

From: Jones, Rebecca <Rebecca.Jones@bury.gov.uk> **On Behalf Of** envsection

Sent: 01 November 2022 09:13

To: Clapworthy, Dean <D.Clapworthy@bury.gov.uk>

Subject: FW: Initial Consultation on Planning Application - Former Ashworth Frazer Site, Miller Street, Radcliffe, Manchester, M26 4AF, 68873 - Contaminated Land, Air Quality and COPA

Dean,

Please find my comments below.

CONTAMINATED LAND – Comments

The site has historically been in use as Foundry Mill (Cotton) and associated reservoirs, with the railway line running within the southern boundary and the Black Lane Railway Station in the south eastern corner. The site later became in use as an Engineering Works and a Cotton Mill with evidence of waste disposal activities in the north west of the site. Surrounding historical uses included a Cotton Mill, reservoirs, a Chemical Works, a Rubber Footwear Works, a hotel and residential. By 1973 the railway line was dismantled and later filled in. The site is currently in use as a Works occupied by "Faith in Nature".

A surface watercourse runs north and west of the site and may be culverted beneath the site. The site is situated within 250m of four registered landfill sites and is situated above the Lower Coal Measures, the Middle Coal Measures and the Peel Hall Rock Sandstone Secondary A Aquifers which are overlain by Glacial Till with an area running across the site with no recorded drift geology. The site is within a Radon Class 2 Area.

A Desk Study and Preliminary Risk Assessment Report, Site Investigation and Gas Monitoring Assessment has previously been submitted and reviewed for application 67521 for the same site, and Remediation Strategy required. However, this application does not include any significant new build or disturbance of the ground (alterations to the roof and building and installation of biomass boilers), therefore, no contaminated land conditions are considered necessary.

AIR QUALITY – Biomass Boilers Comments

The application comprises the installation of the following biomass boilers:

- 6 no. new Froling P4 99kW wood pellet boilers.
- 1 no. new Froling T4e 130kW wood chip boiler.

There are already 2 no. Propel 99kW wood pellet boilers at the site. Each boiler will have its own stack/chimney. Copies of the Technical Manuals for the new biomass boilers have been provided:

- Installation Instructions Pellet Boiler P4 Pellet 8 – 105, Froling GesmbH, Reference: M0931114_en, 5/5/2014.

- Installation Instructions Wood chip boiler T4e 20-180, Froling GesmbH, Reference: M1980520_en, 15/9/2022.

The Faith in Nature site is located within a Smoke Control Area (Radcliffe No.5 Smoke Control Order 1968). Any biomass boiler operated in a Smoke Control Area must be an exempt appliance. Please provide evidence that the two new boiler types (Froling P4 99kW and Froling T4e 130kW) and existing boiler model (Propel 99kW – no model code given) are listed as an exempt appliance on the Defra website: <https://smokecontrol.defra.gov.uk/search.php?type=appliances>.

Biomass boilers are potentially a source of air pollution. Pollutants associated with biomass combustion include particulate matter (PM10/PM2.5) and nitrogen oxides (NOx) emissions. These pollution emissions can have an impact on local air quality and affect human health. An Air Quality Emissions Screening Assessment is required and should be based on the calculation methodology and threshold emissions rates published within 'Technical Guidance: Screening assessment for biomass boilers' prepared by AEA Energy and Environment for DEFRA and the Devolved Administrations ([Technical Guidance: Screening assessment for biomass boilers \(defra.gov.uk\)](https://www.defra.gov.uk/technical-guidance/Screening%20assessment%20for%20biomass%20boilers.pdf)). Please ensure that the calculations consider the worst-case scenario as described in government guidance: "The Potential Air Quality Impacts from Biomass Combustion", Air Quality Expert Group, 2017 ([AQEG Biomass report.pdf \(defra.gov.uk\)](https://www.defra.gov.uk/technical-guidance/AQEG%20Biomass%20report.pdf)). The cumulative emissions all the boilers running at the same time should be considered.

If the Screening Assessment identifies the potential for exceedances of Air Quality Objectives, then a Detailed Air Quality Assessment may be required.

The following further information required before this Section can fully assess the applicant and recommend any appropriate conditions:

- An Air Quality Emissions Screening Assessment.
- Detailed Air Quality Assessment if required.
- Evidence that the two new boiler types (Froling P4 99kW and Froling T4e 130kW) and existing boiler model (Propel 99kW – no model code given) are listed as an exempt appliance on the Defra website
- Preventative maintenance plan for all biomass boilers.

INFORMATIVE - The Control of Noise Regulations 1975, Section 60. Control of Noise on Construction Sites

Works carried out in connection with the planning permission shall comply with the above regulations which require the following:

1. All works and ancillary operations which are audible at the boundary of the nearest house or noise receptor, or at such other place as may be agreed with the Council, shall be carried out only between the hours of 0800 and 1800 on Mondays to Fridays and between the hours of 0900 and 1400 on Saturdays and at no time on Sundays and Bank Holidays.

2. The best practicable means, as defined in section 72 of the Control of Pollution Act 1974, to reduce noise to a minimum shall be employed at all times.
3. All plant and machinery in use shall be properly silenced and maintained in accordance with the manufacturer's instructions.
4. Any emergency deviation from the above (1 – 3) shall be notified to Bury Council without delay.

Any contravention of these requirements will trigger the serving of a Notice under Section 60 of The Control of Noise Regulations 1975.

**Operations – Environment Section.
1 November 2022.**

Regards,

Rebecca.

Rebecca Jones
Environmental Protection Officer
Department of Operations
0161 253 6392
rebecca.jones@bury.gov.uk