

MEMO From **Paul Pearse**

To: Yee Cheung
Our ref 18/04340/ECONPL
Your ref FUL/MAL/18/01238
cc
Date 23 November 2018

Proposal:	Proposed 2No. dwellings, one as a replacement and one to include demolition of intensive poultry buildings
Location:	Moorah Farm Plains Road Tolleshunt Major Essex (100091259014)

I refer to your memo in connection with the above mentioned application and would make the following comments.

We have reviewed the Phase 1 Desk Study Report for Land at Moorah Farm by Demeter Environmental Limited dated November 2018. The conceptual model developed in the report indicates the potential for the presence of contaminants of concern that may present a significant risk of harm to end users and site workers. The report recommends that further works are required and suggests direct remediation as an alternative to a site investigation to test the conceptual model.

We concur with the findings of the Phase 1 Study but shall require an intrusive investigation and risk assessment in accordance with UK policy and those of Maldon District Council's adopted Technical Guidance for Applicants and Developers by the Essex Contaminated Land Consortium.

Therefore we shall recommend our standard conditions in relation to land contamination.

CONDITIONS

1 Surface Water Drainage

No development work above ground level shall occur until a detailed Sustainable Urban Drainage Scheme as specified in the Essex Sustainable Drainage Systems Design Guide has been submitted to and approved in writing by the local planning authority. The scheme shall subsequently be implemented prior to occupation of the development and should include and not be limited to:

- Discharge rates/location
- Storage volumes
- Treatment requirement
- Detailed drainage plan

A written report summarising the final strategy and highlighting any minor changes to the approved strategy

Where the surface water drainage strategy proposes the use of soakaways the details of the design and the results of a series of percolation tests carried out upon the subsoil in accordance with DG 365 2016. You are advised that in order to satisfy the soakaway condition the following details will be required:- details of the area to be drained, infiltration rate (as determined by BRE Digest 365), proposed length, width and depth of soakaway, groundwater level and whether it will be rubble filled.

Where discharging to a watercourse the proposed scheme shall include details of the destination and discharge rates equivalent to "greenfield runoff" up to and including a 1 in 100 year rainfall event inclusive of climate change. This is typically achieved by installing some form of attenuation on site e.g. temporary storage. The rate should be restricted to the 1 in 1 greenfield rate or equivalent greenfield rates with long term storage (minimum rate 1l/s). If the land is designated as a Brownfield Site it should aim to limit run-off for a storm event that has a 100% chance of occurring each year (1 in 1 year event) OR demonstrate 50% betterment of the current rates.

The applicant must demonstrate that the system is an appropriate point of discharge for the site. The discharge hierarchy should be used to determine discharge location. This is particularly important when considering greenfield development which may currently discharge to a sewer but may have the capacity to discharge to a watercourse or to the ground. If not, then further information/assessment will be required to determine the suitability of the system to convey the proposed flows and volumes of water. Evidence will be required that the development will not increase risk to others. If the proposed discharge point is outside the development site then the applicant will need to demonstrate that the necessary permissions and or agreements to achieve connection are possible.

Where the local planning authority accepts discharge to an adopted sewer network you will be required to provide written confirmation from the statutory undertaker that the discharge will be accepted.

Prior to first occupation a maintenance plan detailing the maintenance arrangements including who is responsible for different elements of the surface water drainage system and the maintenance activities/frequencies, has been submitted to and agreed in writing, by the local planning authority.

2. Foul Drainage

Prior to the commencement of the development details of the foul drainage scheme to serve the development shall be submitted to and agreed in writing by the local planning authority. The agreed scheme shall be implemented prior to the first occupation of the development.

3 Notwithstanding the details submitted with this application, no development shall commence, other than that required to carry out additional necessary investigation which in this case includes demolition, site clearance, removal of underground tanks and old structures, and any construction until an investigation and risk assessment has been submitted to and approved in writing by the local planning authority. The risk assessment shall assess the nature and extent of any contamination on the site whether or not it originates on the site. The investigation and risk assessment must be undertaken by competent persons and a written report of the findings must be produced. The report of the findings must include:

- (i) a survey of extent, scale and nature of contamination;
- (ii) an assessment of the potential risks to:
 - o Human health,
 - o Properly (existing or proposed) including buildings, crops, livestock, pets, woodland and service lines and pipes,
 - o Adjoining land,
 - o Groundwaters and surface waters,
 - o Ecological systems
 - o Archaeological sites and ancient monuments;
- (iii) an appraisal of remedial options, and proposal of the preferred option(s).

This must be conducted by a competent person and in accordance with DEFRA and the Environment Agency's 'Model Procedures for the Management of Land Contamination, CLR 11' and the Essex Contaminated Land Consortium's 'Technical Guidance for Applicants and Developers' and is subject to the approval in writing of the Local Planning Authority.

