

ANGUS COUNCIL

DEVELOPMENT MANAGEMENT REVIEW COMMITTEE – 28 JANUARY 2020

DRAGONHALL FARM, PADANARAM, FORFAR

REPORT BY THE DIRECTOR OF LEGAL AND DEMOCRATIC SERVICES

ABSTRACT:

The Committee is asked to consider an application for a review of Condition 1 of planning permission reference 18/00565/FULL – change of use of buildings and land to use as biomass fuel production business, including siting of portable site office and proposed erection of storage bays and extension to existing shed and flues at Dragonhall Farm, Padanaram, Forfar.

1. RECOMMENDATIONS

It is recommended that the Committee:-

- (i) review the case submitted by the Planning Authority (**Appendix 1**); and
- (ii) review the case submitted by the Applicant (**Appendix 2**).

2. ALIGNMENT TO THE ANGUS LOCAL OUTCOMES IMPROVEMENT PLAN

This Report contributes to the following local outcomes contained within the Angus Local Outcomes Improvement Plan 2017-2030:

- Safe, secure, vibrant and sustainable communities
- An enhanced, protected and enjoyed natural and built environment

3. CURRENT POSITION

The Development Management Review Committee is required to determine if they have sufficient information to determine the Review without further procedure. If members do not determine the review without further procedure, the Review Committee must determine the manner in which the review is to be conducted. The procedures available in terms of the regulations are: written submissions, hearing sessions or inspection of the land to which the review relates.

4. FINANCIAL IMPLICATIONS

There are no financial implications arising directly from the recommendations in the Report.

5. CONSULTATION

In accordance with Standing Order 48(4), this Report falls within an approved category that has been confirmed as exempt from the consultation process.

NOTE: No background papers, as defined by Section 50D of the Local Government (Scotland) Act 1973, (other than any containing confidential or exempt information) were relied on to any material extent in preparing the above Report.

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List of Appendices:

- Appendix 1 – Submission by Planning Authority
- Appendix 2 – Submission by Applicant

ANGUS COUNCIL'S SUBMISSION ON GROUNDS OF REMOVAL OF CONDITION 1**APPLICATION NUMBER – 18/00565/FULL****APPLICANT- ANGUS BIOFUELS****PROPOSAL & ADDRESS – CHANGE OF USE OF BUILDINGS AND LAND TO USE AS BIOMASS FUEL PRODUCTION BUSINESS, INCLUDING SITING OF PORTABLE SITE OFFICE AND PROPOSED ERECTION OF STORAGE BAYS AND EXTENSION TO EXISTING SHED AND FLUES AT DRAGONHALL FARM PADANARAM FORFAR****CONTENTS**

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Angus Council

Application Number:	18/00565/FULL
Description of Development:	Change of Use of Buildings and Land to Use as Biomass Fuel Production Business, Including Siting of Portable Site Office and Proposed Erection of Storage Bays and Extension to Existing Shed and Flues
Site Address:	Dragonhall Farm Padanaram Forfar DD8 1PX
Grid Ref:	342307 : 751714
Applicant Name:	Angus Biofuels

Report of Handling**Site Description**

The application site relates to an area of ground in the countryside measuring approximately 2ha. The site is located in the south corner of an agricultural field, adjacent to the north side of the A926 and to the northwest of Padanaram. The site currently accommodates a number of buildings, temporary structures and areas of log storage and in this respect many of the features of the application are applied for on a retrospective basis.

Proposal

The application seeks planning permission for the change of use of the buildings and land at the site to be used in connection with a biomass fuel production business, including timber storage, the siting of a portable site office and a portable concert walled storage bay and the installation of two biomass boilers (within Sheds 1 and 3) and an air drying fan system (within Shed 6). The application also proposes 2 new flues in connection with the biomass boilers, two extensions to Shed 1 and an additional concrete walled storage bay. The proposed flues would terminate 13m above ground level. The larger extension to Shed 1 would have a footprint measuring 24m x 20m, would be partially open and used for drying, and would continue the pitched roof and general form of the existing north gable of the building. The smaller extension has a mono pitched roof, would be used for a drying kiln and would have a footprint measuring 6.6m x 10m. The proposal also includes the installation of solar panels on the roof of Shed 1. The existing foul drainage arrangements at the site would be utilised and SUDS are proposed.

The Existing Site Layout drawing, submitted 11 July 2019, the Proposed Site Plan drawing, submitted 13 November 2019, the Existing Floor Plan and Elevations - Shed 1 drawing, submitted 19 July, and the Proposed Floor Plan and Elevations - Shed 1 drawing, submitted 13 November 2019, amend and supersede the earlier variations of these drawings submitted as part of the application. The amended drawings show the location of the existing boilers and flues, an enlarged drying extension, a kiln extension and new replacement flues.

Publicity

The nature of the proposal did not require the application to be the subject of Neighbour Notification.

The application was advertised in the Dundee Courier on 5 April 2019 for the following reasons:

- Neighbouring Land with No Premises

The nature of the proposal did not require a site notice to be posted.

Planning History

06/00978/FUL for Erection of Biofuel and Wood Fuel Production Unit was determined as approved subject to conditions on 20 December 2006.

Applicant's Case

A brief statement outlining the existing operations carried out at Dragonhall was submitted by the applicant in support of the application. It notes the site is used for the storage of timber and the production of wood chip for biomass fuel. It notes that on average 1x 20 tonne load of round wood is collected from the site per day Monday to Friday. On average 2x 5 tonnes and 1x 20 tonne loads are delivered to the site per day. It notes the operating hours are 7am to 6pm Monday to Friday and 7am to 12noon on Saturdays during October to March. In terms of equipment a mobile wood cutting machine works on average 4 hours per week and 3 floodlights would operate in the yard during winter hours. A Hertz and a Froiling boiler were installed in Sheds 1 and 3 respectively and are used for wood drying and the boilers operate approximately 1500 hours per year.

A screening tool and emissions calculations for both boilers were also submitted in term of air quality impacts.

A Biomass Boiler Information form with technical specifications and a Non-domestic Renewable Heat Incentive Emissions Certificate for each boiler were submitted.

A number of photographs depicting the buildings currently located on the site where submitted alongside the application.

Consultations

Scottish Environment Protection Agency - Offers no objection to the proposal in terms of air quality impacts.

Angus Council Environmental Health - Offers no objection to the proposal in terms of land contamination or amenity subject to conditions to regulate the timing of deliveries, noise levels from the proposal, the model of boilers and the type of woodchip used.

Health & Safety Executive - Do not advise against the granting of planning permission on safety grounds in this case.

Shell Oil Co - Do not advise against the granting of planning permission on safety grounds in this case.

Community Council - There was no response from this consultee at the time of report preparation.

Angus Council - Roads - Offers no objection to the proposal.

Scottish Water - There was no response from this consultee at the time of report preparation.

INEOS FPS Ltd - Advise that the safety and integrity of their pipeline would not be affected by the development.

Representations

There were no letters of representation.

Development Plan Policies

Angus Local Development Plan 2016

Policy DS1: Development Boundaries and Priorities

Policy DS4: Amenity

Policy TC15: Employment Development

Policy PV6: Development in the Landscape

Policy PV9: Renewable and Low Carbon Energy Development
Policy PV15: Drainage Infrastructure
Policy PV20: Soils and Geodiversity
Policy PV21: Pipeline Consultation Zones

TAYplan Strategic Development Plan

The proposal is not of strategic significance and policies of TAYplan are not referred to in this report.

The full text of the relevant development plan policies can be viewed at Appendix 1 to this report.

Assessment

Sections 25 and 37(2) of the Town and Country Planning (Scotland) Act 1997 require that planning decisions be made in accordance with the development plan unless material considerations indicate otherwise.

The application relates to the operation of a biomass fuel production business and associated development in the countryside and the operation is located around an existing former farm court that lies to the northwest of Padanaram. The application site is not allocated or safeguarded for any particular use in the Angus Local Development Plan (ALDP). Policy DS1 in the ALDP states that outwith development boundaries, proposals will be supported where they are of a scale and nature appropriate to the location and where they accord with other relevant policies in the ALDP.

Policy TC15 relates to Employment Development and the policy indicates that proposals for employment development outwith development boundaries will only be supported where there are no sites available within an allocated or existing employment area within a development boundary; or where the use is considered to be acceptable in that location and there is no unacceptable impact on the built or natural environment, surrounding amenity, access and infrastructure. It also requires the scale and nature of the development to be in keeping with the character of the local landscape and pattern of development; and the proposal constitutes rural diversification subject to certain prescribed limitations including uses which are by their very nature appropriate to the rural character of the area or where there is an economic and/or operational need for the location.

The business has been in situ and has operated at the site for a reasonably long period of time. The business has grown organically from an original farm court without the necessary permissions. The proposal originated on a brownfield site which has good connections to the local road network (ideal for the distribution of the product) and is sufficiently distant from the nearby residential properties within Padanaram to avoid significant impacts on amenity. The proposal represents a diversification of the Dragonhall Farm business. Therefore it is considered that the use is acceptable in this location; subject to conditions setting certain limitations, and would constitute rural diversification where the use is appropriate to the rural character of the area.

Impacts upon the built or natural environment, amenity, access, character of the local landscape and pattern of development are discussed below.

Policy PV6 indicates that Angus Council will seek to protect and enhance the quality of the landscape in Angus. In terms of landscape and visual impacts, the existing structures utilised by the business and the proposed extensions to those structures combined with other ancillary elements are utilitarian and functional in appearance and would be viewed within the context of an existing industrial complex that has an outward appearance that is not dissimilar to a farm court. The proposed flues however would extend 13m above ground level. Although taller than the existing structures on the site the flues would be restricted to 0.25m in diameter and as such would not significantly impact on any sensitive viewpoints. The drying floor extension would be finished in green profile sheeting and concrete panel walls to replicate the existing building. The kiln extension is to be finished in zinc profile sheeting. The proposed materials would be acceptable for a development of this nature and within the context of this site. The landscape impacts associated with the development would be localised with negligible impacts in the wider landscape beyond the surrounding fields due to the nature of the surrounding landform. The storage of logs on the land surrounding the periphery of the site is likely to result in the greatest visual

impact, however this use relates to the storage of a natural material in a countryside location which is also a localised impact. Nonetheless a condition is proposed to ensure landscaping is provided to partially mitigate and soften the appearance of the expanse of stored logs.

In terms of amenity, it is noted the proposal is located around 140m from the nearest residential dwellings. The Council's Environmental Health Service and SEPA have reviewed the proposal and relevant supporting information relating to sensory impacts and neither consultee offers objection to the proposal. Environmental Health have suggested conditions to regulate the hours of operation, the noise from activities and fixed plant within the site, the model of boilers and the type of fuel used, all in order to protect amenity. As the existing flues do not perform in compliance with the Air Quality Objectives it is also relevant to attach a condition which requires the proposed replacement flues to be installed within 6 months of the date of the permission, in the interests of air quality and amenity. Subject to appropriate conditions being attached, the development would not give rise to any unacceptable amenity impacts.

The proposal would utilise the existing access, parking, foul drainage and waste arrangements at the site. The Roads Service has reviewed the proposal and offers no objection in respect of potential road safety impacts or in terms of roads capacity issues. SUDS are proposed to manage surface water run-off from the proposed extensions. The Council's Contaminated Land Officer had reviewed the proposal and is satisfied the site does not pose a significant risk of harm arising from land contamination issues.

The proposal includes the installation of solar panels on the roof of the Shed 1. The applicant has provided details which indicates these would benefit from permitted development rights and as such no further assessment is made in relation to these works.

Policy PV20 Soils and Geodiversity notes that development proposals on prime agricultural land will only be supported where they; support delivery of the development strategy and policies in this local plan; are small scale and directly related to a rural business or mineral extraction; or constitute renewable energy development. The Policy also states that the design and layout of proposals should minimise agricultural land required for development and should not render any farm unit unviable. The proposal relates to a biomass fuel production business operating from a former farm court. The proposal has expanded beyond the extents of the former farm court where the newly incorporated areas relate mainly to space for the storage of logs and as such the proposal does not involve the irreversible use of agricultural land. The proposal does not render the surrounding operational agricultural land unviable. The proposal would relate to a business deemed suitable in the rural location. The proposal does not conflict with the aims of Policy PV20.

Policy PV21 relates to pipeline consultation zones and states that the determination of planning applications in these zones would be made in light of advice from the Health and Safety Executive (HSE). The application site falls within the buffer of the Shell pipeline. Shell, INEOS and HES have reviewed the proposal and offer no objection.

In conclusion the proposal is generally compatible with the relevant policies of the local plan, subject to conditions. There are no material considerations that warrant refusal of the application.

No legal agreement is required.

Human Rights Implications

The decision to grant permission/consent, subject to conditions, has potential implications for neighbours in terms of alleged interference with privacy, home or family life (Article 8) and peaceful enjoyment of their possessions (First Protocol, Article 1). For the reasons referred to elsewhere in this report justifying this decision in planning terms, it is considered that any actual or apprehended infringement of such Convention Rights, is justified. The conditions constitute a justified and proportional control of the use of the property in accordance with the general interest and have regard to the necessary balance of the applicant's freedom to enjoy his property against the public interest and the freedom of others to enjoy neighbouring property/home life/privacy without undue interference.

Equalities Implications

The issues contained in this report fall within an approved category that has been confirmed as exempt from an equalities perspective.

Decision

The application is approved subject to conditions

Reason(s) for Decision:

1. The proposal complies with the relevant policies of the local development plan subject to condition(s). There are no material considerations that justify refusal of planning permission.

Conditions:

1. Within 3 months of the date of this permission a scheme for landscaping of the site, including tree and hedge screening shall be submitted to and approved in writing by the planning authority. For the avoidance of doubt the soft landscaping scheme shall include a substantial landscape buffer located along the eastern site boundary consisting of an area at least 5m wide, fenced off with animal proof fencing and containing tree and shrub planting incorporating evergreen trees and shrubs to provide year round landscape mitigation. Thereafter the agreed scheme shall be completed no later than the first planting season following approval of the submitted scheme. Any trees or shrubs removed, dying, being severely damaged or becoming seriously diseased within 5 years shall be replaced by trees or shrubs of similar size and species to those originally approved in terms of this condition. The landscaping shall thereafter be maintained for as long as the use hereby approved endures at the site.

Reason: In the interest of the visual amenity of the area.

2. Within 6 months from the date of this permission the flues serving the biomass boilers associated with the biomass production operation shall be replaced with flues with stacks no less than 0.25 metres in diameter that terminate 13 metres in height above ground level and with no rain cap or cowl.

Reason: In order to ensure the flues installed on the buildings releases emissions from the existing biomass boilers at a level that is in compliance with the Air Quality Strategy, in the interests of air quality and amenity.

3. Notwithstanding the provisions of the Town and Country Planning (Use Classes) (Scotland) Order 1997 or the Town and Country Planning (General Permitted Development) (Scotland) Order 1992 (as amended) or any other subsequent revoking, amending or replacing Development Orders, the site and buildings within the site shall be used solely in connection with the Biomass Fuel Production business and shall not be used for any other purpose other than agricultural use without the further granting of planning permission from the planning authority following the submission of an application of planning permission.

Reason: In order to prevent the use of the site or buildings for an alternative activity that could give rise to materially different impacts on the amenity of the area without full consideration of the acceptability of those impacts by the planning authority.

4. Operations associated with the development including deliveries to and from the site, shall be limited to Monday to Friday 0700 - 1900 and Saturday 0700 - 1300 only.

Reason: To protect local residents from disturbance associated with the operations within the application site in the interests of amenity.

5. Noise from activities within the development site shall not exceed 45 dB L_{Ar,Tr} as measured and assessed within the external amenity area of any noise sensitive property and in accordance with BS 4142:2014 Methods for rating and assessing industrial and commercial sound.

Reason: To protect local residents from noise emissions associated with the activities carried out within the application site in the interests of amenity.

6. Noise from fixed plant within the development site shall not exceed NR Curve 30 between 0700 and 2200 and NR Curve 20 at all other times as measured within any dwelling or noise sensitive premises with the windows open at least 50mm.

Reason: To protect local residents from noise emissions associated with the fixed plant within the application site in the interests of amenity.

7. The biomass boilers installed at the site shall be a 1 no. Froling Lambdamat 1000 and 1 no. Herz Biofire 995 unless information is submitted to and approved in writing by the planning authority which adequately demonstrates that emissions from the products of combustion exiting the flues associated with any alternative boiler(s) will meet all relevant Air Quality Objectives in respect of cumulative emissions of NO₂ and PM₁₀ as laid down in the current Air Quality Strategy.

Reason: To ensure the air pollutants associated with the development comply with the Air Quality Strategy in the interests of air quality and amenity.

8. The fuel used in the boilers shall be woodchip with a maximum moisture content of 35% dry weight.

Reason: To ensure the air pollutants associated with the development comply with the Air Quality Strategy in the interests of air quality and amenity.

Notes:

1. SEPA has advised that it is likely that the net rated thermal input from the biomass boilers at the site is greater than 1MW therefore the units would be subject to SEPA's controls for medium combustion plant under the Pollution Prevention and Control (PPC) Regulations. However as the boilers were put into operation before December 2018 they will not need to be permitted until 2029. The applicant should contact SEPA to confirm the net rated thermal input so that SEPA can clarify whether any other thresholds under PPC are triggered.

Case Officer: Stephanie Porter
Date: 18 November 2019

Appendix 1 - Development Plan Policies

Angus Local Development Plan 2016

Policy DS1: Development Boundaries and Priorities

All proposals will be expected to support delivery of the Development Strategy.

The focus of development will be sites allocated or otherwise identified for development within the Angus Local Development Plan, which will be safeguarded for the use(s) set out. Proposals for alternative uses will only be acceptable if they do not undermine the provision of a range of sites to meet the development needs of the plan area.

Proposals on sites not allocated or otherwise identified for development, but within development boundaries will be supported where they are of an appropriate scale and nature and are in accordance with relevant policies of the ALDP.

