

Consultation Response from: KC Environmental Health (Pollution & Noise Control)		
2020/90441 - Pennine Service Station, Bradley Road, Bradley, Huddersfield HD2 1QD		
Discharge conditions 3, 6, 7, 18 on previous permission 2019/92233 for erection of petrol filling station, including new shop building, canopy, jet-wash and below ground storage tanks		
Date Responded: 14 Aug 2020	Responding Officer: Richard Hume	Responding Ref: WK/202003872
Condition 6 – Artificial lighting scheme In our previous responses dated 13 Feb & 7 Jul 2020 we recommended that condition 6 was not discharged because the information submitted by the applicant did not provide the information that was required by the condition. An email from Richard Shinn dated 4 August 2020 has now been received providing additional information and some clarification of the information previously submitted. In terms of the specific requirements of condition 6. 1. The proposed design level of maintained average horizontal illuminance for the site. In the email there is now a reference to guidance in BS EN 12464-2:2014 <i>Light and lighting — Lighting of work places Part 2: Outdoor work places</i>. He refers to Table 5.6 for fuel filling stations that the <i>maintained</i> level of illumination is 150 lux. Table 5.6 actually recommends 150 lux at air pressure and water checking points and other service areas and 20/50 lux at dark/light environment entry and exit driveways and 5 lux at parking areas. The information provided by the applicant does not specifically give the maintained levels of illuminance at these various points at the site. However from page 8 of the previously submitted lighting scheme it appears that the average illuminance at areas not under the canopy will be 84 lux and from page 9 the isolux contours appear to show the entrance and exit driveways will be around 50 lux. The proposed lighting does however appear to provide insufficient illuminance levels of 25 lux at air, water and charging service points. Environmental Health's main concern is related to ensuring that the lighting does not adversely affect the amenity of nearby residents. The proposed levels of illuminance have now been shown to be at levels that, compared to guidance in BS EN 12464-2, are not excessive. The proposed levels of horizontal illuminance for the area outside the canopy are therefore considered to be satisfactory. 2. The predicted vertical illuminance that will be caused by lighting when measured at windows of any properties in the vicinity. In the email Mr Shinn refers to the positions of the nearby residential properties and advises that the report predicts light levels that will fall on the vertical surfaces of the adjacent		

properties are at or below 1 lux. This is assumed to mean that the proposed lighting will not cause vertical illuminance at windows of nearby properties greater than 1.0 lux and based on that assumption is acceptable.

3. The proposals to minimise or eliminate glare from the use of the lighting installation

There is no reference to glare in either the email or the submitted scheme. However, the lighting underneath the canopy is unlikely to cause glare at neighbouring properties.

4. The proposed hours of operation of the lighting

In the email Mr Shinn advises that the lighting will not be operated outside the times that the service station is permitted to be open which are

0700 to 2200 Monday to Saturdays and

0800 to 2100 on Sundays

These times are considered to be acceptable

Recommendations

Despite condition 6 being clear about what information was required, the submitted information has been particularly difficult to interpret. However based on the assumptions mentioned above I consider that the proposed lighting is not excessive and will not have a significant adverse impact on nearby residents therefore I recommend that the revised Lighting Scheme by Bever Innovations dated 4 Dec 2019 (with ref: SBO04122019_Pennine_V3) is accepted.

The lighting needs to be installed and thereafter maintained in accordance with that lighting scheme.