

DATE: 01 May 2019

PREPARED BY: Sol Environment Ltd

TO: Biomass UK No.2 Ltd



Biomass UK No.2 Ltd

Planning Permission Summary

Barry Biomass Energy Facility

Please refer to the Table 1 below which provides a Planning Summary of the site thus far.

| Table 1: Planning Summary | | |
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| Date | Ref | Summary |
| 18/06/2008 | n/a | Request for screening opinion for a 9MW biomass gasification plant to generate electricity from reclaimed timber. |
| 19/08/ 2008 | PO/DC/2008/00828/SC1 | Screening opinion under the Town and Country Planning (Environmental Impact Assessment) (England and Wales) Regulations 1999. Concluded that although the proposal was considered to fall within Schedule 2 paragraph 3(a) of the 1999 EIA Regulations, the Council's opinion was that an EIA was not required given the characteristics of the development, its location and potential impacts. |
| 05/10/2008 | 2008/01203/FUL | Planning application submitted. In accordance with the councils screening opinion, no environmental statement accompanied the application. |
| 17/06/ 2009 | n/a | Welsh Assembly Government (WAG) issued a screening direction under 1999 EIA Regs stating that the development was EIA Development |
| 07/07/2009 | n/a | WAG withdrew the screening direction made on 17 th June stating that it would not be appropriate to consider the proposed process to be incineration and that the proposed development is not EIA development. |
| 31/08/2009 | 2008/01203/FUL | Council refused planning application. |
| 02/07/2010 | APP/Z6950/A/09/2114605 | Planning appeal was made and an Environmental Statement was voluntarily prepared and submitted to the Inspector as part of the appeal submission. A planning inspector granted planning permission on behalf of the Secretary of State on 2 nd July 2010. |
| 12/01/2015 | 2015/00031/OUT | Outline planning application submitted for a revised development proposal due to change in manufacture of the technology, layout and elevation changes. |
| 11/06/2015 | n/a | Council issued a screening opinion which concluded that while the development fell within Schedule 2 para 11(b) of the 1999 EIA regs, no further EIA was required. |
| 20/07/2015 | n/a | WAG responded to a request to make a screening direction from Friends of the Earth. WAG concluded that a screening direction by the Welsh Ministers is not required. |
| 31/07/2015 | 2015/00031/OUT | Council granted planning permission. |
| 10/10/2017 | 2017/01080/FUL | Planning application submitted for a variation to condition 5 of planning permission 2015/00031/OUT to include fire tank and building as well as relocation of parking. |
| 24/11/2017 | n/a | Welsh ministers received request to make a screening direction. |

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| 14/02/2019 | n/a | Welsh ministers issue letter notifying intention to make a direction (nearly 15 months later). |
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Please refer to Table 2 below which provides the technical reports which were submitted as part of the 2008 Planning Application (2008/01203/FUL).

Table 2: 2008/01203/FUL – Planning Application

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| 08/09/2008 | Planning Statement | 816-891-SRB_PS | Planning statement for a 9MW biomass plant. | Superseded by 2015 Planning Application |
| 08/09/2008 | Elevations | SRB-04 Building Elevations | Site plans to accompany planning application. | Superseded by 2015 Planning Application |
| 08/09/2008 | Site Layout | SRB-05 Internal Layout | Site plans to accompany planning application. | Superseded by 2015 Planning Application |
| 08/09/2008 | Site Photographs | SRB- 06_Site_ Photographs | Site plans to accompany planning application. | Superseded by 2015 Planning Application |
| 08/09/2008 | Energy and Mass Balance | SRB-07 Mass_ | Process Energy / Mass Balance Diagram. | Not relevant anymore |
| 08/09/2008 | Planning Policy Statement | SRB-B Policy Review | The document outlines the policies relevant to the application. | Superseded by 2015 Planning Application |
| 08/09/2008 | Waste Audit and Facilities Strategy | SRB-C Waste Audit and Facilities Strategy | The document provides an estimation of the type and quantity of waste likely to be produced during the life of the development and identification of waste management targets. | Superseded by 2015 Planning Application |
| 08/09/2008 | Flood Risk Assessment | SRB-J-RSK Flood Risk Assessment | The documents provides an assessment of flood risk. | Most up to date version and used as part of the 2015 planning application |
| 08/09/2008 | Groundsure maps | SRB-F Groundsure Report Extract – Maps | Provides environmental maps of the surrounding area. | Most up to date version |
| 08/01/2009 | Green Travel Plan | 200801203 Green Travel Plan | Sent in as additional information. | Superseded by Condition 29 in 2015 Planning Permission |
| 08/01/2009 | Sustainability Statement | 200801203 Sustainability Statement | Sent in as additional information. | Could potentially need to be updated? |
| 08/01/2009 | Fuel Supply Assessment | 200801203FUL SRB_P Fuel Supply Assessment | Sent in as additional information. | Current |
| 21/01/2009 | Transport Assessment | 200801203FUL SRB_S Transport Assessment | Sent in as additional information. | Superseded by 2015 Planning Application |