Proposals for sites outwith but contiguous* with a development boundary will only be acceptable where it is in the public interest and social, economic, environmental or operational considerations confirm there is a need for the proposed development that cannot be met within a development boundary.

Outwith development boundaries proposals will be supported where they are of a scale and nature appropriate to their location and where they are in accordance with relevant policies of the ALDP.

In all locations, proposals that re-use or make better use of vacant, derelict or under-used brownfield land or buildings will be supported where they are in accordance with relevant policies of the ALDP.

Development of greenfield sites (with the exception of sites allocated, identified or considered appropriate for development by policies in the ALDP) will only be supported where there are no suitable and available brownfield sites capable of accommodating the proposed development.

Development proposals should not result in adverse impacts, either alone or in combination with other proposals or projects, on the integrity of any European designated site, in accordance with Policy PV4 Sites Designated for Natural Heritage and Biodiversity Value.

*Sharing an edge or boundary, neighbouring or adjacent

Policy DS4: Amenity

All proposed development must have full regard to opportunities for maintaining and improving environmental quality. Development will not be permitted where there is an unacceptable adverse impact on the surrounding area or the environment or amenity of existing or future occupiers of adjoining or nearby properties.

Angus Council will consider the impacts of development on:

- Air quality;
- Noise and vibration levels and times when such disturbances are likely to occur;
- Levels of light pollution;
- Levels of odours, fumes and dust;
- Suitable provision for refuse collection / storage and recycling;
- The effect and timing of traffic movement to, from and within the site, car parking and impacts on highway safety; and
- Residential amenity in relation to overlooking and loss of privacy, outlook, sunlight, daylight and overshadowing.

Angus Council may support development which is considered to have an impact on such considerations, if the use of conditions or planning obligations will ensure that appropriate mitigation and / or compensatory measures are secured.

Applicants may be required to submit detailed assessments in relation to any of the above criteria to the Council for consideration.

Where a site is known or suspected to be contaminated, applicants will be required to undertake investigation and, where appropriate, remediation measures relevant to the current or proposed use to prevent unacceptable risks to human health.

Policy TC15: Employment Development

Proposals for new employment development (consisting of Class 4, 5, or 6) will be directed to employment land allocations or existing employment areas within development boundaries, subject to the application of the sequential approach required by Policy TC19 Retail and Town Centre Uses for office developments of over 1,000 square metres gross floorspace.

Proposals for employment development outside of employment land allocations or existing employment areas, but within the development boundaries of the towns and the settlements within the rural area will be supported where:

- o there are no suitable or viable sites available within an employment land allocation or existing employment area; or

- o the use is considered to be acceptable in that location; and
- o there is no unacceptable impact on the built and natural environment, surrounding amenity, access and infrastructure.

Proposals for employment development (consisting of Class 4, 5, or 6) outwith development boundaries will only be supported where:

- o the criteria relating to employment development within development boundaries are met;
- o the scale and nature of the development is in keeping with the character of the local landscape and pattern of development; and
- o the proposal constitutes rural diversification where:
 - o the development is to be used directly for agricultural, equestrian, horticultural or forestry operations, or for uses which by their nature are appropriate to the rural character of the area; or
 - o the development is to be used for other business or employment generating uses, provided that the Council is satisfied that there is an economic and/or operational need for the location.

Policy PV6: Development in the Landscape

Angus Council will seek to protect and enhance the quality of the landscape in Angus, its diversity (including coastal, agricultural lowlands, the foothills and mountains), its distinctive local characteristics, and its important views and landmarks.

Capacity to accept new development will be considered within the context of the Tayside Landscape Character Assessment, relevant landscape capacity studies, any formal designations and special landscape areas to be identified within Angus. Within the areas shown on the proposals map as being part of 'wild land', as identified in maps published by Scottish Natural Heritage in 2014, development proposals will be considered in the context of Scottish Planning Policy's provisions in relation to safeguarding the character of wild land.

Development which has an adverse effect on landscape will only be permitted where:

- o the site selected is capable of accommodating the proposed development;
- o the siting and design integrate with the landscape context and minimise adverse impacts on the local landscape;
- o potential cumulative effects with any other relevant proposal are considered to be acceptable; and
- o mitigation measures and/or reinstatement are proposed where appropriate.

Landscape impact of specific types of development is addressed in more detail in other policies in this plan and work involving development which is required for the maintenance of strategic transport and communications infrastructure should avoid, minimise or mitigate any adverse impact on the landscape.

Further information on development in the landscape, including identification of special landscape and conservation areas in Angus will be set out in a Planning Advice Note.

Policy PV9: Renewable and Low Carbon Energy Development

Proposals for renewable and low carbon energy development* will be supported in principle where they meet the following criteria:

- o the location, siting and appearance of apparatus, and any associated works and infrastructure have been chosen and/or designed to minimise impact on amenity, landscape and environment, while respecting operational efficiency;
- o access for construction and maintenance traffic can be achieved without compromising road safety or causing unacceptable change to the environment and landscape;
- o the site has been designed to make links to the national grid and/or other users of renewable energy and heat generated on site;
- o there will be no unacceptable impact on existing or proposed aviation, defence, seismological or

- o telecommunications facilities;
- o there will be no unacceptable adverse impact individually or cumulatively with other existing or proposed development on:
- o landscape character, setting within the immediate and wider landscape (including cross boundary or regional features and landscapes), sensitive viewpoints and public access routes;
- o sites designated for natural heritage (including birds), scientific, historic, cultural or archaeological reasons;
- o any populations of protected species; and
- o the amenity of communities or individual dwellings including visual impact, noise, shadow flicker.
- o during construction, operation and decommissioning of the energy plant there will be no unacceptable impacts on:
 - o groundwater;
 - o surface water resources; or
 - o carbon rich soils, deep peat and priority peatland habitat or geodiversity.

Where appropriate mitigation measures must be supported by commitment to a bond commensurate with site restoration requirements.

Consideration may be given to additional factors such as contribution to targets for energy generation and emissions, and/or local socio-economic economic impact.

Supplementary guidance will be prepared to set out a spatial framework to guide the location of onshore wind farm developments, consistent with the approach set out in Table 1 of Scottish Planning Policy. It will also provide further detail on the factors which should be taken into account in considering and advising on proposals for all types of renewable energy development.

Prior to the adoption of that supplementary guidance, the Council will apply the principles and considerations set out in Scottish Planning Policy in assessing the acceptability of any planning applications for onshore wind farms.

*infrastructure, activity and materials required for generation, storage or transmission of energy where it is within the remit of the council as local planning authority (or other duty). Includes new sites, extensions and/or repowering of established sites for onshore wind.

Policy PV15: Drainage Infrastructure

Development proposals within Development Boundaries will be required to connect to the public sewer where available.

Where there is limited capacity at the treatment works Scottish Water will provide additional wastewater capacity to accommodate development if the Developer can meet the 5 Criteria*. Scottish Water will instigate a growth project upon receipt of the 5 Criteria and will work with the developer, SEPA and Angus Council to identify solutions for the development to proceed.

Outwith areas served by public sewers or where there is no viable connection for economic or technical reasons private provision of waste water treatment must meet the requirements of SEPA and/or The Building Standards (Scotland) Regulations. A private drainage system will only be considered as a means towards achieving connection to the public sewer system, and when it forms part of a specific development proposal which meets the necessary criteria to trigger a Scottish Water growth project.

All new development (except single dwelling and developments that discharge directly to coastal waters) will be required to provide Sustainable Drainage Systems (SUDs) to accommodate surface water drainage and long term maintenance must be agreed with the local authority. SUDs schemes can contribute to local green networks, biodiversity and provision of amenity open space and should form an integral part of the design process.

Drainage Impact Assessment (DIA) will be required for new development where appropriate to identify potential network issues and minimise any reduction in existing levels of service.

*Enabling Development and our 5 Criteria (<http://scotland.gov.uk/Resource/0040/00409361.pdf>)

Policy PV20: Soils and Geodiversity

Development proposals on prime agricultural land will only be supported where they:

- o support delivery of the development strategy and policies in this local plan;
- o are small scale and directly related to a rural business or mineral extraction; or
- o constitute renewable energy development and are supported by a commitment to a bond commensurate with site restoration requirements.

Design and layout should minimise land required for development proposals on agricultural land and should not render any farm unit unviable.

Development proposals affecting deep peat or carbon rich soils will not be allowed unless there is an overwhelming social or economic need that cannot be met elsewhere. Where peat and carbon rich soils are present, applicants should assess the likely effects of development proposals on carbon dioxide emissions.

All development proposals will incorporate measures to manage, protect and reinstate valuable soils, groundwater and soil biodiversity during construction.

Policy PV21: Pipeline Consultation Zones

Decisions on whether to grant planning permission for development proposals within the pipeline consultation zones shown on the proposals map will be taken in light of the views and advice of the Health and Safety Executive.

TAYplan Strategic Development plan

The proposal is not of strategic significance and policies of TAYplan are not referred to in this report.



Shell U.K. Limited
Orchardbank Industrial Estate
FORFAR
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DD8 1TD
United Kingdom

Tel +44 1307 462225
Internet <http://www.shell.co.uk>

Stephanie Porter
Angus House
Planning Service
Orchardbank Business Park
Forfar
DD8 1AN

02nd April 2019

Our ref: UPO/W/PTT/FM
Your ref: 18/00565/FULL

Dear Sir / Madam,

Planning Application: 18/00565/FULL

Proposal: Retrospective Change of Use of Buildings and Land to Use as part of Biomass Fuel Production Business, including siting of Portable Site Office and Proposed Erection of Storage Bays and Extension to Existing Shed

Address: Dragonhall Farm Padanaram Forfar DD8 1PX
Grid Reference: 342307, 751714
Applicant Name: Angus Biofuels
Applicant Address: Mr Steven Watson Unit 3 Eco Park Carseview Road Forfar DD8 3BS

Thank you for your recent consultation regarding the above planning application.

From the information provided, there is no reason why the development and associated construction works would directly affect our pipeline servitude strip or safety and integrity of our pipeline.

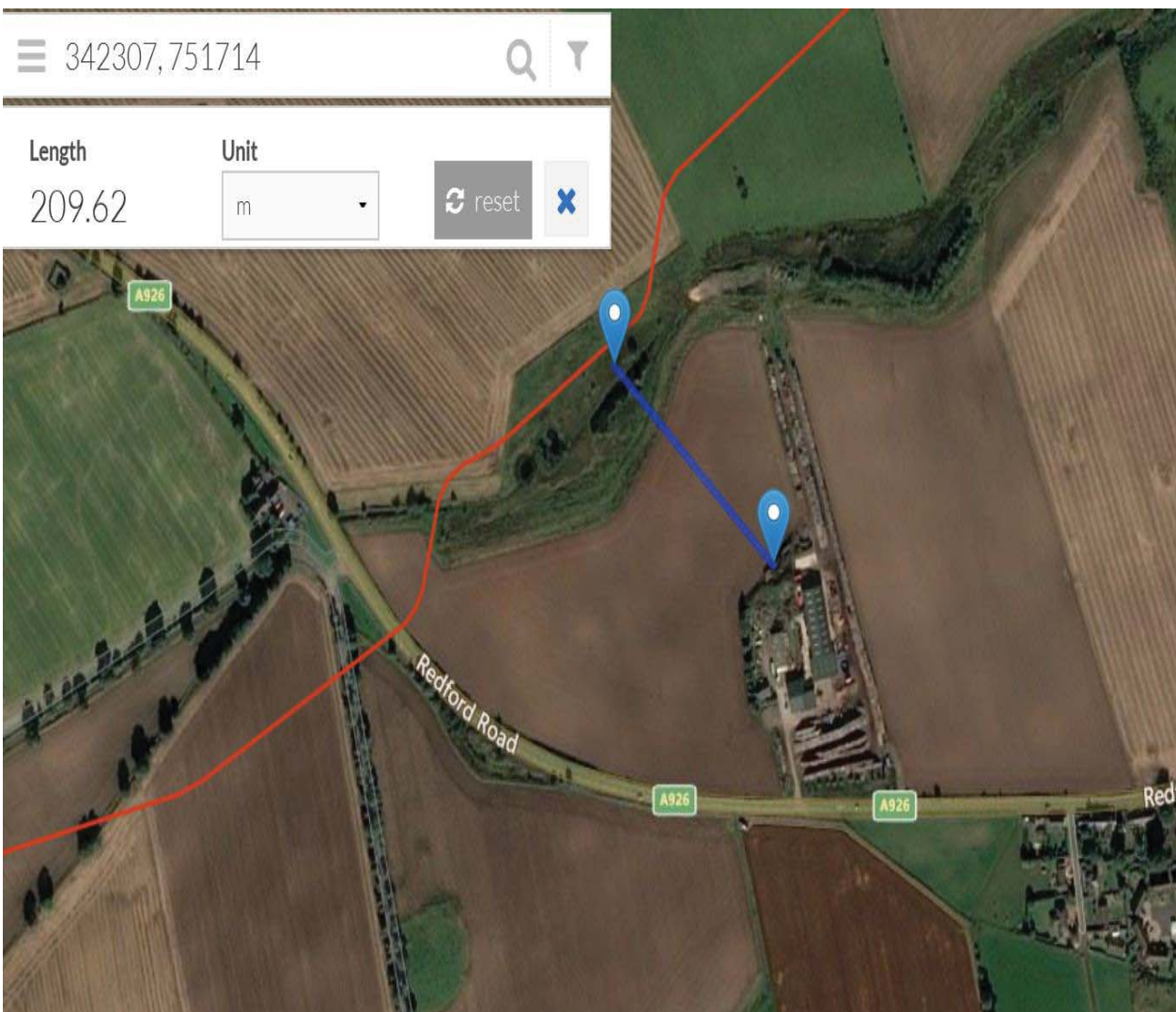
However the developer should be made aware that we should be consulted prior to anything associated with work that would need to cross our pipeline.

Yours faithfully

Shell U.K. Limited

Forbes Masterton

Shell ROW Inspector South





INEOS FPS Ltd
Wayleaves Management
PO Box 21746
Callendar Business Park
Callendar Road
Falkirk
FK1 1XR

FREEPHONE: 0800 281279

www.ineos.com

16 April 2019

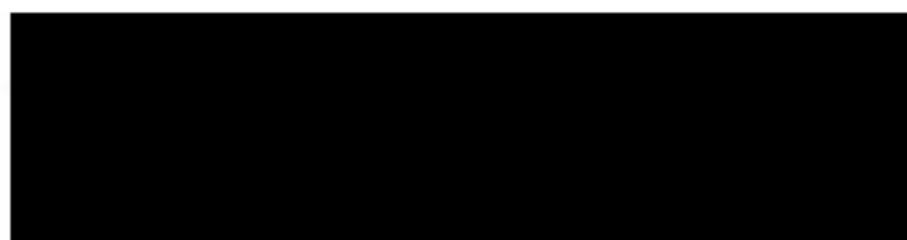
Dear Sir/Madam,

Planning Application Reference: 18/00565/FULL
Proposal: Retrospective Change of Use of Buildings and Land to Use as part of Biomass Fuel Production Business, including siting of Portable Site Office and Proposed Erection of Storage Bays and Extension to Existing Shed
Location: Dragonhall Farm Padanaram Forfar DD8 1PX
Grid Reference: E342307 N751714

We thank you for your email sent on 04th April 2019 relating to the above planning application.


We advise you as the safety and engineering integrity of the INEOS FPS Forties Pipeline will not be affected by the proposed development, we have no comment to make on the application.

Yours Faithfully



Ken Lowson

INEOS FPS Wayleaves Team
INEOS FPS Limited

 Freephone: +44 800 28 12 79

 Email: fpspipelinesenquiries@ineos.com

Stephanie Porter
Angus Council
Angus House
Orchardbank Business Park
Forfar
DD8 1AN

If telephoning ask for:
Anna Gaffney

By email only to: PLNProcessing@angus.gov.uk

18 April 2019

Dear Ms Porter

**TOWN AND COUNTRY PLANNING (SCOTLAND) ACTS
PLANNING APPLICATION: 18/00565/FULL
RETROSPECTIVE CHANGE OF USE OF BUILDINGS AND LAND TO USE AS PART
OF BIOMASS FUEL PRODUCTION BUSINESS, INCLUDING SITING OF PORTABLE
SITE OFFICE AND PROPOSED ERECTION OF STORAGE BAYS AND EXTENSION
TO EXISTING SHED
DRAGONHALL FARM PADANARAM FORFAR DD8 1PX**

Thank you for your consultation email which SEPA received on 28 March 2019.

Advice for the planning authority

We have **no objection** to this planning application. We note that this development proposal does not appear to be burning the biomass, only preparing it. However if the development proposals are understood differently by the planning authority, please re-consult SEPA specifying the issue which you are seeking comments from us. Please note the advice provided below.

We regulate a number of matters covered by standing advice including, surface water drainage, waste management and water environment engineering. If developments contain these elements, the applicant should be referred to the [planning section](#) of the SEPA website at so that they can ensure their proposals will meet all relevant regulatory requirements.

Best practice advice in relation to pollution prevention can also be found in our series of Pollution Prevention Guidelines.

Detailed advice for the applicant

1. Drainage

- 1.1 We note that it appears that surface water will be harvested by irrigation pond. We would advise that SEPA promotes rainwater harvesting wherever possible.

Regulatory advice for the applicant

2. Regulatory requirements

- 2.1 Authorisation is required under The Water Environment (Controlled Activities) (Scotland) Regulations 2011 (CAR) to carry out engineering works in or in the vicinity of inland surface waters (other than groundwater) or wetlands. Inland water means all standing or flowing water on the surface of the land (e.g. rivers, lochs, canals, reservoirs).
- 2.2 Management of surplus peat or soils may require an exemption under The Waste Management Licensing (Scotland) Regulations 2011. Proposed crushing or screening will require a permit under The Pollution Prevention and Control (Scotland) Regulations 2012. Consider if other environmental licences may be required for any installations or processes.
- 2.3 A Controlled Activities Regulations (CAR) construction site licence will be required for management of surface water run-off from a construction site, including access tracks, which:
- is more than 4 hectares,
 - is in excess of 5km, or
 - includes an area of more than 1 hectare or length of more than 500m on ground with a slope in excess of 25°

See SEPA's [Sector Specific Guidance: Construction Sites \(WAT-SG-75\)](#) for details. Site design may be affected by pollution prevention requirements and hence we strongly encourage the applicant to engage in pre-CAR application discussions with a member of the regulatory services team in your local SEPA office.

