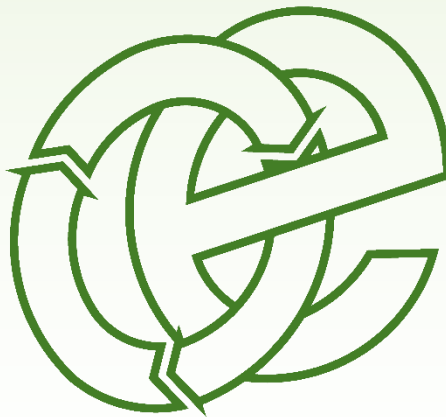


ENVIRONMENTAL MANAGEMENT SYSTEM

Crompton Road, Ilkeston, Derbyshire

Stanton Energy Ltd

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Drawing No. 003-058-03 – Site Layout Plan

Appendix II - Record Keeping Forms

SEL/RF/1 - Waste Input Record Form

SEL/RF/2 - Rejected Waste

SEL/RF/3 - Waste Output Record Form

SEL/RF/4 - Site Diary/Inspection Form

SEL/RF/6 - Employee Training Needs Assessment

SEL/RF/7 - Complaints Form

****The above forms are advisory only, alternative forms of the operator may be used electronically**

Appendix III - EWC Waste Code List for Accepted Wastes

Appendix IV - Health and Safety – Conditions of site use for staff and visitors

Appendix V - Process Description & Flow Diagram

Site Information & Key Contacts List

Site Address:	Crompton Road, Ilkeston, Derbyshire		
Site Operator:	Stanton Energy Ltd	National Grid Ref:	SK 47999 39325

<u>CONTACT</u>	<u>Description</u>	<u>Office Hours</u>	<u>Out of Hours</u>
Alan Cook	Director/Operator	0115 930 8144	0115 930 8144
Ilkeston Community Hospital Heanor Rd, Ilkeston DE7 8LN	Local NHS Hospital (Main) 24 hours	0115 930 5522	999
	Accident & Emergency (A&E)	0115 930 5522	999
Littlewick Medical Centre Nottingham Rd, Ilkeston DE7 5PR	Local Doctor Surgery (GP)	0115 932 5229	999
Broxtowe Police Station 9 Goldham Rd, Nottingham NG8 6NG	Local Police Non-Emergency	101 or 0115 967 0999	999
	Police Emergency	999	999
Environment Agency	Environmental Regulator	0800 80 70 60	0800 80 70 60
Derbyshire Fire and Rescue Ilkeston Fire Station, Derby Road	Fire and Rescue Service (In emergency dial 999)	01773 305305	999
Erewash Borough Council Town Hall, Wharnccliffe Rd, Ilkeston DE7 5RP	General Enquiries	0115 907 2244	999
	Environmental Health Dept.	0115 907 2244	0115 907 2244
Derbyshire County Council County Hall, Smedley St, Matlock DE4 3AG	Planning Authority	01629 533190	01629 533190
Electricity Provider	Planet 9 Energy Ltd	08081 648 636	08081 648 636
Severn Trent Water Halls Ln, Newthorpe NG16 2DE	Local Water Supplier / Sewerage Provider	0843 837 0761	0843 837 0761
Oaktree Environmental Ltd	Specialist Advisor (Waste and Planning Issues)	01606 558833	

1 General Considerations

1.1 Site operator/permit holder

1.1.1 Oaktree Environmental Ltd was commissioned by Stanton Energy Ltd to prepare an application for an Installation Environmental Permit (EP) for an Anaerobic Digestion (AD) plant at Crompton Road, Ilkeston, Derbyshire, in support of which this Environmental Management System has been prepared in accordance with the requirements of The Environmental Permitting (England and Wales) Regulations 2016.

1.2 Relevant contacts

1.2.1 The contact details for Stanton Energy Ltd are as follows:

Stanton Energy Ltd	Contact:	Alan Cook
Crompton Road, Ilkeston	Position:	Director
Derbyshire	Contact no:	0115 930 8144

1.2.2 Contact details for Oaktree Environmental are as follows:

Oaktree Environmental Ltd	Contact:	Chris Greenwood
Lime House, 2 Road Two	Position:	Principal Consultant
Winsford, Cheshire	Tel:	01606 558833
CW7 3QZ	E-mail:	cg@oaktree-environmental.co.uk

1.3 Site location, description and planning status

1.3.1 The site is located on Land at Crompton Road, Ilkeston, Derbyshire as shown on Drawing No. 058-003-02. The national grid reference for the site is SK 47999 39325. The site is located approximately 4km to the south of Ilkeston.