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| 23/01/2009 | Ecology Report | 200801203FUL Ecology Report | Sent in as additional information. | Superseded by 2015 Planning Application |
| 24/03/2009 | Air Quality Assessment | 200801203FUL SRB_K Air Quality Assessment Report AMENDED | Sent in as additional information. | Superseded by 2015 Planning Application |
| 24/03/2009 | Noise Assessment | 200801203FUL Supplementary Noise Assessment | Sent in as additional information. | Superseded by 2015 Planning Application |

Please refer to Table 3 below which provides the technical reports which were submitted as part of the 2008 Appeal (2008/01203/FUL).

Table 3: Appeal – 2008/01203/FUL

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| December 2009 | Voluntary Environmental Statement | Environmental Statement | The ES was prepared voluntarily as part of the appeal. The ES united all the submitted documents that were submitted as part of the planning application along with a landscape assessment not previously seen by the council. | Superseded by Planning Statement for 2015 Planning Application |
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Please refer to Table 4 below which provides the technical reports which were submitted as part of the 2015 Planning Application (2015/00031/OUT).

Table 4: 2015/00031/OUT – Planning Application

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| 09/02/2015 | Planning Statement | Planning Statement and Design and Access Statement | Planning statement detailing a revised development proposal to the sites 2010 planning permission due to change in manufacture of the technology, layout changes and elevation changes. | Current apart from changes addressed in the 2017/01080/FUL planning application |
| V1 – 09/02/2015 V2 – 16/04/2015 | Site Location Plan | V1 - Appendix 1 – Location Plan (2014) V2 - Appendix 1 – Location Plan (2015) | Site plans to accompany planning application. | V2 is current |
| 09/02/2015 | Stack Height Assessment | Appendix 2 – Air Emissions Analysis (2014) | This document provides an assessment to determine the correct stack height from the plant. It was concluded that the proposed stack height of 43m has been assessed to be sufficient for adequate dilution and dispersion of residual emissions from the plant and it is shown that there would only be very minor appreciable benefits gained by increasing the stack height further. | Current and is referenced in the AQA for the permit application which was assessed and approved by Natural Resources Wales |



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| V1 – 09/02/2015 V2 – 16/04/2015 | Site Layout | Appendix 3 – Layout (2014) | Site plans to accompany planning application. | Superseded by the site plans used in the 2017/01080/FUL planning application |
| V1 – 09/02/2015 V2 – 22/07/2015 | Elevations | Appendix 4 – Elevations (2014) | Site plans to accompany planning application. | Superseded by the site plans used in the 2017/01080/FUL planning application |
| 09/02/2015 | Traffic Movement Plan | Appendix 5 – Traffic Movement plan (2014) | Site plans to accompany planning application. | Superseded by the site plans used in the 2017/01080/FUL planning application |
| 09/02/2015 | Policy Appraisal | Appendix 6 – Policy Appraisal (2014) | This document provides information on any changes to policy considerations since the 2010 planning permission was granted. | A review could take place on if there have been any changes to policy considerations for the 2017 planning application? |
| 09/02/2015 | Visual Impact Analysis | Appendix 7 – Visual Impact Analysis (2015) | This document addresses issues relating to the Visual impact of the proposed changes by way of update of the previous Visual Impact Assessment for the Project prepared for the 2010 planning permission. | Most up to date version and used in the 2017 planning application. |
| 09/02/2015 | Ecological Assessment | Appendix 8 – Ecology Report (2014) | This assessment was carried out to review the ecological consideration pertaining to the site taking into consideration the ecological survey that was submitted as part of the 2010 planning permission. | Current - most up to date version and used in the 2017 planning application |
| 09/02/2015 | Noise Assessment | Appendix 9 – Noise Assessment (2014) | This assessment was carried out to review the applicability of the noise assessment report and letters that were submitted as part of the 2010 planning permission. | Superseded by the noise assessment submitted as part of the permit application which was assessed and approved by Natural Resources Wales |
| 09/02/2015 | Transport Statement | Appendix 10 – Transport Statement (2014) | The assessment was carried out to assess the implications of the proposed changes to the 2010 planning application in terms of highway and access considerations. | Most up to date version and used in the 2017 planning application |
| 09/02/2015 | Groundsure Geology and Ground Stability Report | Appendix 11 – Geology and Stability Report (2009) | Provides information on the geology and ground stability of the site. | Most up to date version |
| 09/02/2015 | GroundSure Environmental Data Report | Appendix 12 – Environmental Data Report (2009) | Provides information on the environmental of the site and surrounding site. | Most up to date version |