- 2.4 Below these thresholds you will need to comply with [CAR General Binding Rule 10](#) which requires, amongst other things, that all reasonable steps must be taken to ensure that the discharge does not result in pollution of the water environment. The detail of how this is achieved may be required through a planning condition.
- 2.5 Details of regulatory requirements and good practice advice for the applicant can be found on the [Regulations section](#) of our website. If you are unable to find the advice you need for a specific regulatory matter, please contact a member of the regulatory services team in your local SEPA office at:

SEPA, 62 High Street, Arbroath, DD11 1AW. Tel: 01241 874370

If you have any queries relating to this letter, please contact me by e-mail at Planning.SE@sepa.org.uk.

Yours sincerely

Anna Gaffney
Senior Planning Officer
Planning Service



Chairman
Bob Downes

Chief Executive
Terry A'Hearn

Perth Strathearn House

Broxden Business Park,
Lamberkine Drive, Perth, PH1 1RX
tel 01738 627989

www.sepa.org.uk • customer enquiries 03000 99 66 99

Disclaimer

This advice is given without prejudice to any decision made on elements of the proposal regulated by us, as such a decision may take into account factors not considered at this time. We prefer all the technical information required for any SEPA consents to be submitted at the same time as the planning or similar application. However, we consider it to be at the applicant's commercial risk if any significant changes required during the regulatory stage necessitate a further planning application or similar application and/or neighbour notification or advertising. We have relied on the accuracy and completeness of the information supplied to us in providing the above advice and can take no responsibility for incorrect data or interpretation, or omissions, in such information. If we have not referred to a particular issue in our response, it should not be assumed that there is no impact associated with that issue. For planning applications, if you did not specifically request advice on flood risk, then advice will not have been provided on this issue. Further information on our consultation arrangements generally can be found on our [website planning pages](#).



Chairman
Bob Downes

Chief Executive
Terry A'Hearn

Perth Strathearn House

Broxden Business Park,
Lamberkine Drive, Perth, PH1 1RX
tel 01738 627989

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From: [Milne, Alasdair](#)
To: [PorterSG](#)
Subject: RE: Planning Application Consultation Response to ref: 18/00565/FULL
Date: 19 September 2019 13:33:01

Stephanie,

Further to your email of 11 September, I have discussed this further with colleagues in our regulatory team and can confirm that our position remains one of no objection. We would offer the following comments in relation to the regulatory framework surrounding this activity which we hope will be of assistance to you and the applicant.

We note the biomass combustion activities which are being undertaken on site, the supplementary information from the applicants describes

“Two biomass installations: Froiling 1000 installed in 2014, Herz 995 installed March 2017. Both biomass boilers used for drying various types of agricultural and forestry crops. Approximate running hours per annum 1500 each”

SEPA’s permitting requirements only apply to combustion units greater than 1MW (**net rated thermal input**) – more detail is on our [website](#) Medium Combustion Plan (MCP) page

If the 1000/995 is a kw output rating (as per industry standard) then it is likely that the net rated thermal input is >1MW so the units would be subject to SEPA’s controls for medium combustion plant under the Pollution Prevention and Control (PPC) Regulations, however as they were put into operation before December 2018 they will not need to be permitted until 2029 – again please see our website for more detail. We would ask that the applicant confirm the net rated thermal input so that we can be certain that no other thresholds under PPC are triggered.

SEPA’s regulatory remit in relation to MCP are limited in that Best Available Techniques (BAT) doesn’t apply and we have cannot require any assessment of stack heights in relation to local air quality – this would be up to the local authority to pursue and we would highlight this to you. Again as the boilers were installed some time ago it may be that this was subject to planning and assessed at the time.

I trust these additional comments are of assistance – please do not hesitate to contact me if you require any further information.

Regards
Alasdair

Alasdair Milne
Senior Planning Officer
Scottish Environment Protection Agency
Strathallan House
Castle Business Park
Stirling
FK9 4TZ

Telephone 01786 452537

www.sepa.org.uk

Disclaimer

This advice is given without prejudice to any decision made on elements of the proposal regulated by us, as such a decision may take into account factors not considered at this time. We prefer all the technical information required for any SEPA consents to be submitted at the same time as the planning or similar application. However, we consider it to be at the applicant's commercial risk if any significant changes required during the regulatory stage necessitate a further planning application or similar application and/or neighbour notification or advertising. We have relied on the accuracy and completeness of the information supplied to us in providing the above advice and can take no responsibility for incorrect data or interpretation, or omissions, in such information. If we have not referred to a particular issue in our response, it should not be assumed that there is no impact associated with that issue. For planning applications, if you did not specifically request advice on flood risk, then advice will not have been provided on this issue. Further information on our consultation arrangements generally can be found on our [website planning pages](#).

From: PorterSG <PorterSG@angus.gov.uk>

Sent: 11 September 2019 15:23

To: Planning South East <Planning.SE@SEPA.org.uk>

Subject: Planning Application Consultation Response to ref: 18/00565/FULL

FAO: Anna Gaffney

Dear Sirs

I write in relation to a consultation response received from SEPA to a planning application at Dragonhall Farm, Padanaram (ref: 18/00565/FULL). I have attached this response for reference.

The attached response notes that SEPA understood there would be no burning of biomass on the site, only bio mass fuel preparation. The applicant has since clarified that there are 2 biomass boilers at the site used for drying crops. I have attached the additional information submitted by the applicant in relation to these boilers.

Would the use of these biomass boilers on the site alter SEPA's original response?

I trust this clarifies the situation but if you have any questions please do not hesitate to contact me.

Kind Regards

Stephanie Porter | Planning Officer | Place | Planning | Angus Council | Angus House | Orchardbank Business Park | Forfar, DD8 1AN | (01307 492378)

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Angus
County Buildings Market Street
Forfar
Angus
DD8 3LG



Advice : HSL-190423114813-269 DO NOT ADVISE AGAINST

Your Ref: 18/00565/FULL

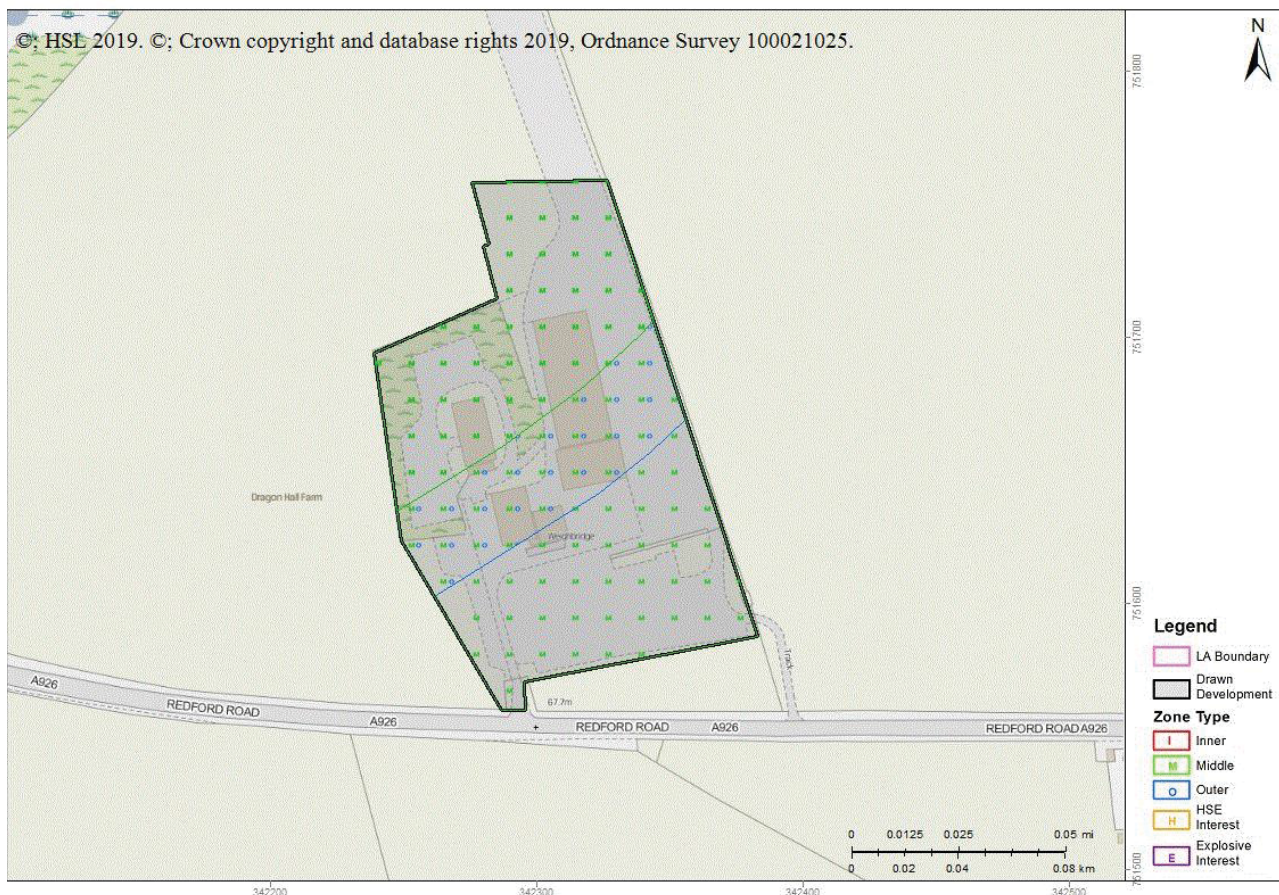
Development Name: Retrospective Change of Use of Buildings and Land to Use as part of Biomass Fuel Production Business, including siting of Portable Site Office and Proposed Erection of Storage Bays and Extension to Existing Shed

Comments: Dragonhall Farm Padanaram Forfar DD8 1PX

Land Use Planning Consultation with Health and Safety Executive [Town and Country Planning (Development Management Procedure) (England) Order 2015, Town and Country Planning (Development Management Procedure) (Wales) Order 2012, or Town and Country Planning (Development Management Procedure) (Scotland) Regulations 2013]

The Health and Safety Executive (HSE) is a statutory consultee for certain developments within the Consultation Distance of Major Hazard Sites/ pipelines. This consultation, which is for such a development and is within at least one Consultation Distance, has been considered using HSE's planning advice web app, based on the details input on behalf of Angus.

HSE's Advice: Do Not Advise Against, consequently, HSE does not advise, on safety grounds, against the granting of planning permission in this case.



Commercial In Confidence

Breakdown:

Workplaces DAA

Is it a workplace specifically for people with disabilities, e.g. sheltered workshops? No

Are there 100 or more occupants in any individual workplace building (that lie partly or wholly within a consultation distance)? No

Are there 3 or more occupied storeys in any workplace building (that lie partly or wholly within a consultation distance)? No



Pipelines

6776_ Shell UK Exploration & Production 9007_ Ineos FPS Ltd (pka BP Exploration Operating Co Ltd)

As the proposed development is within the Consultation Distance of a major hazard pipeline you should consider contacting the pipeline operator before deciding the case. There are two particular reasons for this:

- The operator may have a legal interest (easement, wayleave etc.) in the vicinity of the pipeline. This may restrict certain developments within a certain proximity of the pipeline.
- The standards to which the pipeline is designed and operated may restrict occupied buildings or major traffic routes within a certain proximity of the pipeline. Consequently there may be a need for the operator to modify the pipeline, or its operation, if the development proceeds.

HSE's advice is based on the situation as currently exists, our advice in this case will not be altered by the outcome of any consultation you may have with the pipeline operator.

This advice report has been generated using information supplied by Damian Brennan at Angus on 23 April 2019.

Note that any changes in the information concerning this development would require it to be re-submitted.

From: [GrahamIH](#)
To: [PorterSG](#)
Subject: 18/00565/FULL - Dragonhall Farm, Padanaram
Date: 01 May 2019 16:26:40

Steph

I am currently looking at the information submitted in respect of the above application. I note that the proposed shed extension includes a drying floor. Can I ask that the applicant provides details of the method of drying and whether or not this involves a biomass appliance.

Thanks

Iain

Iain Graham | Environmental Health Officer | Angus Council - Place | Housing, Regulatory and Protective Services | Angus House, Orchardbank Business Park, Forfar, DD8 1AN | 📞01307 492026

From: [GrahamIH](#)
To: [PorterSG](#)
Subject: 18/00565/FULL - Dragonhall Farm, Padanaram
Date: 20 May 2019 11:45:50

Steph

I refer to our recent conversation regarding the above application. I am aware that the original consent (07/00608/FUL) allows for the storage of biomass material however I understand that there may be processing operations currently being undertaken and which the applicants may be seeking to expand that are not lawful in terms of this consent. At this stage I would therefore ask that full information be provided in terms of both existing and proposed activities so that any amenity impacts can be fully assessed where appropriate. The information that I would ask to be submitted is:

1. An outline of existing and proposed operations at the site including HGV movements to and from the site.
2. Hours of operation including HGV movements to and from the site
3. Types and numbers of wood cutting machinery used on site
4. Location of the above wood cutting machinery
5. Details of any external lighting
6. Confirmation that there are no biomass burning installations, other than the HERZ Biofire 995 installed in 2017, on site

I trust this is satisfactory, however please do not hesitate to contact me if you wish to discuss anything further.

Regards

Iain

Iain Graham | Environmental Health Officer | Angus Council - Place | Housing, Regulatory and Protective Services | Angus House, Orchardbank Business Park, Forfar, DD8 1AN | 📞 01307 492026

From: [GrahamIH](#)
To: [PorterSG](#)
Subject: RE: Ref 18/00565/full
Date: 25 June 2019 10:19:28
Attachments: [biomass info v4 draft.doc](#)

Hi Steph

I appreciate that the majority of operations at the site have been undertaken for a number of years without complaint however looking at the submitted information there is the potential for significant amenity impacts from noise and emissions to air to arise without suitable controls in place.

I am aware that a NIA was submitted in respect of the adjacent proposed Recycling Centre and I intend to use this to inform me regarding the noise climate at the nearest noise sensitive receptors with a view to setting appropriate noise limits and hours of operation conditions. With regards to air quality it is noted that two relatively large biomass boilers are operating at the site and as such an assessment of the cumulative air quality impacts requires to be undertaken in accordance with the relevant guidance document TG16. I have enclosed a boiler information template to assist in this regard and the screening assessment tool can be found at <http://laqm.defra.gov.uk/review-and-assessment/tools/emissions.html>

I trust you find the above satisfactory but please do not hesitate to contact me if you wish to discuss anything further at this stage.

Regards

Iain

Iain Graham | Environmental Health Officer | Angus Council - Place | Housing, Regulatory and Protective Services | Angus House, Orchardbank Business Park, Forfar, DD8 1AN | ☎01307 492026

From: PorterSG
Sent: 18 June 2019 10:49
To: GrahamIH
Subject: Ref 18/00565/full

Hi Iain

I've received the attached from Bill in relation to the above application at Dragonhall in response to your queries.

Would this be sufficient?

Kind Regards

Stephanie Porter | Planning Officer | Place | Planning | Angus Council | Angus House | Orchardbank Business Park | Forfar, DD8 1AN | (01307 492378)

From: Bill Watson [<mailto:bill@angusbiofuels.co.uk>]
Sent: 17 June 2019 17:36
To: PorterSG
Subject: Re: Site Layout ref 18/00565/ful

Afternoon Stephanie,

I handed a hard copy into reception on Thursday last week. Can you check there, if it is lost I will hand in another copy.

Regards Bill

Sent from my BlackBerry 10 smartphone on the O2 network.

From: PorterSG
Sent: Monday, 17 June 2019 4:32 PM
To: Bill Watson
Subject: RE: Site Layout ref 18/00565/ful

Good Afternoon Bill

Thank you for the site plan. That appears to have successfully been delivered.

I would still need the following details in response to comments received from the Environmental Health Service in relation to the above application;

- An outline of existing and proposed operations at the site including HGV movements to and from the site.
- Hours of operation including HGV movements to and from the site
- Types and numbers of wood cutting machinery used on site
- Location of the above wood cutting machinery
- Details of any external lighting
- Confirmation of biomass burning installations on site

I would also note the £100 advert fee is still outstanding.

I trust this clarifies the situation but if you have any question please do not hesitate to contact me.

Kind Regards

Stephanie

Stephanie Porter | Planning Officer | Place | Planning | Angus Council | Angus House | Orchardbank Business Park | Forfar, DD8 1AN | (01307 492378)

From: Bill Watson [<mailto:bill@angusbiofuels.co.uk>]
Sent: 12 June 2019 16:07
To: PorterSG
Subject: Site Layout ref 18/00565/ful

Afternoon Stephanie,

Please find attached a plan showing location of boilers for your information marked with a red X.

I will deliver a hard copy to reception as it sound like you are not getting my attachments to e mails.

Regards

Bill

Bill Watson

Mobile: 07976 820664



Woodchip Production, ESCO Heat Agreements, Installers of Biomass Boilers, Ceramic Filters and District Heating Schemes.

Angus Biofuels
Unit 1 – Eco Park
Carseview Road
Forfar
Angus
DD8 3BS

Tel: 01307 466699

Fax: 01307 462278

VAT Reg No: 905 2169 42



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From: [GrahamIH](#)
To: [PorterSG](#)
Cc: [ThomsonSD](#)
Subject: 18/00565/FULL Retrospective Change of Use of Buildings and Land to Use as part of Biomass Fuel Production Business, including siting of Portable Site Office and Proposed Erection of Storage Bays and Extension to Existing Shed
Date: 15 August 2019 14:47:07

Steph

I refer to the above application and would advise that I have looked at the information submitted and undertaken a site visit.

