

Massingham Petrol Storage Depot

Contaminated Land - Non Technical Summary

April 2024

The borough council inspects the district for potentially contaminated land under Part 2A of the Environmental Protection Act 1990. Massingham Petroleum Storage Depot was identified in the borough council's inspection strategy because of the large-scale fuel storage and because there was water nearby, including groundwater used for drinking water. The borough council's Environmental Quality team assessed the site to see if harm could happen to human health, property, groundwater surface water or the wider environment.

Information was gathered from documents, maps and reports and we were able to state the following:

- The site was historically a Petroleum Storage Depot (PSD) operated by the Ministry of Defence between 1939 and 1994.
- The site is not currently used for fuel storage and is owned by the Ministry of Defence and maintained by the Defence Infrastructure Organisation (DIO).
- Site investigations have been carried out for DIO. The site investigation reports show that there is some contamination in soil and in groundwater beneath the site.

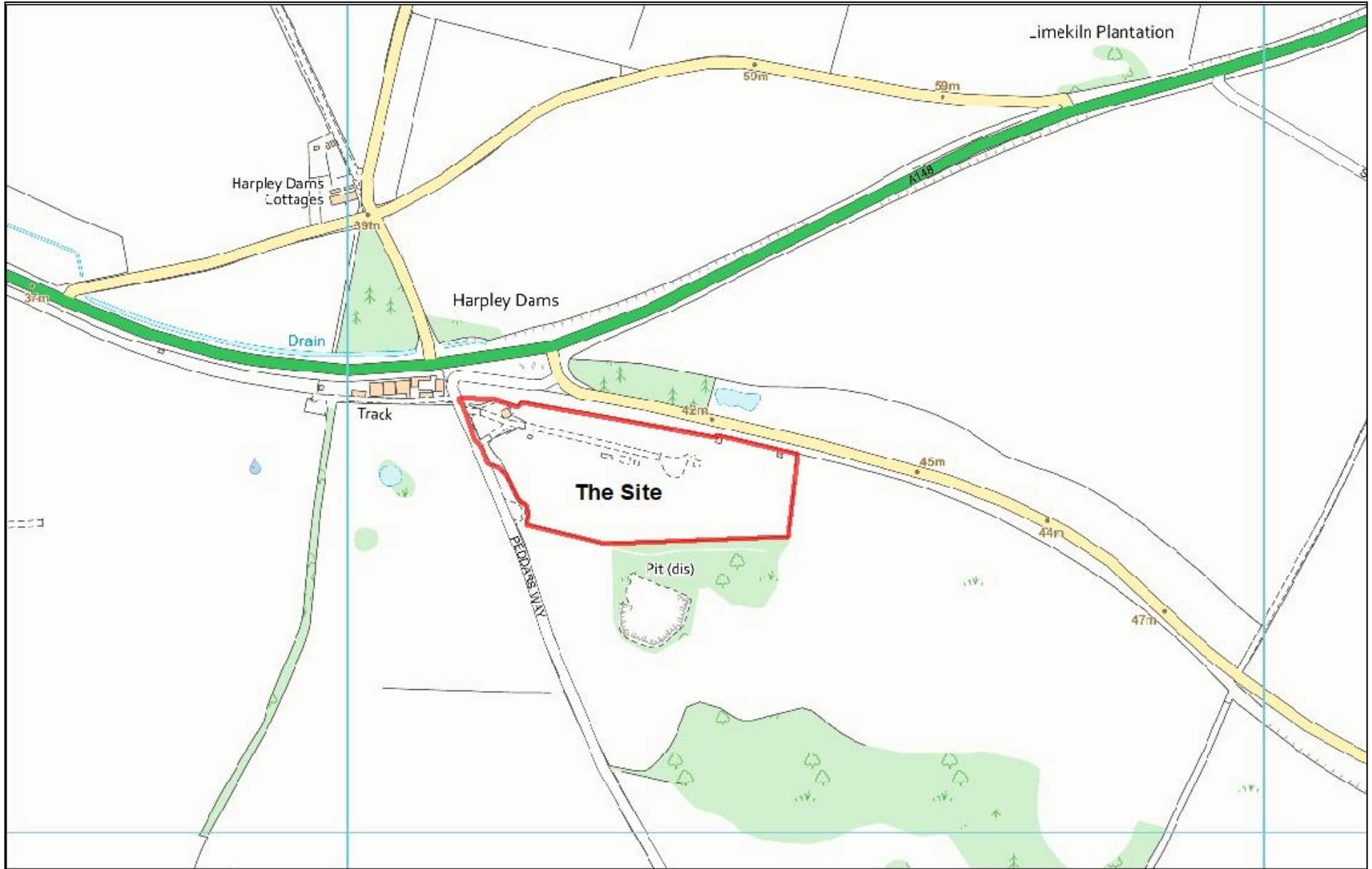
There was no evidence that buildings, domesticated animals, or the natural environment were being harmed by the contamination. The risk to these receptors is very low. The site is enclosed, and access is restricted to Ministry of Defence personnel or their contractors. So, the risk to human health by direct contact is very low.

There was fuel contamination found in the groundwater beneath the site. There are boreholes licensed to abstract drinking water nearby, but the Anglian Water boreholes nearest to the site are backfilled and they don't plan to use them again. The risk to human health from drinking water is moderate/low.

Because soil contamination has been identified and there could be a way for fuel to enter groundwater and surface water at some point, it is considered that there is a moderate/low risk to the groundwater near to the site and to surface water in ditches and streams.

The Environment Agency are working with DIO to protect water and the EA's advice will be taken before any decision is made on whether the site could be Contaminated Land. Because DIO are doing more work to assess the site, the borough council Environmental Quality team are satisfied that the site owners are actively cooperating to address the risks identified.

The site isn't contaminated land, but it will be kept under regular review. The next review will be in March 2025. The report will also be reviewed if there is any new information, if site conditions change, or if there are any reports of pollution or harm from the site.



Borough Council of
King's Lynn &
West Norfolk



Title
Location Plan

Project / Details
Massingham PSD

Drawn by Date Scale
FAP August 2023 1:5,000

Drawing / Reference Number

Figure 1



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