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| 09/02/2015 | Flood Risk Assessment | Appendix 13 – Flood Risk Assessment (2009) | Provides an assessment of flood risk. Was used for the 2010 planning application and was not updated for the 2015 application due to no change in flood risk. | Most up to date version and used in the 2017 planning application. |
| 09/02/2015 | Noise Background Survey | BARRY_Noise Background Survey Letter 13.03.15 | Submitted as additional information during the determination of the planning application. A noise background survey was requested by the council in support of the noise assessment that was submitted. | Superseded by the noise assessment submitted as part of the permit application which was assessed and approved by Natural Resources Wales |
| V1 – 05/05/2015 V2 – 12/06/2015 | Air Quality Assessment | V1 – Barry Air Quality V2 – Barry Air Quality v2 | Submitted as additional information during the determination of the planning application. The report includes detailed emission modelling to full Industrial Emissions Directive requirements to predict the impacts associated with stack emissions from the site. | Superseded by V6 that was submitted as part of the permit application which was assessed and approved by Natural Resources Wales. |
| 16/06/2015 | NPA Waste Planning Assessment | Barry Waste Planning Assessment – signed | The reports sets out how the waste hierarchy has been considered in developing the proposals for the site for the application. | Current |

Please refer to Table 5 below which provides the technical reports which were submitted as part of the 2017 Planning Application (2017/01080/FUL).

Table 5: 2017/01080/FUL – Planning Application

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| V1 – 09/10/2017 V2 – 27/10/2017 | Planning Statement | Planning Statement | Variation to condition 5 of planning permission 2015/00031/OUT to include fire tank and building as well as relocation of parking. | Current however still undergoing determination |
| V1 – 09/10/2017 V2 – 27/10/2017 | Location Plan | Annex 1 – Location Plans | Site plans to accompany planning application. | Current however still undergoing determination |
| V1 – 09/10/2017 V2 – 27/10/2017 | Site Layouts and Elevations | Annex 2 – Site Layouts and Elevations (2017) | Site plans to accompany planning application. | Current however still undergoing determination |
| V1 – 09/10/2017 V2 – 27/10/2017 | Orientation Plan | Annex 3 – Orientation Plan by Reference to 2015 Layout Drawing | Site plans to accompany planning application. | Current however still undergoing determination |
| V1 – 06/11/2017 V2 – 15/12/2017 V3 – 05/01/2018 V4 – 19/03/2018 | Parking Layout and Access | BARRY_19_DWG_01_4002_2_A | Amended site plan due to request from the Highway Authority. | Current however still undergoing determination |



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| 17/01/2018 | Traffic Movement Plan | BARRY_01_DWG_01_2011 5_C | Site plan to accompany planning application. | Current however still undergoing determination |
| 17/01/2018 | Elevations | E1627-2117 to 2120 RevB Elevations (A-A) E1627-2118 to 2120 RevB Elevations (B-B) E1627-2119 to 2120 RevB Elevations(C-C) E1627-2120 to 2120 RevB Elevations (D-D) | Elevations from 2015 Planning Application. | Current however still undergoing determination |
| 17/01/2018 | Stack Height Assessment | Appendix 2 – Air Emissions Analysis (2014) | Taken from 2015 Planning Application. | Current and is referenced in the AQA for the permit application which was assessed and approved by Natural Resources Wales |
| 17/01/2018 | Visual Impact Analysis | Appendix 7 – Visual Impact Analysis (2015) | Taken from 2015 Planning Application. | Current – however could be updated to reflect new elevations? |
| 17/01/2018 | Ecological Assessment | Appendix 8 – Ecology Report (2014) | Taken from 2015 Planning Application. | Current - most up to date version |
| 17/01/2018 | Transport Statement | Appendix 10 – Transport Statement (2014) | Taken from 2015 Planning Application. | Current – however could be updated to reflect parking layout and new travel layout plan? |
| 17/01/2018 | Flood Risk Assessment | Appendix 13 – Flood Risk Assessment (2009) | Taken from 2015 Planning Application. | Hasn't been updated since 2008 and used by all planning applications |
| 17/01/2018 | Air Quality Assessment | V2 – Barry Air Quality v2 | Taken from 2015 Planning Application. | Superseded by V6 that was submitted as part of the permit application which was assessed and approved by Natural Resources Wales |
| 17/01/2018 | Additional Site Services Plans | BARRY_01_DWG_01_2013 5_A BARRY_19_DWG_01_4010 1_A | Additional site plans to accompany planning application. | Current |