I understand that the applicant has operated his business from the application site for a number of years. It is noted that there are residential properties near to the site, however I am not aware of any relevant complaint history regarding amenity or nuisance. Notwithstanding the absence of complaints to date I am concerned that the site could accommodate larger more intensive operations in the future that could give rise to significant adverse impacts affecting nearby sensitive properties. To address these concerns and safeguard existing amenity levels this Service would therefore look to control hours of operation and noise levels by way of the planning conditions below. For your information the noise limit proposed has been derived using background noise levels obtained at the nearest noise sensitive property during a noise monitoring exercise undertaken in late 2016 as part of a feasibility study for the development of an adjacent site.

In respect of potential air quality impacts the applicant currently operates 2 biomass boilers from the site and in line with current guidance this Service requested the submission of an Air Quality Impact Screening Assessment. The screening assessment submitted compares worst case NO₂ and PM₁₀ emission levels against relevant air quality objectives and concludes that the flues serving both installations require to be increased in height to 13m above ground level. This Service would therefore request that conditions controlling the make and models of boilers together with flue dimensions and types of fuel be included in any consent granted.

Suggested Conditions

-

1. Operations associated with the development including deliveries to and from the site, shall be limited to Monday to Friday 0700 – 1900 and Saturday 0700 – 1300 only.
2. Noise from activities within the development site shall not exceed 45 dB L_A,_{Tr} as measured and assessed within the external amenity area of any noise sensitive property and in accordance with BS 4142:2014 Methods for rating and assessing industrial and commercial sound.
3. Noise from fixed plant within the development site shall not exceed NR Curve 30 between 0700 and 2200 and NR Curve 20 at all other times as measured within any dwelling or noise sensitive premises with the windows open at least 50mm.
4. The biomass boilers shall be a 1 no. Froling Lambdamat 1000 and 1 no. Herz Biofire 995 unless it is adequately demonstrated that an alternative

boiler(s) will meet all relevant Air Quality Objectives in respect of cumulative emissions of NO₂ and PM₁₀ as laid down in the current Air Quality Strategy.

5. The fuel used in the boilers shall be woodchip with a maximum moisture content of 35% dry weight.
6. All emissions to atmosphere from the biomass boiler shall be discharged vertically from flue stacks 0.25 metres in diameter and 13 metres in height above ground level, with no rain cap or cowl. The flues shall be installed to the aforementioned height within 3 months of the date of this permission

I trust that you find the above acceptable but please do not hesitate to contact me if you wish to discuss anything further.

Regards

Iain

-
-
-
-

Iain Graham | Environmental Health Officer | Angus Council - Place | Housing, Regulatory and Protective Services | Angus House, Orchardbank Business Park, Forfar, DD8 1AN | 📞01307 492026

From: [MilneAJ](#)
To: [PorterSG](#)
Subject: RE: Planning Application - 18/00565/FULL
Date: 12 September 2019 11:08:31

Hi Steph,

I've had a look but I'm satisfied that this site does not pose a significant risk of harm to the proposed use from land contamination. I do not require any further information regarding contaminated land.

Regards

Alan

Alan Milne, Environmental Protection Officer (EP Unit), **Angus Council, Place-RPS-Environmental Health**, Angus House, Orchardbank Business Park, Orchard Loan, FORFAR DD8 1AN Telephone: **01307 492287**

From: PorterSG
Sent: 11 September 2019 17:05
To: MilneAJ
Subject: Planning Application - 18/00565/FULL

Hi Alan

I'm not sure if I've asked you about this before but would you have any interest in this?

Kind Regards

Stephanie Porter | Planning Officer | Place | Planning | Angus Council | Angus House | Orchardbank Business Park | Forfar, DD8 1AN | (01307 492378)

From: [GwynneAG](#)
To: [PorterSG](#)
Subject: RE: Planning Application - 18/00565/FULL
Date: 12 September 2019 11:50:04

Steph

No objections to this application

Regards

Adrian

From: PorterSG
Sent: 11 September 2019 14:56
To: GwynneAG
Subject: Planning Application - 18/00565/FULL

Hi Adrian

Doesn't look like I have a Roads response to this one?



Kind Regards

Stephanie Porter | Planning Officer | Place | Planning | Angus Council | Angus House |
Orchardbank Business Park | Forfar, DD8 1AN | (01307 492378)



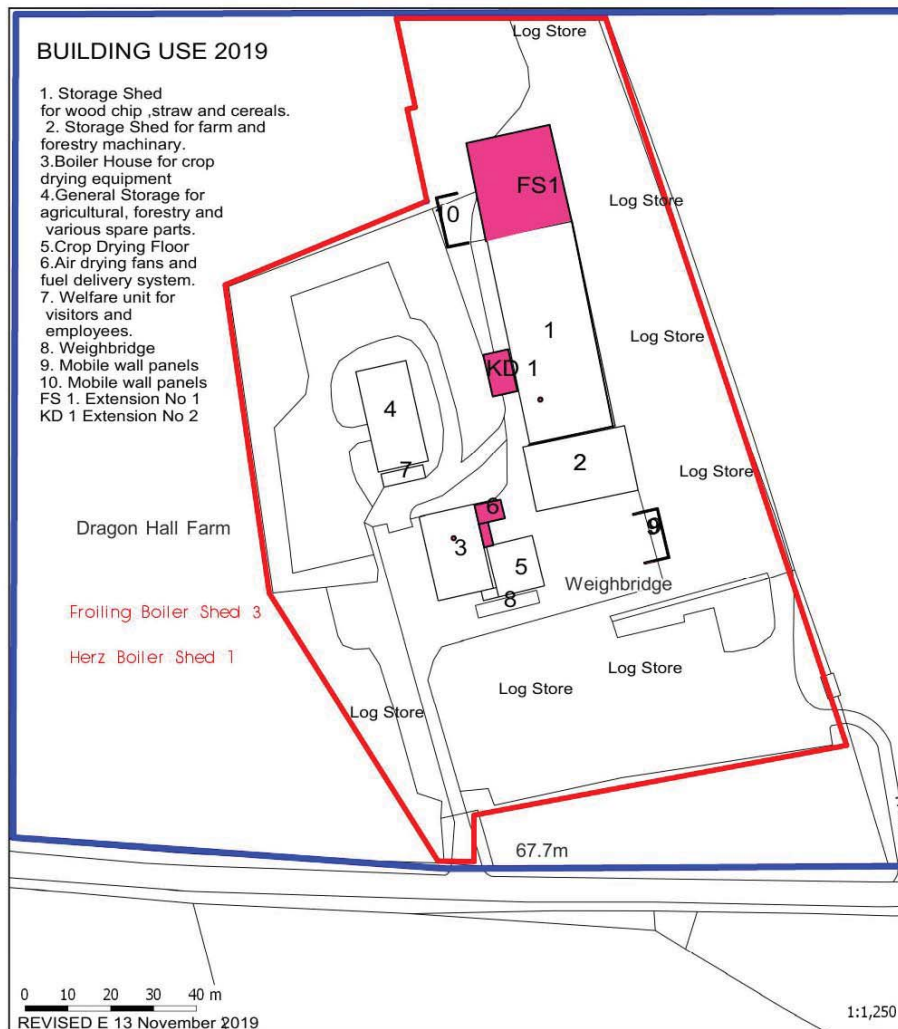
Dragonhall Farm
Padanaram
Forfar
DD8 1PZ

Map produced 21 August 2018



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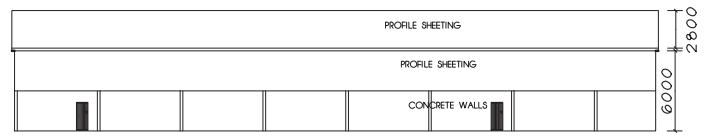


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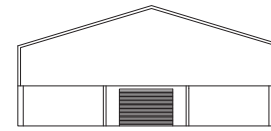
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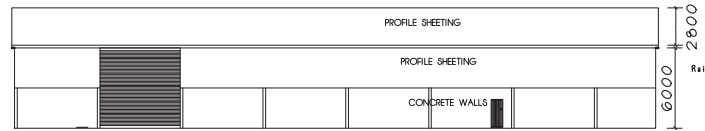
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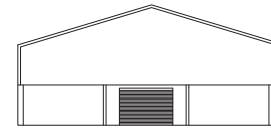
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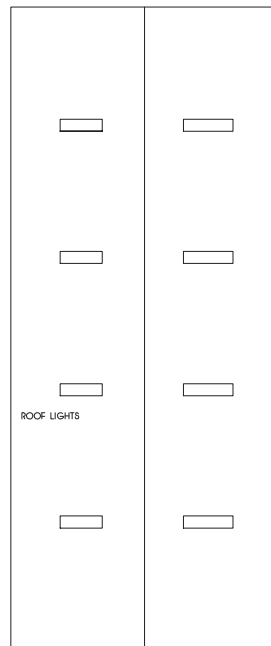
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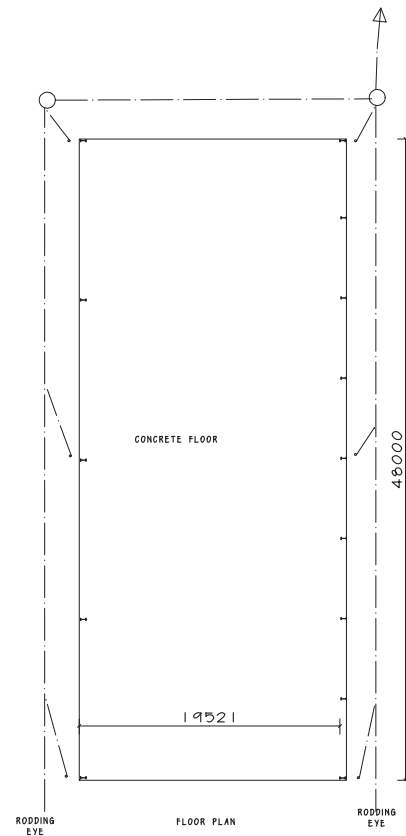
EAST and WEST ELEVATIONS



NORTH and SOUTH ELEVATIONS

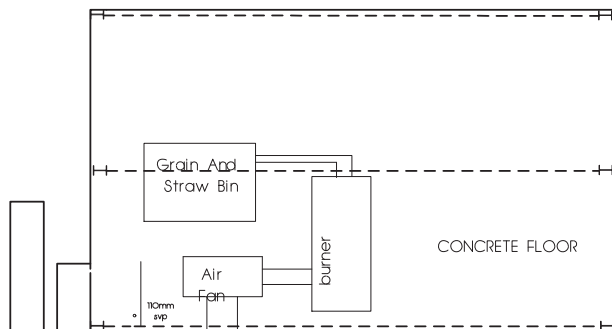


ROOF PLAN

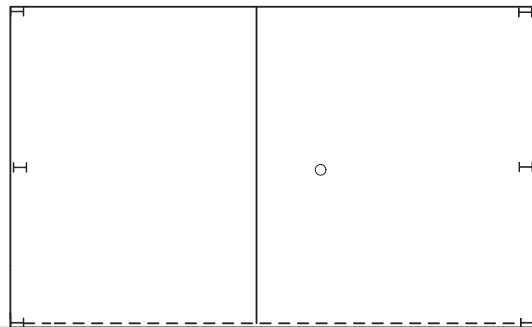
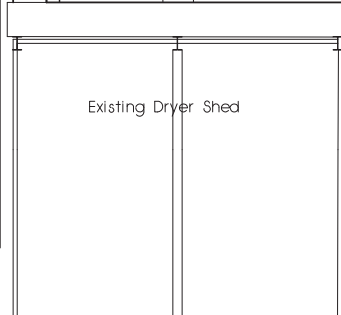


FLOOR PLAN

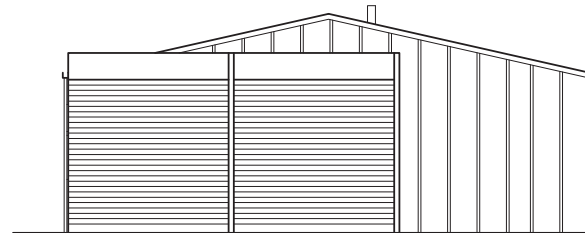
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<p>Title EXISTING STORAGE SHED PLANS and ELEVATIONS OF EXISTING STORAGE SHED at DRAGONHALL, PADANARAM by FORFAR</p>	
Job No.	SHED NO 1
Scale	scale 1:200/A3
Date	13.07.19
Revisions	



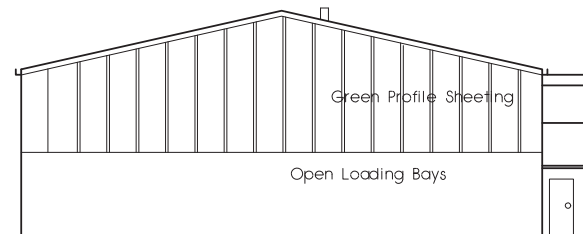
FLOOR PLAN



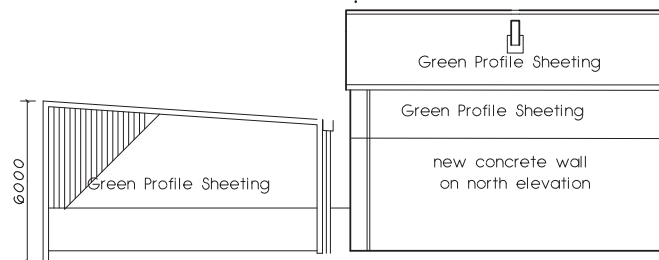
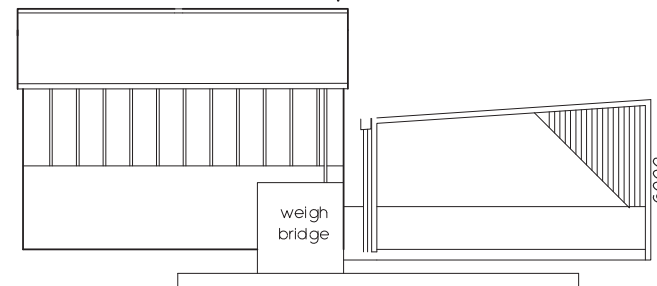
ROOF PLAN



EAST ELEVATION



WEST ELEVATION



NORTH ELEVATION

ANGUS BIOFUELS

Unit 1, Eco Park, Catesview Road, Forfar, Angus, DD8 3BT
 TEL: 01307 466699 FAX: 01307 462278 MOBILE: 07976820664
 email - bill@angusbiofuels.co.uk

Title **EXISTING DRIER AND BOILER ROOM**

SHED 3 and 5

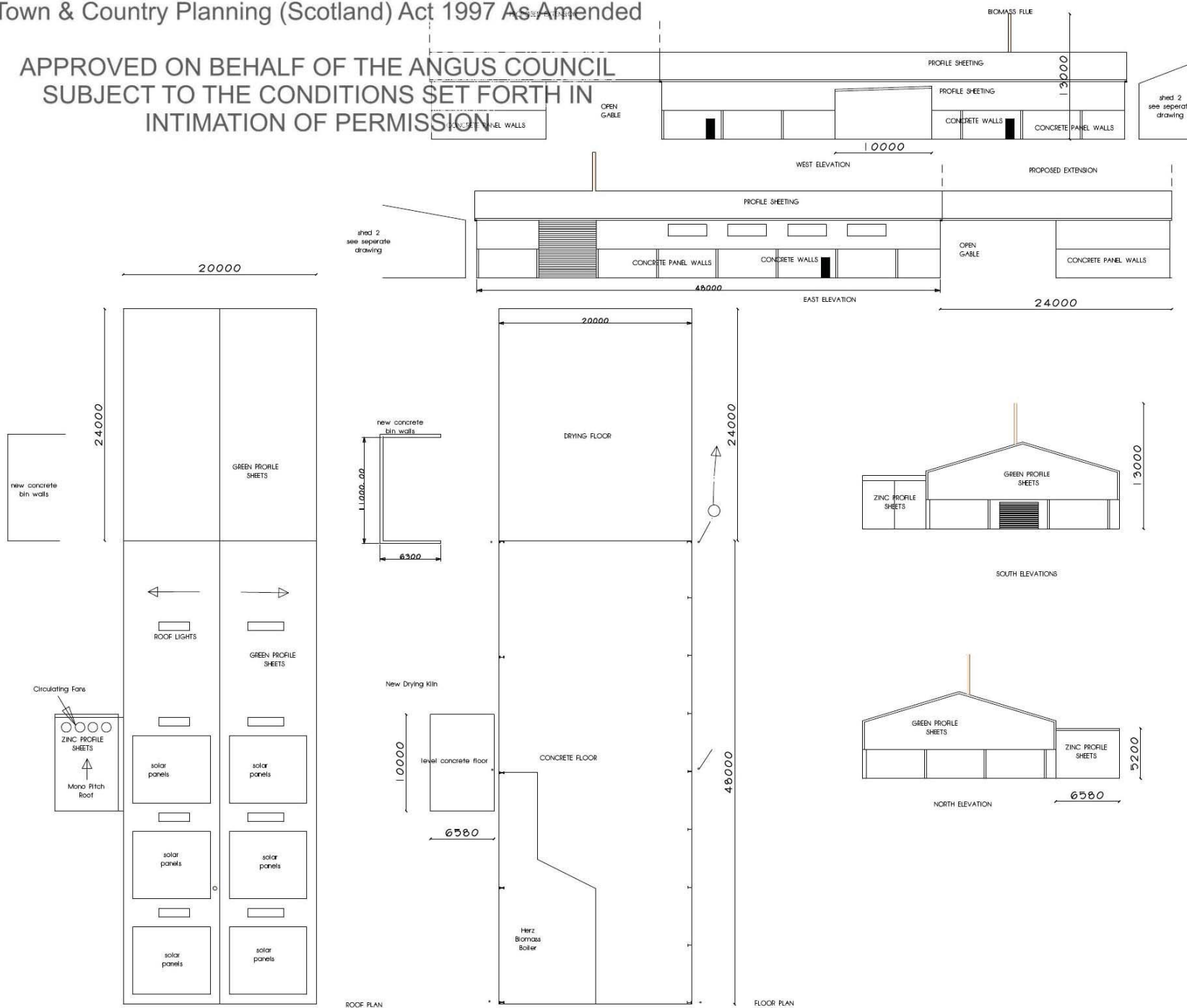
Job No. **03/06/03 REV d**

Scale **1:200** Date **05.10.07**

Revisions

Town & Country Planning (Scotland) Act 1997 As Amended

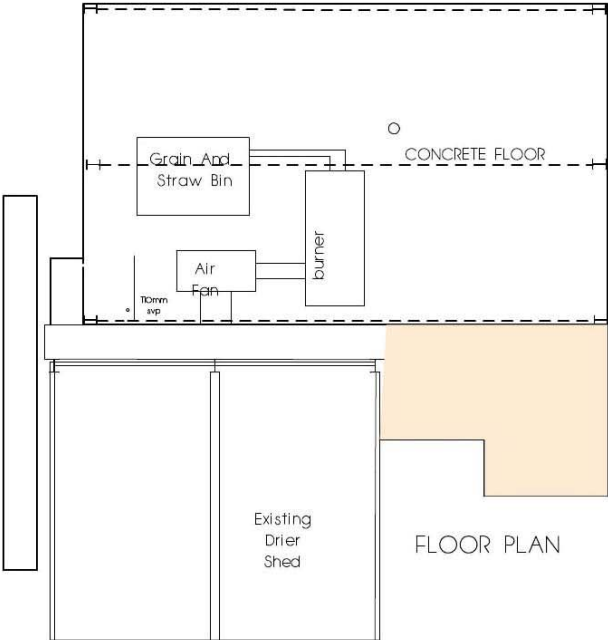
APPROVED ON BEHALF OF THE ANGUS COUNCIL
SUBJECT TO THE CONDITIONS SET FORTH IN
INTIMATION OF PERMISSION