1.3.2 The application site is located on part of the former Stanton Ironworks at the southern end of the Crompton Road industrial complex. It occupies an area of 0.44ha and is currently operated as a composting site contained within a larger waste management

site.

1.3.3 Access to the site is gained via Merlin Way/Crompton Road and a short length of private track as shown on Drawing No. 058-003-02.

1.3.4 Full planning permission for the operation was originally granted on 16 November 2017 (Ref: 8.1019.19) by Derbyshire County Council for the installation of an anaerobic digester and associated plant, buildings and machinery at the site. Reference should be made to Appendix V for a copy of the planning consent. This was subsequently superseded by further permission (allowing for extension to compliance with certain planning conditions. This was issued on 14 June 2019.

1.4 Permit area/ waste management operations

1.4.1 The permit boundary area is outlined in green on Drawing No. 058-003-02. All references to 'the site' in this Management System shall mean this area and the associated infrastructure, plant and equipment.

1.4.2 The Environmental Permit is required for the operation of an Anaerobic Digestion Facility, predominantly fuelled by food waste, grease, other liquid wastes, green waste/silage and other solid feedstocks.

1.4.3 The site layout is shown on Drawing Nos 058-003-03. AD is a biological process, which breaks down organic matter within biodegradable wastes in the absence of oxygen, through the actions of a variety of micro-organisms. The result of these processes is the production of biogas, which consists predominantly of methane (CH₄) and carbon dioxide (CO₂) and a useable digestate product which has environmental benefits when used in place of fertilisers.

1.4.4 The initial feedstock menu will be made up of the following materials:

- Manure
- Grass and Maize Silage
- Green waste

- Food waste
- Grease

1.4.5 In addition to the above the site may also accept the following feedstocks:

- Brewery Waste
- Filtrate from press process
- Contraband Material (Tobacco Material)
- Vegetables
- Dairy
- Bakery
- Kerbside food waste

1.4.6 The feedstocks are generated by sources local to the site. Green waste is already accepted at the site given the existing site operator's contract to accept kerbside collected green waste from the waste disposal authority. In addition to being composted, this waste would also provide the feedstock for the digester. Manure, straw, grass and maize silage will be sourced from local farms.

1.4.7 The solid feedstocks will be loaded into an external feed hopper by rubber wheeled shovel, and then automatically transferred via enclosed pipework to the primary digester. The food waste and grease components of the feedstock will be delivered to the site ready to feed into the system directly. These components will be delivered in tankers and pumped directly into the liquid input system to avoid any odour issues.

1.4.8 The AD process breaks down sulphur containing compounds over a several day retention time. This minimises potential for generation of odourous compounds, meaning that the digestate produced is virtually odourless.

1.4.9 Biogas will be fed from the digester/fermenter tanks into the National Grid via a grid entry unit.

1.4.10 A full breakdown of the plant process and flow is detailed in appendix VI.

1.4.11 The operations include waste recovery operations listed Annex IIA and IIB of The Waste Framework Directive 2000/442/EEC. These are summarised below:

R1: Use principally as a fuel or other means to generate energy.

R3: Recycling or reclamation of organic substances.

R13: Storage of waste pending recovery.

D10: Incineration on Land

1.5 Hours of operation

1.5.1 The AD process on site operates continuously for 24 hours per day, 7 days per week, except for periods of maintenance. The site will be open for the delivery and receipt of wastes/feedstocks and export of products according to the hours specified in the planning.

1.5.2 The only other activities on site which will be permitted outside of operational hours are onsite maintenance works, emergency deliveries of waste/plant/machinery and general office use.

1.5.3 During times where the site is closed or not in operation, the site will be locked and secured to prevent unauthorised vehicular and/or pedestrian access.

