

DECANTAE MINERAL WATER LIMITED

APPLICATION TO VARY AN EXISTING LICENCE (WA/466/0004/0004)

Continuation Sheet

Introduction

Decantae Mineral Water Limited ("Decantae") bottle natural mineral water from a spring and production boreholes at their site at Trofarth Farm, Conwy, North Wales ("the Site"). The Site is authorised to abstract from four points: Points A - D. Point A is the spring and Points B – D are borehole sources.

Form WRA – Proposal Summary

Decantae wish to vary their existing abstraction licence to replace "Point B" with a new "like-for-like" borehole. The new borehole will be drilled approximately 10 - 15m away from the existing Point B. This application does not propose to make any changes to the abstraction quantities or source of supply and therefore, a test pumping programme is not required. This has been confirmed in discussions with Mary Beckett (Senior Permitting Officer – Water Resources) of Natural Resources Wales.

Form WRD – Means of Abstraction

The new borehole will be constructed as a "like-for-like" replacement for the existing Point B groundwater abstraction. There will be some very minor differences in the construction technique, taking account of the most modern borehole construction standards, as follows:

- The new borehole will be drilled to a depth of approximately 39m at a finished diameter of 200mm. This is a slightly larger diameter than the original borehole, to allow more room for the installation of a pump and monitoring equipment.
- The new borehole will be constructed with plain uPVC casing and grouted to a depth of up to 12m. The original borehole had a 6m length of grouted casing. Extending the casing depth will be based on the actual geology encountered, to ensure there is an adequate sanitary seal.

The remainder of the borehole will be screened with slotted uPVC casing to 38m bgl. A submersible pump will be installed to abstract water.

The water abstracted from the new borehole will be used for commercial water bottling at the same abstraction rates per the existing abstraction licence no. WA/466/0004/0004 (a combined rate of 5.6 m³/hour, 134 m³/day and 21,404 m³/year).

A schematic showing the proposed borehole construction is shown on the attached Figure 2.

Form WRD – Calculations and Supporting Information

The Site is licensed to abstract at a combined rate of 5.6 m³/hour, 134 m³/day and 21,404 m³/year from Point A, Point B and Point C and 1.6 m³/hour, 38.4 m³/day and 14,016 m³/year from Point D. This application does not propose to change the abstraction volumes or source of supply.

Form WRD – Water Efficiency

Abstraction at each point will be monitored using a mechanical flow meter to ensure licensed quantities are not exceeded, as per the licence requirements.

An inspection and maintenance programme involves regular checks of the distribution system for leaks. Faults are recorded and repairs undertaken as quickly as possible. Equipment is serviced regularly to ensure that it is in good working condition.

Form WRD – Other Abstractors / Water Users

A Water Features Survey (WFS) [Ref. PPN-00266] was undertaken and submitted to the NRW in October 2018 as part of an earlier licence application. There are no registered PWS within 500m of the Site; however, the WFS identified two residential properties (Swn yr Afon and Trofarth Isa) where unregistered supplies could be present. The owners of the properties were contacted and both confirmed that they are connected to mains and do not have private water supplies. Consequently, there are no PWS at risk from abstraction at the Site.

This application does not propose to make any changes to the abstraction quantities or source of supply. Consequently, there will be no impact to local water resources from abstracting from the new borehole rather than the existing borehole at Point B.

Envireau Water
08/06/2021