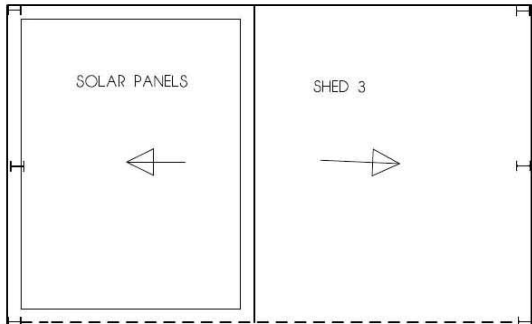
ALBAMUIR LIMITED	
Unit 1, Eco Park, Carview Road, Forfar, Angus, DD8 3BT TEL: 01307 466699 FAX: 01307 462278 MOBILE: 07976820664 email - hsh@angusheath.co.uk	
Title	PROPOSED PLANS and ELEVATIONS OF PROPOSED STORAGE SHED at DRAGONHALL PADANARAM by FORFAR
Job No.	SHED NO 1
Scale	Date scale 1:200 / A1 12.11.19
Revisions	B Dimensions added to shed 1 extension, floor and roof plan altered to match elevations. Chip storage area reduced to 6x 7m

Town & Country Planning (Scotland) Act 1997 As Amended

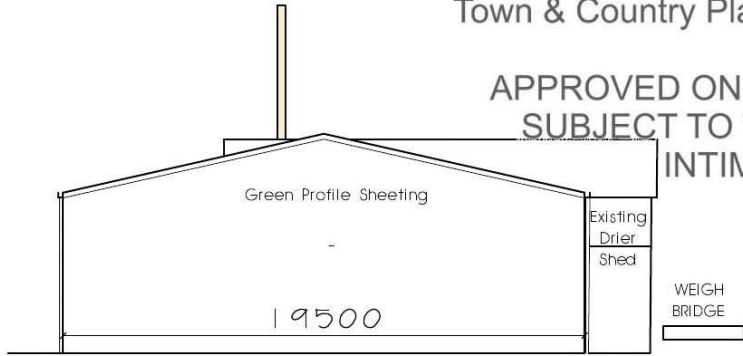
APPROVED ON BEHALF OF THE ANGUS COUNCIL
SUBJECT TO THE CONDITIONS SET FORTH IN
INTIMATION OF PERMISSION



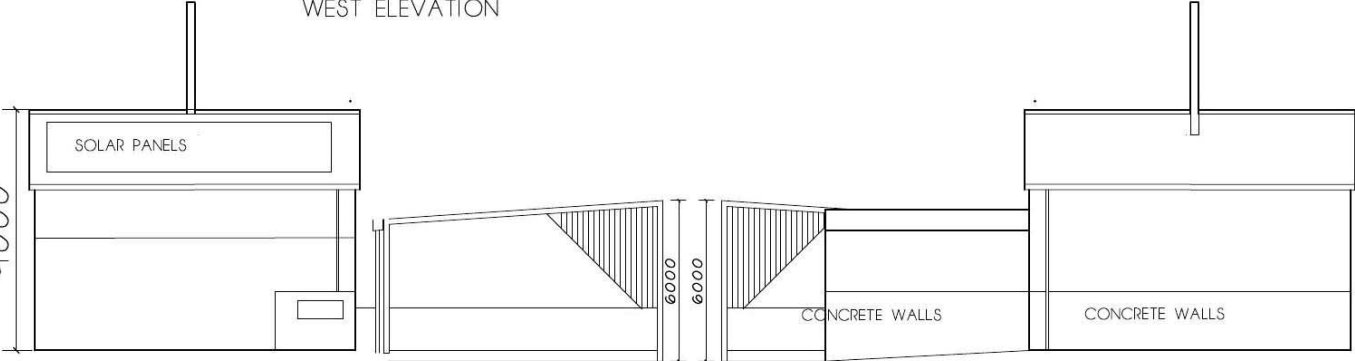
FLOOR PLAN



ROOF PLAN

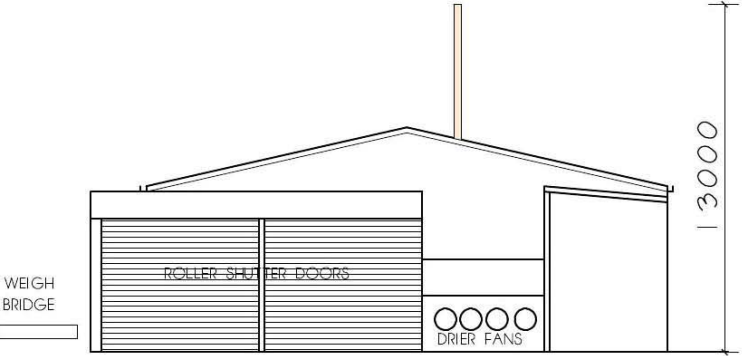


WEST ELEVATION



SOUTH ELEVATION

NORTH ELEVATION



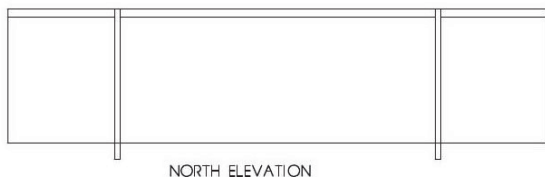
EAST ELEVATION

150mm black rainwater downpipe

ALBAMUIR LIMITED	
Unit 1, Five Park, Carnoustie Road, Forfar, Angus, DD8 3HT TEL: 01307 466699 FAX: 01307 462278 MOBILE: 07976030664 email: halting@al.com	
Title	PROPOSED DRIER AND BOILER ROOM
	SHED 3 and 5
Job No.	03/06/03 REV d
Scale	1:200/A3
Date	05.10.07
Revisions	

Town & Country Planning (Scotland) Act 1997 As Amended

APPROVED ON BEHALF OF THE ANGUS COUNCIL
SUBJECT TO THE CONDITIONS SET FORTH IN
INTIMATION OF PERMISSION



NORTH ELEVATION



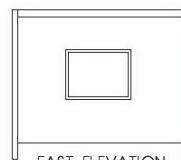
WEST ELEVATION

2500

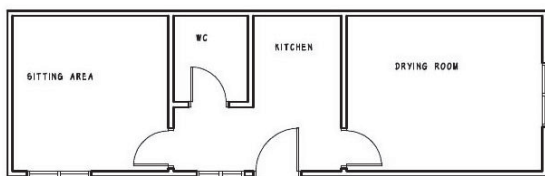


SOUTH ELEVATION

3100



EAST ELEVATION



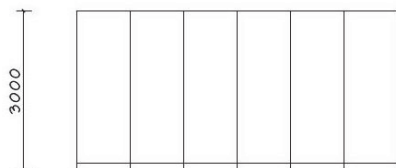
PORTACABIN WELFARE UNIT

10100

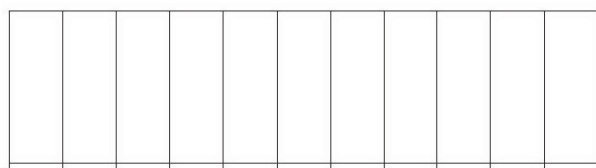
6000

11000

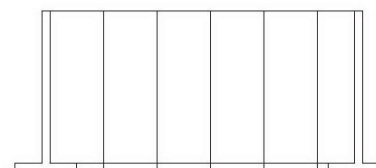
6000



NORTH AND SOUTH ELEVATION



EAST ELEVATION



WEST ELEVATION

PRE CAST MOBILE CONCRETE PANELS

ANGUS BIOFUELS

Unit 1, Eco Park, Carseview Road, Forfar, Angus, DD8 3BT
TEL: 01307 466699 FAX: 01307 462278 MOBILE: 07976820664
email - Building@angusbio.com

Title
PLANS and ELEVATIONS OF PORTACABIN and
MOBILE CONCRETE WALL PANELS
at DRAGONHALL
PADANARAH by FORFAR

Job No.

Scale A1:scale1:50 Date 13.03.19

Revisions













MGBU 204882 5
22G1

MAX. GR.	30,480	KG
	67,200	LBS
TARE	2,170	KG
	4,780	LBS
NET	28,310	KG
	62,420	LBS

CU. CAP.	33.2	CUM
	1,170	CUFT













AC13

















AC13

















Supplier of Woodchip
Hardwood Logs
Wood Pellets

Harvesting Operations
Chipping Services



Angus Biofuels

01307 466699

The image shows a white sign mounted on a metal trailer. The sign is divided into two columns of text. The left column lists 'Supplier of Woodchip', 'Hardwood Logs', and 'Wood Pellets'. The right column lists 'Harvesting Operations' and 'Chipping Services'. In the center is a logo consisting of a stylized flame in orange and yellow with a green leaf inside. Below the logo, the company name 'Angus Biofuels' is written in a green and red font, and the phone number '01307 466699' is at the bottom. The sign is positioned in a field of tall grass under a cloudy sky.

ANGUS COUNCIL

TOWN AND COUNTRY PLANNING (SCOTLAND) ACT 1997 (AS AMENDED)

TOWN AND COUNTRY PLANNING (DEVELOPMENT MANAGEMENT PROCEDURE) (SCOTLAND) REGULATIONS 2013



PLANNING PERMISSION - CONDITIONAL APPROVAL

REFERENCE : 18/00565/FULL

To: **Angus Biofuels**
Mr Steven Watson
Unit 3
Eco Park
Carseview Road
Forfar
DD8 3BS

With reference to your application dated **25 March 2019** for planning permission under the above mentioned Acts and Regulations for the following development viz:-

Change of Use of Buildings and Land to Use as Biomass Fuel Production Business, Including Siting of Portable Site Office and Proposed Erection of Storage Bays and Extension to Existing Shed and Flues at Dragonhall Farm Padanaram Forfar DD8 1PX for Angus Biofuels

The Angus Council in exercise of their powers under the above mentioned Acts and Regulations hereby **Grant Planning Permission (Delegated Decision)** for the said development in accordance with the particulars given in the application and plans docqueted as relative hereto in paper or identified as approved on the Public Access portal.

The permission is subject to the following conditions, namely:-

1. Within 3 months of the date of this permission a scheme for landscaping of the site, including tree and hedge screening shall be submitted to and approved in writing by the planning authority. For the avoidance of doubt the soft landscaping scheme shall include a substantial landscape buffer located along the eastern site boundary consisting of an area at least 5m wide, fenced off with animal proof fencing and containing tree and shrub planting incorporating evergreen trees and shrubs to provide year round landscape mitigation. Thereafter the agreed scheme shall be completed no later than the first planting season following approval of the submitted scheme. Any trees or shrubs removed, dying, being severely damaged or becoming seriously diseased within 5 years shall be replaced by trees or shrubs of similar size and species to those originally approved in terms of this condition. The landscaping shall thereafter be maintained for as long as the use hereby approved endures at the site.
2. Within 6 months from the date of this permission the flues serving the biomass boilers associated with the biomass production operation shall be replaced with flues with stacks no less than 0.25 metres in diameter that terminate 13 metres in height above ground level and with no rain cap or cowl.
3. Notwithstanding the provisions of the Town and Country Planning (Use Classes) (Scotland) Order 1997 or the Town and Country Planning (General Permitted Development) (Scotland) Order 1992 (as amended) or any other subsequent revoking, amending or replacing Development Orders, the site and buildings within the site shall be used solely in connection with the Biomass Fuel Production business and shall not be used for any other purpose other than agricultural use without the further granting of planning permission from the planning authority following the submission of an application of planning permission.
4. Operations associated with the development including deliveries to and from the site, shall be limited to Monday to Friday 0700 - 1900 and Saturday 0700 - 1300 only.

AC14

5. Noise from activities within the development site shall not exceed 45 dB LA_{r,Tr} as measured and assessed within the external amenity area of any noise sensitive property and in accordance with BS 4142:2014 Methods for rating and assessing industrial and commercial sound.
6. Noise from fixed plant within the development site shall not exceed NR Curve 30 between 0700 and 2200 and NR Curve 20 at all other times as measured within any dwelling or noise sensitive premises with the windows open at least 50mm.
7. The biomass boilers installed at the site shall be a 1 no. Froling Lambdamat 1000 and 1 no. Herz Biofire 995 unless information is submitted to and approved in writing by the planning authority which adequately demonstrates that emissions from the products of combustion exiting the flues associated with any alternative boiler(s) will meet all relevant Air Quality Objectives in respect of cumulative emissions of NO₂ and PM₁₀ as laid down in the current Air Quality Strategy.
8. The fuel used in the boilers shall be woodchip with a maximum moisture content of 35% dry weight.

The foregoing conditions are imposed by the Council for the following reasons :-

1. In the interest of the visual amenity of the area.
2. In order to ensure the flues installed on the buildings releases emissions from the existing biomass boilers at a level that is in compliance with the Air Quality Strategy, in the interests of air quality and amenity.
3. In order to prevent the use of the site or buildings for an alternative activity that could give rise to materially different impacts on the amenity of the area without full consideration of the acceptability of those impacts by the planning authority.
4. To protect local residents from disturbance associated with the operations within the application site in the interests of amenity.
5. To protect local residents from noise emissions associated with the activities carried out within the application site in the interests of amenity.
6. To protect local residents from noise emissions associated with the fixed plant within the application site in the interests of amenity.
7. To ensure the air pollutants associated with the development comply with the Air Quality Strategy in the interests of air quality and amenity.
8. To ensure the air pollutants associated with the development comply with the Air Quality Strategy in the interests of air quality and amenity.

The reason(s) for the foregoing decision by the Council are as follows:-

1. The proposal complies with the relevant policies of the local development plan subject to condition(s). There are no material considerations that justify refusal of planning permission.

Dated this **21 November 2019**

Kate Cowey
Service Leader
Planning & Communities
Angus Council
Place
Angus House
Orchardbank Business Park
Forfar
DD8 1AN

The decision was based on the following amendment(s):-

Amendments:

1. The Existing Site Layout drawing, submitted 11 July 2019, the Proposed Site Plan drawing, submitted 13 November 2019, the Existing Floor Plan and Elevations - Shed 1 drawing, submitted 19 July, and the Proposed Floor Plan and Elevations - Shed 1 drawing, submitted 13 November 2019, amend and supersede the earlier variations of these drawings submitted as part of the application. The amended drawings show the location of the existing boilers and flues, an enlarged drying extension, a kiln extension and new replacement flues.

Informatives:

1. SEPA has advised that it is likely that the net rated thermal input from the biomass boilers at the site is greater than 1MW therefore the units would be subject to SEPA's controls for medium combustion plant under the Pollution Prevention and Control (PPC) Regulations. However as the boilers were put into operation before December 2018 they will not need to be permitted until 2029. The applicant should contact SEPA to confirm the net rated thermal input so that SEPA can clarify whether any other thresholds under PPC are triggered.

It should be understood that this permission does not carry with it any necessary consent or approval to the proposed development under other statutory enactments e.g. the Building (Scotland) Act 2003 and the Building (Scotland) Regulations 2004 as amended.

WARNING ANY ALTERATIONS MADE TO THE APPROVED PLANS OR STATED CONDITIONS WITHOUT THE PRIOR CONSENT OF THE LOCAL PLANNING AUTHORITY COULD LEAD TO ENFORCEMENT ACTION BEING TAKEN TO REMEDY OR REINSTATE THE UNAUTHORISED ALTERATIONS



WARNING

NON-COMPLIANCE WITH ANY OF THE CONDITIONS TO THIS PLANNING CONSENT COULD LEAD TO ENFORCEMENT ACTION BEING PURSUED BY THE COUNCIL.

NOTE: CONDITIONS ATTACHED BY THE COUNCIL TAKE PRECEDENCE OVER THE SUBMITTED/ APPROVED PLANS.

NO ALTERATIONS OR DEVIATIONS FROM THE APPROVED PLANS SHOULD BE UNDERTAKEN WITHOUT THE PRIOR APPROVAL OF THE PLANNING AUTHORITY. FAILURE TO OBTAIN APPROVAL COULD LEAD TO ENFORCEMENT ACTION BEING TAKEN.