1.6 Waste types and quantities

1.6.1 The waste types and quantities which will be handled on site are listed in Section **Error! Reference source not found.**

1.6.2 A detailed breakdown of the waste types permitted will be attached to this management system in Appendix III.

1.7 Staffing and management

1.7.1 The site will open for the deposit of waste/feedstocks or for other essential operations during the hours listed in Section 1.4. The table below details the staff structure of the

site when operating at full capacity.

Table 1.1 - Staffing numbers and responsibilities

Position	Employees	Responsibilities
Director	2	Overall management of the business
Yard Operatives	1	Traffic marshals, mobile plant drivers, operators and general housekeeping

1.8 Health and safety

- 1.8.1 All operations on site will be carried out in accordance with the relevant requirements of the Health and Safety at Work Act 1974. Conditions of site use for employees, visitors and contractors are attached to this Management System as Appendix IV. These conditions will be shown to all site users and must be signed prior to using the site. Anyone refusing to comply with the conditions of use will be asked to leave the site.
- 1.8.2 Given the nature of the process, certain areas of the site are designated as explosion zones, due to the potential presence of gas. Within these zones, potential sources of ignition are strictly prohibited. Within the designated explosion zones, the only equipment permitted for use (electrical, mechanical or protective systems) are items of plant and equipment which meet the requirements of the Equipment and Protective Systems intended for Use in Potentially Explosive Atmospheres Regulations 1996. Signs should be erected on site to notify of explosion zones.
- 1.8.3 The use of portable electronic equipment including mobiles phones and cameras is strictly prohibited within the explosion zones.

1.9 Fit and proper persons

1.9.1 The site will assign a Technically Competent Manager (TCM) who provide the required attendance time at the facility as required by guidance periodically issued by the EA. A copy of the appointed TCM's Certificate of Technical Competence (COTC) will always be made available in the site office.

1.9.2 The company, through the TCM, will ensure that a nominated deputy is sufficiently trained and familiar with the EP and this EMS document in addition to all relevant company procedures who, in the absence of the TCM, will act the competent person. If either the TCM or deputy is changed, the EA will be informed of the change and the relevant details of the replacement as soon as possible.

1.10 Convictions

1.10.1 At the time of application, neither Stanton Energy Ltd nor any of the relevant people within the company had been convicted of a relevant offence.

2 Site Engineering and Infrastructure

2.1 Site description

2.1.1 The site is located as shown on Drawing Nos. 058-003-02. The site benefits from a number of parking spaces for staff, visitors, HGV's and trailers, as shown on Drawing No. 058-003-03.

2.2 Access and parking

2.2.1 The site is accessed from Merlin Way/Crompton Road. Parking will be available adjacent to the site entrance. Additional parking will be made available on the adjoining waste management site should this be necessary.

2.3 Site office

2.3.1 The documents listed below will be retained in the site office.

Documents to be retained in site office
The Environmental Permit (original & any subsequent variations) This Environmental Management System (EA agreed document) Current site diary (to record all inspections/visitors to the site) Environment Agency Inspection (CAR) forms In-house inspection sheets/recording forms Duty of care transfer notes (for 2 years minimum) Hazardous waste consignment notes (kept for 5 years) Waste delivery tickets Accident book (& 1st aid kit)

2.4 Notice board and signs

2.4.1 A notice board will be erected at the site entrance, which displays the following information:

- The site name and address.
- The name of the permit holder and operator.
- The Environmental Permit number and accompanying statement stating that the site is permitted by the Environment Agency.

- Environment Agency contact details, Emergency No. 0800 80 70 60 and
- General Enquires No. 03708 506 506.
- Operator's "out of hours" emergency contact details.
- Operating hours.

2.4.2 Additional signs will be displayed around the site for operational / health & safety purposes. All staff and visitors will be required to comply with the requirements of all signs whilst on site.

2.5 Site security

2.5.1 The facility will benefit from the security measures afforded to the wider site on which the AD facility will be located including a 2.4m palisade fencing to the northern and western perimeters of the site, a concrete wall and earth bund to the eastern perimeter and gated access to the west. These security measures will prevent unauthorised pedestrian and vehicular access to the site both during and outside of operational hours.

