

Notice of request for more information
Environmental Permitting (England and Wales)
Regulations 2016

Notice requiring further information


To: Penelope Sue Butler
Radnor Hills Mineral Water Company Ltd
Heartsease
Knighton
Powys
LD7 1LU

Application number: PAN - 000849

Natural Resources Wales, in exercise of its powers under paragraph 4 of Part 1 of Schedule 5 of the above Regulations, requires you to provide the information detailed in the attached schedule. The information is required in order to determine your application for a permit, dated 17th October 2016. The information requested should be sent to the following address by 15/08/2017.

Information should be sent to:

Saul White
Permitting Service
Natural Resources Wales
Cambria House
29 Newport Road
Cardiff
CF24 0TP

Name	Date
	20/06/2017

Saul White – Senior Permitting Officer (Regulated Industry)
Authorised on behalf of Natural Resources Wales

Ffôn/Tel 03000 653344
E-bost/Email saul.white@cyfoethnaturiolcymru.gov.uk
saul.white@naturalresourceswales.gov.uk

Trwyddedu Gwasanaeth, Cyfoeth Naturiol Cymru, Tŷ Cambria, 29 Heol Casnewydd, Caerdydd. CF24 0TP
Permitting Service, Natural Resources Wales, Cambria House, 29 Newport Road, Cardiff. CF24 0TP

Gwefan/Website www.cyfoethnaturiolcymru.gov.uk
www.naturalresourceswales.gov.uk

Croesewir gohebiaeth yn y Gymraeg a'r Saesneg
Correspondence welcomed in Welsh and English

Schedule

Further information is required in relation to your proposed surface water discharge to the River Teme. The additional information that we require is itemised below.

1. Please remodel the process effluent discharge to the River Teme SSSI based on the targets as described in the Common Standards Monitoring Guidance 2016 as opposed to the Water Framework Directive targets, as these are the standards applied to the River Teme at the proposed discharge location. Link to the guidance document below:

- http://jncc.defra.gov.uk/pdf/CSM_rivers_Sept2016.pdf
- For background data for the River Teme and relevant pollutants, please contact Lucy Morris at the Environment Agency's Analysis and Reporting Team on 02030251657 or Lucy.Morris@environment-agency.gov.uk

In your modelling please assess for:

- **Soluble reactive phosphorus (SRP)** (not total phosphate) (assessment targets - table 6, pg. 13 of the guidance document - **High altitude, High alkalinity River**)
- **Ammonia** (assessment targets - table 4 pg. 12 of guidance the document)
- **BOD** (assessment targets - table 4 pg. 12 of the guidance document)
- **Total Suspended Solids (TSS)**
- In your application, you have calculated the mean annual flow for the River Teme by deriving flow statistics based on flows at other locations. As the River Teme is prone to drying up at certain times of the year, please model **summer-time flow rates (March – September)** on the river and assess the proposed discharge against these in addition to normal flow.

2. In your original application you state that the effluent temperature is 25°C. Please confirm at what point in the process the effluent will be at this temperature and confirm the temperature of the effluent at the proposed discharge point to the River Teme. For the latter, please provide written evidence to show how the proposed discharge temperature at the river has been calculated.

3. Please model the temperature of the river after the mixing zone.

4. Outline the measures that are in place to reduce the effluent temperature before it discharges to the river.

5. In regards to the Effluent Treatment Plant you state that it is a biological treatment process. Please confirm what nutrients are added to the system to treat the effluent and if any further biological or chemical additives are added to aid the process and could therefore be present in the final effluent. Any chemicals added to the process should be screened and accounted for in the re-modelling of the discharge if they do not screen out as insignificant.

END OF SCHEDULE

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