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| | | BARRY_19_DWG_01_4010 2_A BARRY_19_DWG_01_4010 3_A BARRY_19_DWG_01_4010 4_A BARRY_19_DWG_01_4010 5_A BARRY_19_DWG_01_4010 6_A BARRY_01_DWG_01_2013 6_C BARRY_01_DWG_21_2011 8_A | | |
| 17/01/2018 | Drainage Management | BARRY_01_SPEC_01_2000 6_A | Document details the drainage management for site. | Current |
| V1 – 17/01/2018 V2 – 07/03/2018 | Dust and Emission Management Plan | Condition 11 Discharge | Dust and Emission Management Plan which makes up part of the sites Environmental Management System. Required for Condition 11 discharge on 2015 Planning Permission. | Current |
| 17/01/2018 | General Site and Process Areas Lux Levels Lighting Layout | Condition 12 - Site Lighting Layout | Site plan to accompany planning application. Required for Condition 12 discharge on 2015 Planning Permission. | Current |
| 17/01/2018 | Cycle Parking Details | Condition 20 Discharge Glasdon Midi Bi-minder data | Details on cycle parking on site. Required for Condition 20 discharge on 2015 Planning Permission. | Current |
| 17/01/2018 | Green Travel Plan Details | Condition 29 Discharge | Details on the green travel plan. Required for Condition 29 discharge on 2015 Planning Permission. | Current |
| 17/01/2018 | Waste Disposal Status of the Project | Explanation of Project Waste Status | Submitted as part of 2015 Planning Application. | Current |
| 17/01/2018 | Noise Assessment | Noise Assessment (2014) HA Noise Report 05.03.15 15.3679_Results | Submitted as part of 2015 Planning Application. | Superseded by the noise assessment submitted as part of the permit application which |



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| | | | | was assessed and approved by Natural Resources Wales. |
| V1 – 17/01/2018 V2 – 07/03/2018 | Surface Water Drainage Works | V1 – Planning Condition 2015-00031-OUT_(13) V2 – Condition 13 Discharge - revised@07.03.18 | Required for Condition 13 discharge on 2015 Planning Permission. | Current |
| 23/03/2018 | Swept Path Plans | BARRY_19_DWG_01_4002_3_A BARRY_19_DWG_01_4002_4_A BARRY_19_DWG_01_4002_5_A | Site plans to accompany planning application. | Current |
| 24/08/2018 | Acoustic Design Note | P1714-ADN015-BDH | Submitted as additional information. | Current |

Please refer to Table 6 below which provides the technical reports which were submitted for the permit application to Natural Resources Wales.

Table 6: NRW Permit Application Technical Documentation

| Date | Title | Document Ref | Summary of Report | Comment (does it need updating or is it current / relevant) |
|------------------------------------|-------------------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| V1 – 05/05/2015 V6 – 11/07/2017 | Air Quality Impact Assessment | Barry Air Quality v6 | <p>The report includes detailed emission modelling to full Industrial Emissions Directive requirements to predict the impacts associated with stack emissions from the site.</p> <p>The report concludes that for a proposed stack height of 43m, predicted maximum off-site process concentrations are well within the relevant air quality standards for all pollutants considered. The significance of the impacts has been assessed as negligible, in accordance with the Environment Agency's risk assessment guidance. The predicted process contributions are also negligible compared with the critical levels and critical loads for nutrient nitrogen deposition and acidification at nearby statutory and locally designated sensitive habitat sites.</p> | Current and has been assessed and approved by Natural Resources Wales |



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| V1 – 20/10/2016 V2 – 14/07/2017 V3 – 22/08/2018 | Fire Prevention Plan | SOL14605BUK201 – Site Condition Report | The plan provides a structured framework and approach in effectively preventing and potential fires associated with the processing and storage operations at the site. | Current and has been assessed and approved by Natural Resources Wales |
| V1 – 20/10/2016 | H5 Assessment – Site Condition Report | SOL14605BUK201 – Site Condition Report | This document provides baseline information in relation to the site. The assessment concludes that the potential for the site to impact on soil and groundwater underlying the installation is considered to be low. | Current and has been assessed and approved by Natural Resources Wales |
| V1 – 26/06/2016 V2 – 02/03/2017 | Human Health Risk Assessment | PCML Barry HHRA Revised V2 | The report provides an assessment on the effects on human exposure from emissions to air from the site. The report concludes that for the maximally exposed individual, exposure to dioxins, furans and dioxin-like PCBs is not significant. | Current and has been assessed and approved by Natural Resources Wales |
| V1 – 14/07/2017 | Noise Impact Assessment | P1714-REP02-SJF | The report provides a comprehensive acoustic assessment, which provides full details of the anticipated environmental noise output of the installation as arising from all individual plant and processes individually quantified, all as occurring at all noise sensitive receptors (NSRs) within the vicinity of the plant. This is compared to the measured, pre-existing daytime and night time noise climate, and takes full account of the effects of all proposed, clearly defined noise mitigation measures, such as the use of acoustically enclosed plant, stack silencers, uprated building envelope wall constructions and acoustic cladding etc. | Current and has been assessed and approved by Natural Resources Wales |