2.5.2 Additional security measures in place includes the following:

- Supervision of people entering site during normal working hours;
- Visitors are required to sign in and receive a site induction procedure before being permitted to enter the site;
- Signs are in place warning unauthorised people not to enter the site; and,

2.6 Fuel storage

2.6.1 Procedures for fuel storage on site are as follows:

- Tanks will be surrounded by a bund capable of containing a minimum of 110% of the volume of fuel stored in the tank.
- All pipework and associated infrastructure will be enclosed within the bund.
- A lock will be fitted to the tank valve to prevent unauthorised operation.
- All valves and gauges on the bund will be constructed to prevent damage caused by frost.
- No combustible waste will be stored within 6 metres of the tank.

2.6.2 The tank will be clearly marked showing the product within and also its capacity.

2.7 Rejected Waste

2.7.1 Any waste which is rejected will be stored in a quarantine skip with a maximum capacity of 2.5 tonnes and removed from the site within 48 hours. The location of this skip has not been included on Drawing No. 058-003-03 as the skip location may vary as operating conditions permit (i.e. to permit the loading of rejected wastes but clear labelling and management control will ensure its use as specified).

2.8 Drainage

2.8.1 Effluent/rainwater arising from the waste handling areas will be collected within a sealed drainage system and taken off site for treatment at a suitable permitted facility.

2.9 Vehicles, plant and equipment

2.9.1 The table below details the plant/equipment on site including that equipment specifically required for the implementation of this FPP. Only trained operators will be permitted to drive/operate the plant/equipment listed below.

Table 1.1 - Plant & Equipment

<i>ITEM</i>	<i>NUMBER</i>	<i>FUNCTION</i>
Loading shovel	1	Loading/unloading/movement of waste
AD Plant	1	Processing of feedstocks

2.10 Mobile and fixed plant maintenance

2.10.1 All mobile and fixed plant on site including vehicles in the fleet are subject to annual manufacturer maintenance to ensure proper working order in the form of service contracts.

2.10.2 Site management will undertake or delegate additional preventative maintenance checks on a more frequent basis i.e. daily, before, during and 1 hour at the end of each working day using a checklist similar to that in Appendix II to ensure the following:

- Machinery is mechanically sound for use and no presence of black fumes or trailing liquids visible prior to use or following shutoff of plant/equipment.
- All plant will be powered-down and completely shut off prior to cessation of operations on any given day.
- All plant and equipment vehicles are fitted with fire extinguishers in the cab. Rubber strips are not considered appropriate as they are usually removed via uneven and bumpy ground.
- Dust from processing/treatment operations on site can settle throughout the working day onto processing plant, plant exhausts and engine parts so a fire-watch will be implemented after cessation of works and equipment powered down for 1 hour each day to remove any dust/fluff using brushes, hoses etc... Any build of dust/fluff will be removed from the equipment and deposited into a container to await removal from site and site management informed.

3 Site Operations

3.1 Preliminary procedures

3.1.1 Guidance will be given by the site management to all employees, sub-contractors, other waste carriers and customers regarding the waste types and operations which are acceptable at the site i.e. a copy of Appendix III of this document. The site will be used for the acceptance, storage and processing of waste using Stanton Energy Ltd's own vehicles/contracts and also for third-party users/hauliers whose details would be checked prior to the delivery/collection of waste.

3.1.2 The procedures below would be followed prior to the receipt of waste on site.

3.1.3 When a driver employed by the permit holder arrives at the waste producer's premise's he/she will inspect the load for conformity with relevant regulations and safety procedures.

- a) If the load is satisfactory the driver will sign the relevant paperwork (Duty of Care transfer note/delivery ticket) and remove the load from the premises.
- b) If the waste does not meet the description stated on the controlled waste transfer note the customer is advised to check the note and give a more detailed description of the waste.
- c) If the more detailed description of the waste reveals that the waste is not/permitted at the recycling centre then the customer is advised that the waste must be taken to another site which is appropriately permitted to accept the waste(s).

3.1.4 If further instructions are needed the driver may also report back to the site manager.

3.2 Checking in & inspection of loads

3.2.1 All incoming vehicles are required to report to the site office. The details of the load will be recorded and the transfer note and company documentation will be further checked by the operator to ensure that the load is acceptable at the site. The weight

of all loads will be recorded a weighbridge or agreed WRAP conversion weights for loads where the weight is not known upon receipt at the site. Any deviation from these procedures or problems with any loads will be reported to the site manager.