Produced by:

Angus Council
Planning Service
Place
Angus House
Orchardbank Business Park
Forfar
DD8 1AN

Please retain – this guidance forms part of your Decision Notice

You have now received your Decision Notice. This guidance note sets out important information regarding appealing or reviewing your decision. There are also new requirements in terms of notifications to the Planning Authority and display notices on-site for certain types of application. You will also find details on how to vary or renew your permission.

Please read the notes carefully to ensure effective compliance with the new regulations.

DURATION

This permission will lapse 3 years from the date of this decision, unless there is a specific condition relating to the duration of the permission or development has commenced by that date.

PLANNING DECISIONS

Decision Types and Appeal/Review Routes

The ‘decision type’ as specified in your decision letter determines the appeal or review route. The route to do this is dependent on the how the application was determined. Please check your decision letter and choose the appropriate appeal/review route in accordance with the table below. Details of how to do this are included in the guidance.

Determination Type	What does this mean?	Appeal/Review Route
Development Standards Committee/Full Council	National developments, major developments and local developments determined at a meeting of the Development Standards Committee or Full Council whereby relevant parties and the applicant were given the opportunity to present their cases before a decision was reached.	<i>DPEA (appeal to Scottish Ministers) – See details on attached Form 1</i>
Delegated Decision	Local developments determined by the Service Manager through delegated powers under the statutory scheme of delegation. These applications may have been subject to less than five representations, minor breaches of policy or may be refusals.	<i>Local Review Body – See details on attached Form 2</i>
Other Decision	All decisions other than planning permission or approval of matters specified in condition. These include decisions relating to Listed Building Consent, Advertisement Consent, Conservation Area Consent and Hazardous Substances Consent.	<i>DPEA (appeal to Scottish Ministers) – See details on attached Form 1</i>

Notification of initiation of development (NID)

Once planning permission has been granted and the applicant has decided the date they will commence that development they must inform the Planning Authority of that date. The notice must be submitted before development commences – failure to do so would be a breach of planning control. The relevant form is included with this guidance note.

Notification of completion of development (NCD)

Once a development for which planning permission has been given has been completed the applicant must, as soon as practicable, submit a notice of completion to the planning authority. Where development is carried out in phases there is a requirement for a notice to be submitted at the conclusion of each phase. The relevant form is included with this guidance note.

Display of Notice while development is carried out

For national, major or 'bad neighbour' developments (such as public houses, hot food shops or scrap yards), the developer must, for the duration of the development, display a sign or signs containing prescribed information.

The notice must be in the prescribed form and:-

- displayed in a prominent place at or in the vicinity of the site of the development;
- readily visible to the public; and
- printed on durable material.

A display notice is included with this guidance note.

Should you have any queries in relation to any of the above, please contact:

Angus Council
Planning Service
Place
Angus House
Orchardbank Business Park
Forfar
DD8 1AN

Telephone 01307 492076 / 472533
E-mail: planning@angus.gov.uk
Website: www.angus.gov.uk



TOWN AND COUNTRY PLANNING (SCOTLAND) ACT 1997 (AS AMENDED)

The Town & Country Planning (Development Management Procedure) (Scotland) Regulations 2013 – Schedule to Form 1

*Notification to be sent to applicant on refusal of planning permission
or on the grant of permission subject to conditions decided by Angus Council*

1. If the applicant is aggrieved by the decision of the Planning Authority to refuse permission for or approval required by a condition in respect of the proposed development, or to grant permission or approval subject to conditions, the applicant may appeal to the Scottish Ministers under Section 47 of the Town and Country Planning (Scotland) Act 1997 within three months from the date of this Notice. The notice of appeal should be addressed to Directorate for Planning & Environmental Appeals, 4 The Courtyard, Callendar Business Park, Falkirk, FK1 1XR. Alternatively you can submit your appeal directly to DPEA using the national e-planning web site <https://eplanning.scotland.gov.uk>
2. If permission to develop land is refused or granted subject to conditions, whether by the Planning Authority or by the Scottish Ministers, and the owner of the land claims that the land has become incapable of reasonably beneficial use in its existing state and cannot be rendered capable of reasonably beneficial use by the carrying out of any development which has been or would be permitted, the owner of the land may serve on the Planning Authority a purchase notice requiring the purchase of the owner of the land's interest in the land in accordance with Part 5 of the Town and Country Planning (Scotland) Act 1997.



TOWN AND COUNTRY PLANNING (SCOTLAND) ACT 1997 (AS AMENDED)

The Town & Country Planning (Development Management Procedure) (Scotland) Regulations 2013 – Schedule to Form 2

*Notification to be sent to applicant on refusal of planning permission
or on the grant of permission subject to conditions decided through
Angus Council's Scheme of Delegation*

1. If the applicant is aggrieved by the decision to refuse permission for or approval required by a condition in respect of the proposed development, or to grant permission or approval subject to conditions, the applicant may require the Planning Authority to review the case under Section 43A of the Town and Country Planning (Scotland) Act 1997 within three months from the date of this Notice. The notice of review should be addressed to Sarah Forsyth, Committee Officer, Angus Council, Resources, Legal & Democratic Services, Angus House, Orchardbank Business Park, Forfar, DD8 1AN. A Notice of Review Form and guidance can be found on the national e-planning web site <https://eplanning.scotland.gov.uk> . Alternatively you can return your Notice of Review directly to the local planning authority online on the same web site.
2. If permission to develop land is refused or granted subject to conditions and the owner of the land claims that the land has become incapable of reasonably beneficial use in its existing state and cannot be rendered capable of reasonably beneficial use by the carrying out of any development which has been or would be permitted, the owner of the land may serve on the Planning Authority a purchase notice requiring the purchase of the owner of the land's interest in the land in accordance with Part 5 of the Town and Country Planning (Scotland) Act 1997.

NOTIFICATION OF INITIATION OF DEVELOPMENT

This notice must be fully completed by the person intending to carry out the development as approved in application reference **18/00565/FULL** for **Change of Use of Buildings and Land to Use as Biomass Fuel Production Business, Including Siting of Portable Site Office and Proposed Erection of Storage Bays and Extension to Existing Shed and Flues** at **Dragonhall Farm Padanaram Forfar DD8 1PX** for **Angus Biofuels** dated **21 November 2019** and thereafter submitted to the Service Manager, Angus Council, Planning Service, Place, Angus House, Orchardbank Business Park, Forfar, DD8 1AN

Full Name:

Address:

Do you own the land subject to the above permission?

If not, please provide the full name and address of the land owner:

Is there a person appointed to oversee the development? If so, please provide their full name and contact details:

Date you intend to commence the above development:

NOTIFICATION OF COMPLETION OF DEVELOPMENT (NCD)

This notice should be fully completed by the person who completed the development approved in application reference **18/00565/FULL** for **Change of Use of Buildings and Land to Use as Biomass Fuel Production Business, Including Siting of Portable Site Office and Proposed Erection of Storage Bays and Extension to Existing Shed and Flues** at **Dragonhall Farm Padanaram Forfar DD8 1PX** for **Angus Biofuels** dated **21 November 2019** and thereafter submitted to the Service Manager, Angus Council, Planning Service, Place, Angus House, Orchardbank Business Park, Forfar, DD8 1AN

Full Name:

Address:

Date of completion of the above development:

SCHEDULE 7

Development at **Dragonhall Farm Padanaram Forfar DD8 1PX**

Notice is hereby given that planning permission has been granted subject to conditions to **Angus Biofuels** on **21 November 2019**.

Application reference **18/00565/FULL**

The development comprises **Change of Use of Buildings and Land to Use as Biomass Fuel Production Business, Including Siting of Portable Site Office and Proposed Erection of Storage Bays and Extension to Existing Shed and Flues**

Further Information regarding the planning permission including the conditions, if any, on which it has been granted can be obtained at all reasonable hours at:

Angus Council
Planning Service
Place
Angus House
Orchardbank Business Park
Forfar
DD8 1AN

Enquiries should be directed to the Service Leader at the above address or to planning@angus.gov.uk

PLANNING

Your experience with Planning

Please indicate whether you agree or disagree with the following statements about your most recent experience of the Council's handling of the planning application in which you had an interest.

Q.1 I was given the advice and help I needed to submit my application/representation:-

Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree	It does not apply
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Q.2 The Council kept me informed about the progress of the application that I had an interest in:-

Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree	It does not apply
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Q.3 The Council dealt promptly with my queries:-

Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree	It does not apply
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Q.4 The Council dealt helpfully with my queries:-

Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree	It does not apply
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Q.5 I understand the reasons for the decision made on the application that I had an interest in:-

Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree	It does not apply
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Q.6 I feel that I was treated fairly and that my view point was listened to:-

Strongly Agree	Agree	Neither Agree nor Disagree	Disagree	Strongly Disagree	It does not apply
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

OVERALL SATISFACTION: Overall satisfaction with the service:

Q.7 Setting aside whether your application was successful or not, and taking everything into account, how satisfied or dissatisfied are you with the service provided by the council in processing your application?

Very satisfied	Fairly satisfied	Neither Satisfied nor Dissatisfied	Fairly Dissatisfied	Very Dissatisfied
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

OUTCOME: Outcome of the application:

Q.8 Was the application that you had an interest in:-

Granted Permission/Consent	<input type="checkbox"/>	Refused Permission/Consent	<input type="checkbox"/>	Withdrawn	<input type="checkbox"/>
----------------------------	--------------------------	----------------------------	--------------------------	-----------	--------------------------

Q.9 Were you the:- Applicant Agent Third Party objector who made a representation

Please complete the form and return in the pre-paid envelope provided.
Thank you for taking the time to complete this form.



















S. WATSON FARM

Dragonhall Farm
Padanaram
By Forfar DD8 1PX

Correspondence Address: Unit 3 – Eco Park, Carseview Road Forfar, DD8 3 BS
tel: 01307 466699
fax: 01307 462278

e-mail address: steve@angusbiofuels.co.uk

Existing Operations at Dragonhall:

Farming of cereals, potatoes, peas and other agricultural crops, fertilizer and seed storage drying of crops on 70 acres of land at Ballindarg and Dragonhall.

Storage of Timber from our own forests and local estates for the production of wood chip for biomass fuel.

Average collections 1 load round wood per day

Monday to Friday 25 tons per load.

Average deliveries 2 loads per day tractor and trailer
5 tons each and one artic lorry 20 tons per day.

Operating Hours 7am to 6pm Monday to Friday

Saturday 7am to 12 noon. (October to March)

Mobile Wood Cutting machine Albach Diamaint Chipper working average 4 hours per week.

3 no Flood lights onto working area of yard for employee's safety during winter hours.

Two biomass installations

Froiling 1000 installed in 2014

Herz 995 installed March 2017

Both biomass boilers used for drying various types of agricultural and forestry crops. Approximate running hours per annum 1500 each.

VAT REG NO: 658 4223 23

Partners: William Y Watson, Tracy D Watson

Screening Tool for annual mean PM and NO _x from biomass combustion stacks					
This spreadsheet provides a screening tool to calculate the contribution from stack emissions to maximum annual mean ground level concentrations					
Enter required information in Cream Cells Resulting ground level concentration in Red Bold					
Proposed stack height	13		m		
List the buildings within a distance of 65.0 m of the chimney Include any building to which the chimney is attached					
Building	Height, m	Width, m	K	T	
A FARM STORAGE SHED	9	20	9	22.5	
B WELFARE UNIT	3	3	3	7.5	
C FARM WORKSHOP	5	12	5	12.5	
D					
E					
F					
G					
Calculated Effective stack height	6.7		m		
Proposed stack diameter	0.25		m		
Location {Scotland, Rest of UK}	Scotland				
Maximum emission rate	0.0255		g/s		
Maximum contribution to annual mean	3.4969	μg m ⁻³		Biomass nomographs	
	#N/A	μg m ⁻³		Industrial nomographs	

PM_{2.5} Emissions from Biomass Combustion Stacks (Individual Installations) - Annual Mean

Additional Comments/Information

The target emissions of PM_{2.5} in g/s from biomass combustion source emissions are calculated for your given stack details. Greater emission rates may result in exceedance of the annual mean cap for PM_{2.5} in England, Wales and Northern Ireland or the annual mean objective in Scotland. The cap is 25 µg/m³ in England, Wales and Northern Ireland, whilst an objective of 10 µg/m³ applies in Scotland.

Enter required information in Yellow Cells
Resulting Emission in Red Bold

Building height	<input type="text" value="9"/>	m
Stack diameter	<input type="text" value="0.25"/>	m
Stack height	<input type="text" value="13"/>	m
Location	<input type="text" value="Scotland"/>	
PM _{2.5} Annual mean background concentration (include roadside contribution at relevant receptors)	<input type="text" value="11.8"/>	µg/m ³
Calculated Effective stack height	<input type="text" value="6.7"/>	m
Target Emission Rate	<input type="text" value="-0.0131"/>	g/s

If the maximum stack emission rate is less than the target above then it is not likely that either the cap or objective for PM_{2.5} will be exceeded. If your emissions are greater then please refer to LAQM.TG(16) for further advice.



Screening Tool for annual mean PM and NO_x from biomass combustion stacks

This spreadsheet provides a screening tool to calculate the contribution from stack emissions to maximum annual mean ground level concentrations

Enter required information in Cream Cells
Resulting ground level concentration in Red Bold

Proposed stack height m

List the buildings within a distance of 65.0 m of the chimney
Include any building to which the chimney is attached

Building	Height, m	Width, m	K	T
	6	20	6	15
B WELFARE UNIT	3	3	3	7.5
C FARM WORKSHOP	5	12	5	12.5
D AGRICULTURAL SHED	9	20	9	22.5
E				
F				
G				

Calculated Effective stack height 6.7 m

Proposed stack diameter m

Location {Scotland, Rest of UK}

Maximum emission rate g/s

Maximum contribution to annual mean

2.2764	µg m ⁻³	Biomass nomographs
#N/A	µg m ⁻³	Industrial nomographs

PM₁₀ Emissions from Biomass Combustion Stacks (Individual Installations)

Additional Comments/Information

The target emissions of PM₁₀ in g/s from biomass combustion source emissions are calculated for your given stack details. Greater emission rates may result in exceedance of the 24-hour objective for PM₁₀ in England, Wales and Northern Ireland or the annual mean objective in Scotland.

Enter required information in Yellow Cells
Resulting Emission in Red Bold

Building height	<input type="text" value="9"/>	m
Stack diameter	<input type="text" value="0.25"/>	m
Stack height	<input type="text" value="13"/>	m
Location	<input type="text" value="Scotland"/>	
PM ₁₀ Annual mean background concentration (include roadside contribution at relevant receptors)	<input type="text" value="11.8"/>	µg/m ³
Calculated Effective stack height	<input type="text" value="6.7"/>	m
Target Emission Rate	<input type="text" value="0.0452"/>	g/s

If the maximum stack emission rate is less than the target above then it is not likely that the most stringent objective for PM₁₀ will be exceeded. If your emissions are greater then please refer to LAQM.TG(16) for further advice.

Biomass Boiler Information Form

This information is necessary in order to assess the impact of potentially harmful emissions. This information sheet should be completed and submitted along with an air quality screening assessment or detailed dispersion modeling report. The boiler manufacturer and/ or installer should be able to help you provide this information.

1. Particulars of the Boiler

a) General details		
Address of proposed boiler	DRAGONHALL FARM, PADANARAM, FORFAR. DD8 1PX	
6 figure location coordinates (easting and northing)	Easting	Northing
	342313	751670
Boiler make and model	HERZ BIOFIRE 995	
Boiler size and efficiency % (KW/MW)	995KW	
Boiler maximum rate of fuel consumption (kg/hr or m ³ /hr)	285KG	
b) Provide details of the abatement equipment in place for controlling particulate matter (fly ash) emissions.		
CYCLONE FILTER		
c) Is the biomass boiler an exempt appliance in accordance with the Clean Air Act 1993?		
YES		
d) Have the boiler emissions been tested for Particulate matter and Oxides of Nitrogen? If yes provide copies of the relevant test reports. If not then please justify the pollutant concentrations used in the supporting air quality screening assessment or dispersion modelling		
YES REPORT ATTACHED		

2. Boiler Stack Details

The design of the stack greatly affects how pollutants produced in the boiler disperse over the surrounding area. Your installer should be able to provide most of the details and make a calculation on stack height and design. When dispersion modeling is required you or your installer may need to engage a specialist consultant.

a) Specify the height of the boiler exhaust stack above ground. NB this should be calculated by doing an air quality screening assessment or detailed dispersion modelling as appropriate
11M
b) Specify stack internal diameter (m).
250MM
c) Specify the exhaust gas efflux velocity (m/s).
9M/SEC

3. Fuel Details

Emissions from a biomass boiler depend greatly on the type and quality of the fuel used. Reasonable guarantees are therefore needed that the fuel is compatible with the boiler and is of a high quality. Your fuel supplier and installer should be able to provide this information.

a) Detail all Fuel Types to be used (e.g. Logs, wood chip, pellets, straw etc) and for each type of Fuel detail the specification in terms of nitrogen, moisture and ash content % and calorific value MJ/Kg	
FUEL TYPE	FUEL SPECIFICATION
VIRGIN WOOD CHIP	W30 G50. SEE SPECIFICATION SHEET
b) Does the fuel comply with European or equivalent fuel quality standards such as CEN/TS 335 or ONORM? Please provide details	
BOTH CEN/TS 335 AND ONORM	

c) Describe what fuel quality control procedures will be adopted to guarantee constant fuel quality from your supplier.

WOODSURE ACCREDITED FUEL SOURCED FROM SUSTAINABLE FORESTS IN TAYSIDE.
FORESTS OWNED BY BOILER OPERATOR ANGUS BIOFUELS

d) Provide evidence to demonstrate that the biomass boiler combustion system is applicable to the fuel specification.

SEE ATTACHED SPECIFICATION SHEET

4. Building Details

The dimensions of and distance to neighbouring buildings will determine the effect they have on the dispersion of the plume and therefore the height of the stack needed. Your installer should be able to provide this information.

a) Detail the dimensions of all existing and proposed buildings (including the boiler house) within a radius of 5 times the boiler exhaust stack height.

