

From:
To: [Planning \(SMDC\)](#)
Cc: [Alan Hulme](#); [Bryan Stubbs](#); [Colin Pearce](#); [Gareth Buckley](#); [info@theadmingenieuk.com](#); [Keith Flunder](#); [Paul McCormack](#); [Pete Wilkinson](#); [Sandra Peck](#); [Stephanie Akerman](#); [Steve Buckley](#)
Subject: FW: Application SMD/2024/0299 - Installation of Biomass Boiler 500kw and all associated works (retrospective) - Tean Leys Farm, Tean Leys, Lower Tean
Date: 01 July 2024 09:57:10

-----Original Message-----

From: Cllr Steven Buckley <>
Sent: Saturday, June 29, 2024 9:38 PM
To:
Subject: Re: Application SMD/2024/0299 - Installation of Biomass Boiler 500kw and all associated works (retrospective) - Tean Leys Farm, Tean Leys, Lower Tean

The Applicant is applying for Retrospective Minor Planning Permission for a Biomass Boiler 500kw and all associated works already carried out on site and in use from 2 June 2023 without Prior Planning permission.

Applicants have been discovering that Recent audits by OFGEM (Office of Gas & Electricity Markets) of Renewable Heat Installations (RHI) have requested copies of planning permission. If planning permission is not available at audit, RHI payments will be suspended until planning permission is available. Planning permission has always been a requirement for RHI accreditation, but until 22 May 2018 OFGEM had not required to see that permission.

Checkley Parish Council are committed to biodiversity and green energy schemes such as Biomass. However there has to be careful consideration of the impact of such schemes on historic and rural character, so the location and design of such facilities needs careful consideration.

Checkley Parish Council are concerned that the Application is lacking sufficient information to make a definitive decision and the Applicant should be requested to provide the following information required to accompany a planning application or environmental permit application for a Biomass Boiler installation.

1. Particulars of the Boiler

- a) Describe the proposed biomass boiler including make, model, manufacturer, thermal capacity (kw/MW), efficiency, maximum rate of fuel consumption (kg/hr or m3/hr).
- b) Describe the boiler combustion system and how combustion will be optimised and controlled.
- c) Describe the fuel feed system.
- d) Provide details of the abatement equipment in place for controlling particulate matter (fly ash) emissions.
- e) How does the biomass boiler deal with variable heat loads is the boiler linked to an accumulation tank?
- f) Is the biomass boiler an exempt appliance in accordance with the Clean Air Act 1993? If yes, provide evidence to demonstrate the biomass boiler has been tested and certified as an exempt appliance (for example a link to the appliance on the UK Smoke Control Areas website <http://www.uksmokecontrolareas.co.uk/appliances.php>)

2. Boiler Operation and Maintenance

- a) Describe arrangements for cleaning and de-ashing the boiler.
- b) Provide details of the maintenance schedule associated with boiler, abatement equipment and stack. This should include frequency of boiler inspection and servicing by a trained boiler engineer.
- c) Describe how incidences of boiler or abatement system failure are identified and mitigated.

3. Boiler Stack Details

- a) Identify the height of the boiler exhaust stack above ground. Evidence shall be presented to demonstrate that predicted emission concentrations associated with the calculated stack height do not have a significant impact on the air quality objectives for NO2 and PM10. It will be necessary to obtain background concentrations of NO2 and PM10 for the proposed location of the biomass boiler. These are available at

<http://www.airquality.co.uk/laqm/tools.php?tool=background06>. If the location already exceeds the air quality objectives the options for potential increases to pollution emissions need careful assessment. The boiler exhaust stack height should be calculated using dispersion modelling software such as ADMS 4 or Aermod.

- b) Identify stack internal diameter (m).
- c) Provide maximum particulate matter and nitrogen oxides emission rates (mg/m³ or g/hr) to standard reference conditions (6% oxygen, 273K, 101.3kPa).
- d) Identify the exhaust gas efflux velocity (m/s).
- e) Provide the grid reference of boiler exhaust stack.

4. Fuel Details

- a) Describe the fuel specification including origin, type of wood (chips, pellet, briquettes), nitrogen, moisture, ash content (%).
- b) Does the fuel comply with European or equivalent fuel quality standards such as CEN/TS 335 or ONORM?
- c) Describe what fuel quality control procedures will be adopted to guarantee constant fuel quality from your supplier.
- d) Provide evidence to demonstrate that the biomass boiler combustion system is applicable to the fuel specification.
- e) Identify where and how fuel will be stored on site (e.g. bunker or silo).
- f) Describe how fuel will be unloaded from the delivery vehicle into the storage facility and what control measures will be in place to reduce particulate matter emissions to atmosphere.
- g) Identify the type of fuel delivery vehicle and provide evidence to demonstrate that there is sufficient space for the fuel delivery vehicle to access the site. How frequent will the fuel deliveries be?
- h) Are there noise issues to note related to the fuel store re-filling procedures?
- i) How will any mould or other odours from the fuel store be managed?

5. Building Details

- a) Record the distance of adjacent buildings from boiler exhaust stack.
- b) Record the height of adjacent buildings from boiler exhaust stack.
- c) Record the dimensions of building to which the boiler exhaust stack is attached.
- d) Indicate the distance from the boiler exhaust stack to the nearest fan assisted intakes and openable windows.
- e) Has there been a noise assessment for any motor driven fuel feed mechanism, with both internal and external noise propagation in mind?

6. Plans

- a) A site plan showing the location of the boiler room, fuel storage area and the access and exit route for fuel delivery vehicles, and
- b) A site plan showing the position of the boiler exhaust stack, fan assisted intake air vents and nearest openable windows.

If the Applicant is unable to provide the required supporting information Checkley Parish Council would not fully support the Planning Officer in Refusing the application.

Steve Buckley
Planning Coordinator