4 No development shall commence, other than where necessary to carry out additional investigation, until a detailed remediation scheme to bring the site to a condition suitable for the intended use by removing unacceptable risks to human health, buildings and other property and the natural and historical environment has been submitted to and approved in writing by the local planning authority. The scheme must include all works to be undertaken, proposed remediation objectives and remediation criteria, timetable of works and site management procedures. The scheme must ensure that the site will not qualify as contaminated land under Part 2A of the Environmental Protection Act 1990 in relation to the intended use of the land after remediation. The development hereby permitted shall not commence until the measures set out in the approved scheme have been implemented, unless otherwise agreed in writing by the Local Planning Authority. The Local Planning Authority may give approval for the commencement of development prior to the completion of the remedial measures when it is deemed necessary to do so in order to complete the agreed remediation scheme. The Local Planning Authority must be given two weeks written notification of commencement of the remediation scheme works.

This must be conducted by a competent person and in accordance with DEFRA and the Environment Agency's 'Model Procedures for the Management of Land

Contamination, CLR 11' and the Essex Contaminated Land Consortium's 'Technical Guidance for Applicants and Developers' and is subject to the approval in writing of the Local Planning Authority.

- 5 The remediation works shall be carried out prior to commencement of the development unless where commencement is required to carry out remediation. The approved remediation scheme must be carried out in accordance with the details approved unless otherwise agreed in writing by the Local Planning Authority.

Following completion of measures identified in the approved remediation scheme, a verification report that demonstrates the effectiveness of the remediation carried out must be produced. This must be conducted by a competent person and in accordance with DEFRA and the Environment Agency's 'Model Procedures for the Management of Land Contamination, CLR 11' and the Essex Contaminated Land Consortium's 'Technical Guidance for Applicants and Developers' and is subject to the approval in writing of the Local Planning Authority.

Reason: To prevent the undue contamination of the site in accordance with policy CON6 of the adopted Maldon District Replacement Local Plan.

INFORMATIVES

1 Refuse and Recycling

The applicant should consult the Waste and Street Scene Team at Maldon District Council to ensure that adequate and suitable facilities for the storage and collection of domestic waste and recyclables are agreed, and that the site road is constructed to accommodate the size and weight of the Council's collection vehicles.

2. Land Contamination

Should the existence of any contaminated ground or groundwater conditions and/or hazardous soil gases be found that were not previously identified or not considered in a scheme agreed in writing with the Local Planning Authority, the site or part thereof shall be re-assessed and a scheme to bring the site to a suitable condition shall be submitted to and agreed in writing with the Local Planning Authority. A "suitable condition" means one in that represents an acceptable risk to human health, the water environment, property and ecosystems and scheduled ancient monuments and cannot be determined as contaminated land under Part 2A of the Environmental Protection Act 1990 now or in the future.

The work will be undertaken by a competent person in accordance with the Essex Contaminated Land Consortium's Land Contamination Technical Guidance For Applicants and Developers and UK best-practice guidance.

3. Construction

The applicant should ensure the control of nuisances during construction works to preserve the amenity of the area and avoid nuisances to neighbours:

- a) No waste materials should be burnt on the site, instead being removed by licensed waste contractors;
- b) No dust emissions should leave the boundary of the site;
- c) Consideration should be taken to restricting the duration of noisy activities and in locating them away from the periphery of the site;
- d) Hours of works: works should only be undertaken between 0730 hours and 1800 hours on weekdays; between 0800 hours and 1300 hours on Saturdays and not at any time on Sundays and Public Holidays.

Where it is necessary to work outside of these recommended hours the developer and builder should consult the local residents who are likely to be affected and contact the Environmental health Team for advice as soon as the work is anticipated.

4. Small Sewage Treatment Plants

When a sewage treatment plant or septic tank is installed the applicant must ensure that the plant and receiving watercourse complies with DEFRA's general binding rules. Please note that if the general binding rules cannot be complied with you may need to apply for an Environmental Permit to use the system. Please see www.gov.uk for more information on General binding rules for small sewage discharges.

5. Alteration to an Ordinary Watercourse

Under Section 23 of the Land Drainage Act 1991, prior written consent from the Lead Local Flood Authority (Essex County Council) is required to construct any culvert (pipe) or structure (such as a dam or weir) to control, or alter the flow of water within an ordinary watercourse. Ordinary watercourses include ditches, drains and any other networks of water which are not classed as Main River.

If you believe you need to apply for consent, further information and the required application forms can be found at www.essex.gov.uk/flooding. Alternatively you can email any queries to Essex County Council via watercourse.regulation@essex.gov.uk.

Planning permission does not negate the requirement for consent, and full details of the work you propose will be required at least two months before you intend to start.

6. Timing of submission of details

It is recommended that the developer seeks to discharge conditions at the earliest opportunity and in many respects it would be logical to do so before development commences. This is particularly the case with conditions which begin with the wording "no development works above ground level shall occur until..." because this will help to ensure that the developer does not go to the risk of incurring costs from commencing development and then finding issues

which are difficult to comply with or which may then require the correction of works that have been undertaken.

A handwritten signature in black ink, appearing to read 'Paul Pearce', written in a cursive style.

Paul Pearce
Environmental Health Technician