3.2.2 All vehicle drivers must report to the site/weighbridge office upon arrival at the site. Each load will be weighed, recorded and its contents inspected. All waste accepted on site will be directed to the appropriate reception area.

3.2.3 Once a load has been accepted the driver will be asked to unsheet the vehicle (if it is sheeted) and a visual inspection of the contents will be carried out to ensure that the material complies with the EP. If non-compliant waste is discovered before deposit, the load will not be accepted and disposed of at an approved facility. In cases where the presence of unauthorised waste is likely to lead to a breach of permit conditions, the EA will be contacted immediately to agree a course of action.

3.2.4 Each load is assessed for visual signs of contamination within the material. If a load is deemed unacceptable then it will be returned to its source.

3.2.5 Loads are also examined at the point of unloading. If they are found to be unacceptable at this point the load will be reloaded and returned to source. If small levels of contamination are noted they are handpicked and reject material placed in a skip for safe disposal.

3.2.6 If hazardous waste or suspected hazardous waste outside the permitted waste types in the permit is deposited on the site the material will be left alone with precautions taken to absorb any spillages and the area cordoned off. The EA will be contacted as a matter of urgency and the material left in situ until removed under the EA's instruction.

3.3 Waste acceptance procedure

3.3.1 All incoming vehicles upon arrival are required to report to the person in charge of waste acceptance at the site. The details of the load will be recorded and the duty of care note/company documentation will be further checked by the operator to ensure that the load is acceptable at the site, including a visual check prior to the vehicle

proceeding to the tipping area. Any deviation from the procedures or problems with any loads will result in tipping facilities being suspended for the offending company. Loads which are not acceptable within the above terms will be rejected.

3.4 Weighing and categorising loads

3.4.1 The site benefits from the use of an existing weighbridge on the adjacent waste management facility which is used to weigh incoming and outgoing loads to facilitate accurate recording of throughputs. Details of weight of load will be contained on the Waste Transfer Note.

3.4.2 The weights of loads will also be verified using standard Environment Agency and WRAP agreed volume-to-weight conversion factors.

3.5 Waste sorting / treatment procedure

3.5.1 Once a load has been accepted by the operator the contents of the delivery vehicles is either loaded directly into the solid feeding system/liquid input or discharged into the reception area (feedstock storage area). All feedstocks that have been deposited in the feedstock storage bays will then be transferred to the plant for processing.

3.5.2 For further details of the plant process please refer to Appendix VI which details the process flow diagram for the AD plant.

3.6 Waste/product removal and export

3.6.1 When a collection vehicle arrives at the site the driver will be instructed to report to the site office on arrival. All relevant documentation will be completed and the vehicle will be passed to pick up the load and take it to the designated recycler/disposal site.

3.7 Record keeping

3.7.1 Stanton Energy Ltd use detailed waste transfer and product notes in paper and electronic form to ensure compliance with the Waste Duty of Care Code of Practice - March 2016 (Section 34(9) of the Environmental Protection Act 1990). The following points detail the correct information required in order to comply with the Waste Duty of Care Code of Practice which the operator will provide on all documentation:

- a written description of the waste which has been agreed and signed by the operator and the next holder. The description is part of the waste information the operator will provide.
- a statement confirming that the operator has fulfilled the duty to apply the waste hierarchy as required by regulation 12 of the Waste (England and Wales) Regulations 2011 (see Waste Hierarchy Guidance for England and Wales)
- the description of the waste is accurate and contains all the information required to ensure the lawful and safe handling, transport, treatment, recovery or disposal by subsequent holders, including classification of the waste by using the appropriate codes (referred to as the List of Wastes (LoW) or European Waste Catalogue (EWC)) - Appendix A of the Waste Classification Technical Guidance provides a list of the codes as well as advice on how to assess and classify waste.
- the quantity and nature and whether it is loose or in a container, if in a container, the type of container
- the time and place of transfer
- the SIC code of the transferor (current holder of the waste)
- the name and address of the transferor and transferee (person receiving the waste) and their signatures (the signature can be electronic as long as an enforcement officer can view it)
- the capacity in which the transferor and transferee are acting (e.g. as a producer, importer or registered waste carrier, broker or dealer) and their relevant authorisation to act in that capacity (e.g. their permit number or registration number)