Building description	Height, m	Width, m
A AGRICULTURAL SHED	9	20
B		
C		
D		
E		
F		
G		

b) Indicate the distance from the boiler exhaust stack to the nearest fan assisted intakes and openable windows.

APPROX 200 m

5. ADDITIONAL INFORMATION

a) Have you attached a copy of your air quality assessment (Please delete as appropriate)

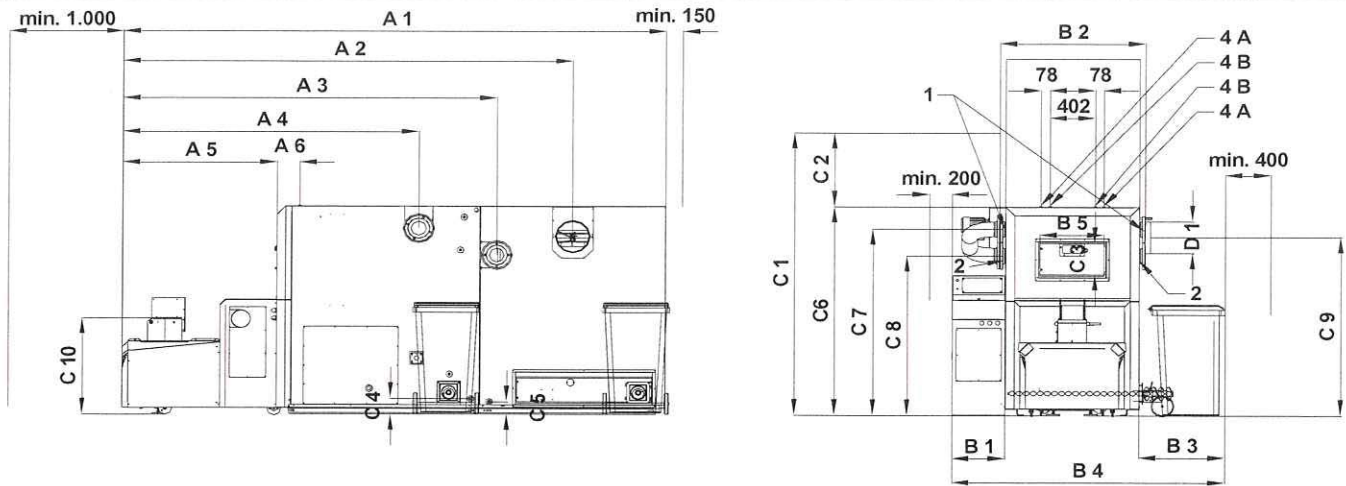
YES/


b) Have you attached a copy of your boiler emissions test report (Please delete as appropriate)

YES/

HERZ BioFire 500-995 BioControl

Standard specification sheet
BF 500-995
V 01-2011

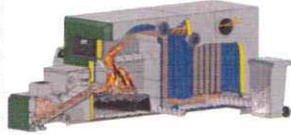


BioFire BioControl		500	600	800	995	
	Power range [kW]	150-500	180-600	240-800	300-995	
	Power range - Declaration at nameplate [kW]	-	-	-	-	
	Continuance of combustion max. [h]	-	-	-	-	
A1	Length	4,245	4,735	4,735	5,260	
A2	Length	3,590	3,950	3,950	4,444	
A3	Length	3,050	3,250	3,250	3,774	
A4	Length	2,365	2,595	2,595	3,116	
A5	Length	1,350	1,350	1,350	1,367	
A6	Length	200	200	200	200	
B1	Width	470	470	470	483	
B2	Width without flange	1,270	1,270	1,270	1,270	
	Width with flange	1,375	1,375	1,375	1,379	
B3	Width	750	750	750	750	
B4	Width	2,485	2,485	2,485	2,485	
B5	Width	500	500	500	500	
C1	Height	2,650	2,650	2,650	2,865	
C2	Height	700	700	700	700	
C3	Height	300	300	300	300	
C4	Height ["] / [mm]	3/4" / 148	3/4" / 148	3/4" / 148	3/4" / 148	
C5	Height ["] / [mm]	3/4" / 118	3/4" / 118	3/4" / 118	3/4" / 118	
C6	Height	1,977	1,977	1,977	2,173	
C7	Height [DN] / [mm]	100 / 1765	125 / 1765	125 / 1765	125/1965	
C8	Height [DN] / [mm]	100 / 1515	125 / 1515	125 / 1515	125 / 1710	
C9	Height	1,686	1,686	1,686	1,886	
C10	Height	905	905	905	945	
D1	Diameter flue pipe	300	300	300	300	
Inserting dimension Heat exchanger module [mm]						
	Length	1,400	1,600	1,600	1,600	
	Width	1,400	1,400	1,400	1,400	
	Height	2,100	2,100	2,100	2,400	
Inserting dimension Combustion chamber module [mm]						
	Length	2,200	2,400	2,400	2,400	
	Width	1,400	1,400	1,400	1,400	
	Height	2,100	2,100	2,100	2,400	
						Mounting dimensions in [mm]  Value fuels: max. wood chips G 50 W45 according to ÖNORM M 7133 Nominal output at max. W 25 Pellets according to ÖNORM M 7135. DINplus Changes in the sense of the technical progress reserve!

1...Flow , 2...Backflow , 3... Filling/depletion (IG 1"), 4 a...Safety heat exchanger - Input (1" IG), 4 b...Safety heat exchanger - Output (1" IG)

HERZ BioFire 500-995 BioControl

Standard specification sheet
BF 500-995
V 01-2011

BioFire BioControl	500	600	800	995	Technical data	
Weight of boiler [kg]	4,716	5,895	5,895	7,075		
Volume of combustion chamber [ltr.]	-	-	-	-		
min./max. delivery pressure [mbar]	0,05/0,15	0,05/0,15	0,05/0,15	0,05/0,15		
Maximum operating pressure [bar] - see note (1)	4.5	4.5	4.5	4.5		
max. operating temperature [°C] - see note (2)	102	102	102	102		
Water capacity [ltr.]	1,146	1,660	1,660	1,950		
Electrical connection [V,Hz]	3x400 / 50					
Resistance of boiler at dt=35K [mbar]	36	28	31	-		
Resistance of boiler at dt=20K [mbar]	47	37	41	-		
Resistance of boiler at dt=10K [mbar]	88	61	-	185		
Flow rate dt=18K [kg/h] min.	23,946	28,736	38,314	47,893		
Flow rate dt=10K [kg/h]	43,103	51,724	68,966	86,207		
Electric power consumption, nominal load [kW]	-1,75	-	-	-		
Electric power consumption, part load [kW]	-0,64	-	-	-		
Size of heat exchanger [m2]	25.6	32.0	32.0	32.0		
Size of grate surface [m2]	0.7	0.8	0.83	1.0		
Volume of combustion chamber [m3]	1.0	1.2	1.2	1.7		
Necessary quantity of water for safety heat exchanger [ltr./h]	850	850	850	850		
Emission - Nominal load						
Exhaust gas temperature [°C]	~120	~120	~130	~150		
Mass flow flue gas [kg/s]	0.400	0.479	0.614	0.798		
Mass flow flue gas [Nm ³ /h]	~1100	~1327	~1700	~2200		
CO2 content [Vol. %]	13.5	13.7	13.8	14.0		
Efficiency [%]	91.5	91.5	91.7	91.6		
Emission - Part load						
Exhaust gas temperature [°C]	~80	~80	~80	~80		
Mass flow flue gas [kg/s]	0	0	0	0		
Mass flow flue gas [Nm ³ /h]	~470	~740	~990	~1200		
CO2 content [Vol. %]	9.0	9.0	9.0	9.0		
Efficiency [%]	90.5	90.5	90.5	90.5		
Weight [kg]						
Combustion chamber modul	-	1,800	1,800	2,550		
Burner (trough, grate elements, handler etc.)	-	750	750	825		
Feed-in	-	180	180	180		
Casing, control	-	85	85	105		
Heat exchanger	-	2,430	2,430	2,650		
Accessories, ash removal,...	-	200	200	250		

Notes 1) Design pressure = 5.0 barg, test pressure = 7.5 barg, maximum

2) To allow adequate margin for boiler control Rural Energy recommend a maximum target flow temperature of 95 °C

Rural Energy Wood Chip Specification Sheet

The majority of the wood pellet fuel supplied to the heating market within the UK is to either the Austrian *ONORM M 7133* or the *British Standard EN 14961-4: 2010 Solid biofuels - Fuel specifications and classes Part 4: Wood chips for non-industrial use*.

As the EN 14961-4 standard is soon to be adopted in the UK, with other national standards being phased out, then Rural Energy recommend this be used when purchasing wood chip fuel.

Each boiler product is approved for use on particular classifications within the EN standard according to the table below which must be adhered to.

Boiler type	Property class	Particle size (P) *(1)	Water Content (M) *(2)	Ash Content (A)	Wood Bulk Density (BD) *(3)
Herz Firematic 20-60	A1, A2	P16B P31.5 P45A	15% - 35%	A1 (<1%) A2 (<1.5%)	>150kg/m3
Herz Firematic 80-301	A1, A2, B1				
Herz Biomatic	A1, A2			A1 (<1%) A2 (<1.5%) B1 (<3%)	
Herz Biofire	A1, A2, B1				

*(1) Also allowed is G30 or G50 according to ONRM 7133

*(2) If fuel water content is higher than 25% then the boiler may not reach nominal (rated) power.

*(3) If calorific value is lower than 3.1 kWh/kg then boiler may not reach nominal (rated) power

Please note that using recycled wood which has been shredded instead of chipped (using a fuel wood chipper) will require authorisation by the local authority and may cause the following issues:

- the full nominal boiler power may not be achievable due to reduced flow characteristics
- it may not be possible to obtain good combustion parameters. Incorrect combustion can reduce equipment life and would invalidate the boiler warranty.
- there may be problems with "bridging" over the auger in the wood chip store
- There may be chemical contaminants that cannot be seen in the fuel; the fuel may require chemical analysis testing to ensure it is clean.


If recycled wood is planned then Rural Energy would require a fuel sample before approving its use.

Renewable Heat Incentive

Non-domestic Renewable Heat Incentive Emissions Certificate



This certificate provides evidence that the tested boiler meets the air quality requirements of the non-domestic Renewable Heat Incentive (RHI). It must be issued by a testing laboratory. Applicants applying for the RHI with biomass boilers must submit a certificate with their application, or alternatively, an environmental permit.

1. TEST HOUSE	
a) name and address of testing laboratory	The Engineering Test Institute, Public Enterprise Hudcova 424/56b, 621 00 Brno, Czech Republic tel.: 00420 541 120 330 e-mail.: holomek@szutest.cz web: www.szutest.cz
b) name and signature of the person authorised by the testing laboratory to issue the certificate	Milan Holomek Head of Heat and Environment-Friendly Equipment Test Station 
c) date of issue of the certificate together with certificate reference number	2013-12-05 Date: 2013-10-31 Nr.: SZUBR028
d) if testing laboratory is accredited to ISO 17025, date of accreditation and accreditation number (note: if testing conducted after 24 September 2013, the testing laboratory must be ISO 17025 accredited)	Lab No/Accreditation Number No. 347/2013 of 2013-06-24 (current), No. 321/2012 of 2012-05-29 (previous) Lab Accreditation Date No. 347/2013 of 2013-06-24 (current), No. 321/2012 of 2012-05-29 (previous)

2. PLANT	
a) name of the plant tested	BioFire
b) model of the plant tested	BioFire 800
c) manufacturer of the plant tested	Herz Energietechnik GmbH Herzstrasse 1 A-7423 Pinkafeld Austria
d) installation capacity of the plant in kilowatts (kW)	800 kW
e) is the plant a <u>manually stoked, natural draught</u> plant? (that is, without a fan providing forced or induced draught)	no, automatic
f) the date the plant was tested	2013.10.11
g) list of all the plants in the type-testing range of plants to which the certificate applies, if any	BioFire 500/600/800/995

3. FUELS	
a) types of fuels used when testing	Wood chips, Wood pellets
b) based on the testing, list the range of fuels that can be used in compliance with the emission limits of 30 grams per gigajoule (g/GJ) net heat input for particulate matter (PM), and 150 g/GJ net heat input for oxides of nitrogen (NOx) (based if relevant on classifications from EN14961 or EN303-5)	Wood chips according to EN 303-5:2012: B1 Wood chips according to EN 14961-4: A1, A2, B1 Wood pellets according to EN 303-5:2012: C1 Wood pellets according to EN 14961-4: A1, A2
c) moisture content of the fuel used during testing	Wood chips - 12.90 %, Wood pellets - 6.92 %
d) maximum moisture content of the fuel which can be used so as to ensure that the emission limits are not exceeded	Wood chips – max 35 % Wood pellets – max 12 %

4. TESTS	
a) if the plant is 500kW or lower, and BS EN 303-5:1999 or EN 303-5:2012 applies to it, please confirm: - tests were conducted to whichever standard was current at the time of testing. (please circle the applicable standard)	not applicable
b) if the plant is 500kW or lower, and BS EN 303-5:1999 or BS EN 303-5:2012 do not apply to it, please confirm: - emissions of PM represent the average of at least three measurements, each of at least 30 minutes duration and; - the value for NOx emissions is derived from the mean of measurements made throughout the PM tests.	not applicable not applicable
c) if the plant is 500kW or higher, please confirm: - emissions of PM represent the average of at least three measurements, each of at least 30 minutes duration and; - the value for NOx emissions is derived from the mean of PM measurements made throughout the PM tests.	yes yes
d) please confirm the tests were conducted to: - EN 14792:2005 in respect of NOx, and; - EN 13284-1:2002 or ISO 9096:2003 in respect of PM	yes yes
e) please confirm the plant tested at ≥85% of its rated output	yes
f) please confirm the tests show that emissions were no greater than 30 g/GJ PM and 150 g/GJ NOx	yes

<p>g) measured emissions of PM in g/GJ net heat input</p>	<p><u>Wood chips:</u></p> <p>Nominal heat output: BioFire 800 – 800kW: 15 g/GJ</p> <p>Part load (42,9%): BioFire 800 – 800kW: 7 g/GJ</p> <p><u>Wood pellets:</u></p> <p>Nominal heat output: BioFire 800 – 800kW: 10 g/GJ</p> <p>Part load (45.4%): BioFire 800 – 800kW: 8 g/GJ</p>
<p>h) measured emissions of NOx in g/GJ net heat input</p>	<p><u>Wood chips:</u></p> <p>Nominal heat output: BioFire 800 – 800kW: 76 g/GJ</p> <p>Part load (42,9%): BioFire 800 – 800kW: 63 g/GJ</p> <p><u>Wood pellets:</u></p> <p>Nominal heat output: BioFire 800 – 800kW: 146 g/GJ</p> <p>Part load (45.4%): BioFire 800 – 800kW: 53 g/GJ</p>

Biomass Boiler Information Form

This information is necessary in order to assess the impact of potentially harmful emissions. This information sheet should be completed and submitted along with an air quality screening assessment or detailed dispersion modeling report. The boiler manufacturer and/ or installer should be able to help you provide this information.

1. Particulars of the Boiler

a) General details		
Address of proposed boiler	DRAGONHALL FARM, PADANARAM, FORFAR DD8 1PZ	
6 figure location coordinates (easting and northing)	Easting	Northing
	342292	751635
Boiler make and model	FROLING LAMB DAMAT 1000	
Boiler size and efficiency % (KW/MW)	999KW 90% EFFICIENCY	
Boiler maximum rate of fuel consumption (kg/hr or m ³ /hr)	290KG	
b) Provide details of the abatement equipment in place for controlling particulate matter (fly ash) emissions.		
CYCLONE FILTER AND EXHAUST GAS RE CIRCULATION		
c) Is the biomass boiler an exempt appliance in accordance with the Clean Air Act 1993?		
YES		
d) Have the boiler emissions been tested for Particulate matter and Oxides of Nitrogen? If yes provide copies of the relevant test reports. If not then please justify the pollutant concentrations used in the supporting air quality screening assessment or dispersion modelling		
YES SEE ATTACHED REPORT		

2. Boiler Stack Details

The design of the stack greatly affects how pollutants produced in the boiler disperse over the surrounding area. Your installer should be able to provide most of the details and make a calculation on stack height and design. When dispersion modeling is required you or your installer may need to engage a specialist consultant.

a) Specify the height of the boiler exhaust stack above ground. NB this should be calculated by doing an air quality screening assessment or detailed dispersion modelling as appropriate
11M
b) Specify stack internal diameter (m).
250MM
c) Specify the exhaust gas efflux velocity (m/s).
7.8m/sec

3. Fuel Details

Emissions from a biomass boiler depend greatly on the type and quality of the fuel used. Reasonable guarantees are therefore needed that the fuel is compatible with the boiler and is of a high quality. Your fuel supplier and installer should be able to provide this information.

a) Detail all Fuel Types to be used (e.g. Logs, wood chip, pellets, straw etc) and for each type of Fuel detail the specification in terms of nitrogen, moisture and ash content % and calorific value MJ/Kg	
FUEL TYPE	FUEL SPECIFICATION
Virgin woodchip	W30 G30 ASH CONTENT LESS THAN 1% CALORIFIC VALUE 3.4KW/KG.
b) Does the fuel comply with European or equivalent fuel quality standards such as CEN/TS 335 or ONORM? Please provide details.	
YES SEE ATTACHED DOCUMENT	

c) Describe what fuel quality control procedures will be adopted to guarantee constant fuel quality from your supplier.

VIRGIN TIMBER FROM SUSTAINABLE FORESTS. ALL TIMBER USED FOR CHIP HAS FORESTRY COMMISSION FELLING LICENCE. ALL WOOD CHIP BSL APPROVED BY OFGEM

d) Provide evidence to demonstrate that the biomass boiler combustion system is applicable to the fuel specification.

