177) and is registered as an Upper Tier Carrier, Broker, Dealer (CBDU463205).