

NOTE ON ABSTRACTION LICENCES AND PERMIT ISSUED TO BRETT BY THE ENVIRONMENT AGENCY

Abbreviations:

UMA: upper mineral aquifer

LMA: lower mineral aquifer

LML: LMA recharge lagoon

Core Document 11.4

FULL abstraction licence TH/039/0028/054

Issued 2nd Nov 2018

Corrected by EA Position Statement 14th May 2019

Allows:

- Abstraction, all year round, from the UMA within the red line boundary on the plan (subject to the 'But' below)
- Purpose is for mineral washing
- Hourly, daily and annual maximum quantities are specified
- Maximum instantaneous pumping/abstraction rate is specified

But (Condition 9.1):

- Abstraction not to take place within each operational phase until the UMA sidewall liner is installed for each phase, however
- Abstraction can take place outside the phase for the purposes of constructing the phase liner, maintaining its integrity once built

Also:

- Need to install a flow meter in line with EA guidance, calibrate and maintain it
- Take monthly readings of water abstracted (same time each month)
- Keep records on abstraction and maintenance for 6 years
- Submit abstraction data to EA annually

Time limited to 31 March 2026: see covering letter 2 November 2018; Date of Expiry specified on front page of licence; Position Statement Fourth Paragraph under heading "Background"

Core Document 11.5

TRANSFER abstraction licence TH/039/0028/051

Issued 2nd Nov 2018

Corrected by EA Position Statement (**PS**) 14th May 2019

Allows:

- Abstraction, all year round, from the UMA and the LMA within the red line boundary on the plan (subject to the 'But' below)
- Purpose is for dewatering/lowering of water levels with water return back into the aquifer(s) elsewhere without intervening consumptive use (transfer licence)

- No limit on overall volume but maximum pump/abstraction rate is specified (same as full licence)

But (Condition 9.1,9.3, 9.4,9.5):

- Abstraction not to take place within each operational phase until the UMA sidewall liner is installed for each phase, however
- Abstraction can take place outside the phase for the purposes of constructing the phase liner, maintaining its integrity once built
- This water can be used for mineral washing under the Full licence i.e. one pump and pipework system can serve both licences
- Water from the UMA not used for mineral washing must be returned to the UMA or LMA
- Water from the LMA must be returned to the LMA and only via the LML, and only when the water level in the LML is below 74.5mAOD and will remain so during the discharge

Also:

- Need to install a water level logger to record hourly in the LML, calibrate and maintain it
- Take monthly readings of water abstracted (same time each month)
- Keep records of water levels and maintenance for 6 years

Time limited to 31 March 2026: Date of Expiry specified on front page of licence; Position Statement Fifth Paragraph under heading "Background".

Core Document 11.6

Waste Permit EPR/EB3808HD

Issued 15 January 2018

Varied by notice 2 January 2020

The introductory note to the Permit provides that the main features of the permit:

- an inert landfill operation at the site of the former Hatfield Aerodrome;
- management on-site of extractive mineral waste (silt) from the quarry operations located within the permit boundary;
- imported waste will be used to construct an artificial geological barrier to a thickness of 1 metre and a maximum permeability of 1×10^{-7} m and waste material will not be deposited below this artificial geological barrier.

The introductory note to the Variation to the Permit states that it:

- amends the waste codes that can be accepted on site to align with the waste types detailed within 'The Landfill Tax (Qualifying Material) Order 2011';
- Table S2.1 has been amended to include an additional restriction/notes that states all waste accepted must be listed within the Landfill Tax (Qualifying Materials) Order 2011 at the request of the operator;
- Table S2.2 has also been amended to include an additional note that states soil includes naturally occurring sands and clays.

The Conditions section of the Permit contains general conditions under four headings: management; operations; emissions and monitoring, and information. The Conditions reference the Schedule which contains the detailed restrictions on, and requirements of, the Permit.

The Permit contains an annual limit on Inert Waste for disposal of 250,000 tonnes. Condition 2.6.1 details the types of waste which may be accepted and specifies they can be inert only.

Other conditions which may be of particular interest in the context of the planning appeal include the following:

- Condition 1.3 relates to avoidance, recovery and disposal of wastes produced by the activities and provides that the operator shall take appropriate measures to ensure that waste produced by the activities is avoided or reduced, or where waste is produced it is recovered wherever practicable or otherwise disposed of in a manner which minimises its impact on the environment. There is a further requirement to review and record at least every four years whether changes to those measures should be made; and to take any further appropriate measures identified by a review.
- Condition 2.5 details the landfill engineering (of cells prior to deposit of waste).
- Condition 3.1.4 requires the operator shall submit to the Environment Agency a review of the Hydrogeological Risk Assessment:
between nine and six months prior to the sixth anniversary of the granting of the permit; and
between nine and six months prior to every subsequent six years after the sixth anniversary of the granting of the permit.

The Waste Permit is not time limited. This allows the Environment Agency to regulate activities until it is satisfied that it no longer needs to do so.