SEE ATTACHED DATA SHEET

4. Building Details

The dimensions of and distance to neighbouring buildings will determine the effect they have on the dispersion of the plume and therefore the height of the stack needed. Your installer should be able to provide this information.

a) Detail the dimensions of all existing and proposed buildings (including the boiler house) within a radius of 5 times the boiler exhaust stack height.

Building description	Height, m	Width, m
A DRIER SHED	9	20
B STORAGE SHED	9	20
C WORKSHOP	6	15
D		
E		
F		
G		

b) Indicate the distance from the boiler exhaust stack to the nearest fan assisted intakes and openable windows.

APPROX 250M

5. ADDITIONAL INFORMATION

a) Have you attached a copy of your air quality assessment (Please delete as appropriate)

YES/

b) Have you attached a copy of your boiler emissions test report (Please delete as

appropriate)

YES/

Operating Instructions
Lambdamat Kommunal S/H



Translation of the original German operating instructions for the operator

Read and follow the instructions and safety information!

Technical changes, typographical errors and omissions reserved!

B0700211_en



2.4 Permitted uses

The Fröling Lambdamat Communal is designed exclusively for heating domestic water. Only use fuels specified in the "Permitted fuels" section.

⇒ See "Permitted fuels" [page 10]

The boiler should only be operated when it is in full working order. It should be operated in accordance with the instructions, observing safety precautions, and you should ensure you are aware of the potential hazards. The inspection and cleaning intervals in these operating instructions should be observed. Ensure that any malfunctions which might impact safety are traced and removed immediately. The manufacturer and supplier are not liable for any damage resulting from non-permitted uses.

2.4.1 Permitted fuels

Wood chips

Criterion	ÖNORM M 7133	CEN/TS 14961	Description as per ÖNORM M 7133
Water content	W20	M20	Air dried
	W30	M30	Suitable for storage
	W35	-	Limited suitability for storage
	W40	M40	High-moisture wood chips
	W50	-	Freshly harvested wood chips
Size	G30	P16	Fine wood chips
	G50	P45	Medium wood chips
	G100	P63/100	Coarse wood chips (for hydraulic feeders only)

Note on standard

Austria:	ÖNORM M 7133 or EN 14961
Germany:	Wood chips as per §3 (1) point 4 of the First Federal Emissions Protection Ordinance (BlmSchV) - applicable version Specifications as per DIN CEN/TS 14961 and/or ÖNORM M 7133

Wood shavings

Wood shavings generally cause problems with combustion. Therefore their use is permitted only with authorisation from Fröling. The following additional points also apply:

- Sawdust and carpentry waste should only be used with systems with a rotary valve.
- The store should be fitted with a pressure release device in accordance with regional regulations.
- The same limits apply for the permitted water content of sawdust as for wood chips.

2.4.2 Non-permitted fuels

The use of fuels not defined in the "Permitted fuels" section, and particularly the burning of refuse, is not permitted.



CAUTION

In case of use of non-permitted fuels:

Burning non-permitted fuels increases the cleaning requirements and leads to a build-up of aggressive sedimentation and condensation, which can lead to damage to the boiler and also invalidates the guarantee. Using non-standard fuels can also lead to severe faults with combustion.

For that reason, when operating the boiler:

- Only use permitted fuels

2.4.3 Qualification of operating staff



CAUTION

If unauthorised persons enter the Boiler room:


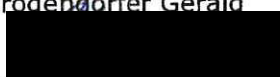
Risk of personal injury and damage to property

- The operator is responsible for keeping unauthorised persons, in particular children, away from the system.

Only trained operators are permitted to operate the unit. The operator must also have read and understood the instructions in the documentation.



This certificate provides evidence that the tested boiler meets the air quality requirements of the non-domestic Renewable Heat Incentive (RHI). It must be issued by a testing laboratory. Applicants applying for the RHI with biomass boilers must submit a certificate with their application, or alternatively, an environmental permit.

1. TEST HOUSE	
a) name, address and logo of testing laboratory	TÜV AUSTRIA SERVICES GMBH Am Thalbach 15 A-4600 Thalheim/Wels 
b) name and signature of the person authorised by the testing laboratory to issue the certificate	Schrögendorfer Gerald 
c) date of issue of the certificate together with certificate reference number	Date of issue: 16/12/2013 Certificate reference number: 13-UW/Wels-EX-055, RHI Cert Fröling_ TÜV Austria_Lambdamat 1000_131216
d) if testing laboratory is accredited to ISO 17025, date of accreditation and accreditation number <i>(note: if testing conducted after 24 September 2013, the testing laboratory must be ISO 17025 accredited)</i>	TÜV AUSTRIA SERVICES GMBH 01/07/2007, Id.No 274 (before 01/07/2007: TÜV Austria, Id.No. 10)

2. PLANT	
a) name of the plant tested (family of design)	Lambdamat
b) model of the plant tested	Lambdamat 1000
c) manufacturer of the plant tested	Fröling Heizkessel- und Behälterbau GesmbH
d) installation capacity of the plant in kilowatts (kW, nominal heat output)	999
e) is the plant a <u>manually stoked, natural draught</u> plant? (that is, without a fan providing forced or induced draught)	No
f) the date the plant was tested Emission tests (NOx, dust,...) at nominal heat output	07/10/2008
g) list of all the plants in the type-testing range of plants to which the certificate applies, if any ¹	Not applicable

¹ The type-testing approach enables testing laboratories to provide assurance that all boilers in a given range meet the air quality requirements, without needing to specifically test each boiler.

3. FUELS	
a) types of fuels used when testing	Wood chips
b) based on the testing, list the range of fuels that can be used in compliance with the emission limits of 30 grams per gigajoule (g/GJ) net heat input for particulate matter (PM), and 150 g/GJ net heat input for oxides of nitrogen (NOx) (based if relevant on classifications from EN14961 or EN303-5)	EN 14961-4, class A2
c) moisture content of the fuel used during testing	w = 28 %
d) maximum moisture content of the fuel which can be used so as to ensure that the emission limits are not exceeded	w = 35 %, in the heat output range > 65 % of nominal heat output: w = 50 %

4. TESTS	
a) if the plant is 500kW or lower, and BS EN 303-5:1999 or EN 303-5:2012² applies to it , please confirm: - tests were conducted to whichever standard was current at the time of testing. (please circle the applicable standard)	BS EN 303-5:1999: yes/no BS EN 303-5:2012: yes/no <u>not applicable</u>
b) if the plant is 500kW or lower, and BS EN 303-5:1999 or BS EN 303-5:2012 do not apply to it , please confirm: - emissions of PM represent the average of at least three measurements, each of at least 30 minutes duration and; - the value for NOx emissions is derived from the mean of measurements made throughout the PM tests.	<u>yes/no/</u> <u>not applicable</u> <u>yes/no/</u> <u>not applicable</u>
c) if the plant is 500kW or higher , please confirm: - emissions of PM represent the average of at least three measurements, each of at least 30 minutes duration and; - the value for NOx emissions is derived from the mean of PM measurements made throughout the PM tests.	<u>yes/no/</u> not applicable <u>yes/no/</u> not applicable
d) please confirm the tests were conducted to: - EN 14792:2005 in respect of NOx, and; - EN 13284-1:2002 or ISO 9096:2003 in respect of PM ³	<u>yes/no</u> <u>yes/no</u>
e) please confirm the plant tested at ≥85% of its rated output	<u>yes/no</u>
f) please confirm the tests show that emissions were no greater than 30 g/GJ PM and 150 g/GJ NOx	<u>yes/no</u>
g) measured emissions of PM in g/GJ net heat input ⁴	23
h) measured emissions of NOx in g/GJ net heat input ⁴	71

² BS EN303-5:1999 and 2012 explain what should be measured and when.

³ These standards explain how to make the PM and NOx measurements.

⁴ Emission data given in point 4g and 4 h determined at nominal heat output

DEVELOPMENT MANAGEMENT REVIEW COMMITTEE

APPLICATION FOR REVIEW

**APPEAL AGAINST CONDITION 1 OF PLANNING PERMISSION REF
18/00565/FULL – CHANGE OF USE OF BUILDINGS AND LAND TO USE
AS BIOMASS FUEL PRODUCTION BUSINESS, INCLUDING SITING OF
PORTABLE SITE OFFICE AND PROPOSED ERECTION OF STORAGE
BAYS AND EXTENSION TO EXISTING SHED AND FLUES AT
DRAGONHALL FARM, PADANARAM, FORFAR**

APPLICANT'S SUBMISSION

Page No

ITEM 1 Notice of Review

ITEM 2 Appeal Letter



Angus House Orchardbank Business Park Forfar DD8 1AN Tel: 01307 473360 Fax: 01307 461 895 Email: plnprocessing@angus.gov.uk

Applications cannot be validated until all the necessary documentation has been submitted and the required fee has been paid.

Thank you for completing this application form:

ONLINE REFERENCE 100210291-001

The online reference is the unique reference for your online form only. The Planning Authority will allocate an Application Number when your form is validated. Please quote this reference if you need to contact the planning Authority about this application.

Applicant or Agent Details

Are you an applicant or an agent? * (An agent is an architect, consultant or someone else acting on behalf of the applicant in connection with this application)

Applicant Agent

Agent Details

Please enter Agent details

Company/Organisation:	<input type="text" value="Angus Biofuels"/>		
Ref. Number:	<input type="text"/>	You must enter a Building Name or Number, or both: *	
First Name: *	<input type="text" value="WILLIAM"/>	Building Name:	<input type="text" value="ECO PARK"/>
Last Name: *	<input type="text" value="WATSON"/>	Building Number:	<input type="text" value="1"/>
Telephone Number: *	<input type="text" value="01307 466699"/>	Address 1 (Street): *	<input type="text" value="CARSEVIEW ROAD"/>
Extension Number:	<input type="text"/>	Address 2:	<input type="text"/>
Mobile Number:	<input type="text"/>	Town/City: *	<input type="text" value="FORFAR"/>
Fax Number:	<input type="text"/>	Country: *	<input type="text" value="SCOTLAND"/>
		Postcode: *	<input type="text" value="DD8 3BS"/>
Email Address: *	<input type="text" value="bill@angusbiofuels.co.uk"/>		

Is the applicant an individual or an organisation/corporate entity? *

Individual Organisation/Corporate entity

Applicant Details

Please enter Applicant details

Title:	Mr	You must enter a Building Name or Number, or both: *	
Other Title:		Building Name:	ECO PARK
First Name: *	STEVEN	Building Number:	3
Last Name: *	WATSON	Address 1 (Street): *	CARSEVIEW ROAD
Company/Organisation:	ANGUS BIOFUELS	Address 2:	
Telephone Number: *	01307466699	Town/City: *	FORFAR
Extension Number:		Country: *	ANGUS
Mobile Number:	07716245298	Postcode: *	DD8 3BS
Fax Number:			
Email Address: *	STEVE@ANGUSBIOFUELS.CO.UK		

Site Address Details

Planning Authority:	Angus Council
Full postal address of the site (including postcode where available):	
Address 1:	DRAGONHALL FARM
Address 2:	PADANARAM
Address 3:	
Address 4:	
Address 5:	
Town/City/Settlement:	FORFAR
Post Code:	DD8 1PX

Please identify/describe the location of the site or sites

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Northing	751663	Easting	342276
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Description of Proposal

Please provide a description of your proposal to which your review relates. The description should be the same as given in the application form, or as amended with the agreement of the planning authority: *
(Max 500 characters)

CHANGE OF USE OF BUILDINGS AND LAND TO USE AS BIOMASS FUEL PRODUCTION BUSINESS, INCLUDING SITING OF PORTABLE OFFICE AND PROPOSED ERECTION OF STORAGE BAYS AND EXTENSION TO EXISTING SHED AND FLUES.

Type of Application

What type of application did you submit to the planning authority? *

- Application for planning permission (including householder application but excluding application to work minerals).
- Application for planning permission in principle.
- Further application.
- Application for approval of matters specified in conditions.

What does your review relate to? *

- Refusal Notice.
- Grant of permission with Conditions imposed.
- No decision reached within the prescribed period (two months after validation date or any agreed extension) – deemed refusal.

Statement of reasons for seeking review

You must state in full, why you are seeking a review of the planning authority's decision (or failure to make a decision). Your statement must set out all matters you consider require to be taken into account in determining your review. If necessary this can be provided as a separate document in the 'Supporting Documents' section: * (Max 500 characters)

Note: you are unlikely to have a further opportunity to add to your statement of appeal at a later date, so it is essential that you produce all of the information you want the decision-maker to take into account.

You should not however raise any new matter which was not before the planning authority at the time it decided your application (or at the time expiry of the period of determination), unless you can demonstrate that the new matter could not have been raised before that time or that it not being raised before that time is a consequence of exceptional circumstances.

Removal of Condition 1 as per attached statement.

Have you raised any matters which were not before the appointed officer at the time the Determination on your application was made? *

Yes No

If yes, you should explain in the box below, why you are raising the new matter, why it was not raised with the appointed officer before your application was determined and why you consider it should be considered in your review: * (Max 500 characters)

Please provide a list of all supporting documents, materials and evidence which you wish to submit with your notice of review and intend to rely on in support of your review. You can attach these documents electronically later in the process: * (Max 500 characters)

Please see attached statement

Application Details

Please provide details of the application and decision.

What is the application reference number? *

18/00565/FULL

What date was the application submitted to the planning authority? *

25/03/2019

What date was the decision issued by the planning authority? *

21/11/2019

Review Procedure

The Local Review Body will decide on the procedure to be used to determine your review and may at any time during the review process require that further information or representations be made to enable them to determine the review. Further information may be required by one or a combination of procedures, such as: written submissions; the holding of one or more hearing sessions and/or inspecting the land which is the subject of the review case.

Can this review continue to a conclusion, in your opinion, based on a review of the relevant information provided by yourself and other parties only, without any further procedures? For example, written submission, hearing session, site inspection. *

Yes No

In the event that the Local Review Body appointed to consider your application decides to inspect the site, in your opinion:

Can the site be clearly seen from a road or public land? *

Yes No

Is it possible for the site to be accessed safely and without barriers to entry? *

Yes No

Checklist – Application for Notice of Review

Please complete the following checklist to make sure you have provided all the necessary information in support of your appeal. Failure to submit all this information may result in your appeal being deemed invalid.

Have you provided the name and address of the applicant? *

Yes No

Have you provided the date and reference number of the application which is the subject of this review? *

Yes No

If you are the agent, acting on behalf of the applicant, have you provided details of your name and address and indicated whether any notice or correspondence required in connection with the review should be sent to you or the applicant? *

Yes No N/A

Have you provided a statement setting out your reasons for requiring a review and by what procedure (or combination of procedures) you wish the review to be conducted? *

Yes No

Note: You must state, in full, why you are seeking a review on your application. Your statement must set out all matters you consider require to be taken into account in determining your review. You may not have a further opportunity to add to your statement of review at a later date. It is therefore essential that you submit with your notice of review, all necessary information and evidence that you rely on and wish the Local Review Body to consider as part of your review.

Please attach a copy of all documents, material and evidence which you intend to rely on (e.g. plans and Drawings) which are now the subject of this review *

Yes No

Note: Where the review relates to a further application e.g. renewal of planning permission or modification, variation or removal of a planning condition or where it relates to an application for approval of matters specified in conditions, it is advisable to provide the application reference number, approved plans and decision notice (if any) from the earlier consent.

Declare – Notice of Review

I/We the applicant/agent certify that this is an application for review on the grounds stated.

Declaration Name: Mr WILLIAM WATSON

Declaration Date: 03/12/2019

S. WATSON FARM

Dragonhall Farm
Padanaram
By Forfar DD8 1PZ

Correspondence Address: Unit 3 – Eco Park, Carseview Road Forfar, DD8 3BS
tel: 01307 466699
mobile: 07716245299
e-mail address: steve@angusbiofuels.co.uk

PLANNING REFERENCE 18/00565

2 December 2019

CONDITION NO 1.

Dear Sir,

I would like to apply for a relaxation and removal of Condition 1 for the implementation for landscaping along the eastern boundary for the following reasons:

The wood fuel production depot has been in operation for over 10 years producing natural sustainable wood fuel for use in biomass boilers used by local Councils for schools and the NHS for hospitals. The original plant was partially funded by the Scottish Government to assist in establishing a sustainable wood fuel depot to help in the government achieve its target to reduce CO2 emissions in the fight against global warming.

The wood fuel produced is also used by Housing Associations who provide low cost heat to their tenants experiencing fuel poverty we provide affordable heating due to our current low production costs at Dragonhall.

We keep the production costs low by naturally drying the timber stacks for up to 9 months, stacking the round lengths of timber in the direction of East to West. This allows the maximum air flow through the timber from the prevailing westerly wind. This natural process will reduce the moisture content from 65% to 30% in the summer months. This is recognized by the Forestry Commission as best practice.

The next stage in the process is to chip the timber into the storage shed ready for dispatch.

In the winter months we only use biomass boilers to dry the wet chip as and when required as this is a more costly production method using electricity and wood fuel it also produces noise and flue gas emissions which we try to keep to a minimum. This is required to get our fuel below 30% moisture content to comply with our client's biomass boiler specifications and satisfying Environmental Health criteria.

If the proposed landscape strip were planted this would create a natural obstruction to the air flow through the stacks and therefore we would have to mechanically dry more timber which would result in our production costs rising which we would ultimately have to pass onto our clients whose primary aim is to provide low cost heating using carbon neutral fuel.

Condition 1 would reduce our current depot storage capacity which would have a detrimental impact on our business operations and viability to grow.

A tree and hedge screen would also have an impact on my agricultural business which I am a sole trader and would affect the ground moisture content and ripening of my crops grown in the adjacent field which is class 3 arable status.

Please consider the above material points which replace the reason given as interest of visual amenity, we personally do not find the timber stacks unappealing as they are part of our agricultural and forestry industry and a common sight throughout the Angus rural areas.

I hope you understand my concerns. All other conditions are acceptable.

Kind Regards



Steven Watson

VAT REG NO: 335 6851 82