



## PROJECTS

### ENVIRONMENTAL AUDIT

Audit30

## PROPOSED RESIDENTIAL DEVELOPMENT, Former Nursery Site, Madeley.

A former commercial nursery is proposed for residential redevelopment. An initial voluntary audit became mandatory when a WAPC Planning Application was approved, to investigate and remediate any impacts from the former site usage.



A stage 1 Preliminary Site Investigation (PSI) identified the following potential impacts:

- Use of organo-chlorine/phosphate (OCP) and herbicide/insecticides including triazine herbicides, and fertiliser applications
- Hydrocarbon impacts to former in car parking areas
- Former site structures and boundary fences constructed of asbestos containing materials (ACM) fragments present on soils



A detailed Sampling and Analysis Plan (SAP) was prepared.

A stage 2 Detailed Site Investigation (DSI) was implemented to identify any impacts from these sources.

- ACM fragments were removed from surface soils, which were then validated
- Hydrocarbon impacted soils were removed by excavation for off-site disposal and then validated
- Groundwater was impacted from nutrient applications, however these are present sub-regionally due to the extensive market garden operations locally
- Risk assessment concluded that there was no unacceptable risk to local wetlands from nutrient migration in groundwater
- The site was recommended for a classification of 'Decontaminated'

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