- 3.7.2 For non-hazardous waste this will be done by using:
- a paper WTN and form to fill in or alternative documentation e.g. an invoice, as long as it contains all the required information.
 - a season ticket which is a single waste transfer note that covers a series of non-hazardous waste transfers. The season ticket will last up to one year and be used for regular transfers of the same type of non-hazardous waste with the same carrier. If the operator has several sites serviced by the same carrier with the same types of waste collected, these can be listed in a schedule to the season ticket. The operator will keep a record of the collection times and the quantity of waste.
- 3.7.3 A waste information note will not be required for non-hazardous waste if the waste holder does not change on the transfer of waste e.g. the waste is moved to other premises belonging to the same business. However, it is best practice that the business understands who has responsibility for that waste and a record is kept of internal transfers for audit purposes.
- 3.7.4 If any non-conforming hazardous waste is to be removed, it will be done so using a fully completed hazardous waste consignment note and sent to a suitably permitted site. The records of which will be kept for 5 years.
- 3.7.5 A summary of waste types and quantities deposited at and removed from the site and origin and destination details are then forwarded to the EA using the standard Generic Operator Returns electronic spreadsheet(s), with submission due within one month of the end of each quarter as below:
- a) Quarter 1: January to March (due on or before 30th April)
 - b) Quarter 2: April to June (due on or before 31st July)
 - c) Quarter 3: July - September (due on or before 31st October)
 - d) Quarter 4: October - December (due on or before 31st January of the following year)
- 3.7.6 Outcomes of inspections of waste types, hardstanding areas, transfer/treatment areas,

storage areas, drainage channels, etc. are recorded using the site inspection form SEL/RF/4 or similar document and detailed comments are entered into the site's diary (including action taken or proposed).

3.7.7 Visitors to the site are made to sign the visitor's book upon arrival and exit stating the purpose of their visit and whom they represent.

3.8 Management techniques

3.8.1 All measures necessary to achieve a high level of protection of the environment and to ensure that the site is operated in accordance with the various management systems and permit conditions will be strictly adhered to.

3.8.2 The manner in which the facility is managed is a critical element in ensuring emissions from the site operations are minimised. Therefore, management of this facility ensures:

- a) Staff are competent to manage and operate the facility i.e. fit and proper persons;
- b) Waste acceptance procedures are in place;
- c) Appropriate storage and handling procedures are in place;
- d) Waste/product dispatch procedures are in place;
- e) Procedures and control techniques in place to minimise potential emissions to air, land and water;
- f) There is an EMS, i.e. this document, in place to ensure standards are maintained, including incidents and complaints management procedures;
- g) A communication programme is in place; and,
- h) A health and safety programme is in place and is coherently conveyed to all staff and rigorously enforced throughout the whole of the organisation.

3.9 Site closure plan

3.9.1 In the event that the site ceases to operate as a waste transfer/treatment facility as set out in the site's EP, the following steps will be followed to achieve site closure:

- a) Contact the EA to advise the Environment Officer(s) that the site is planned to cease / has ceased the acceptance of wastes under the permit.
- b) The amount of residual processed and unprocessed waste on site will be assessed by the TCM to set a timetable for the final processing and timely removal of waste from site.
- c) Following removal of all waste, plant and machinery from site a Site Investigation will be undertaken to ascertain the ground conditions of the land to which the site relates.
- d) A surrender application will then be submitted to the EA for determination.

3.10 Contingency Measures for Feedstock Diversion

3.10.1 In the event of abnormal operation/plant breakdown, any methane produced as part of the AD process will be flared off using the emergency flare if it cannot be transferred to the National Grid. If necessary, any feedstocks/wastes which cannot be accommodated at the site will be diverted for treatment, recovery or disposal at a suitably permitted facility in order to avoid waste being stored at the site for long periods of time.

3.11 Secondary Containment of Digestate

3.11.1 In the unlikely event that one of the digesters (vessel/tank) on site were to fail and release digestate the site must ensure that suitable secondary containment is available.

3.11.2 The largest tank on site is Digester 1 or 2 which holds approximately 3928 litres of digestate. Based on 110% of this vessel the site would require secondary containment for 4320.80 litres of digestate; the site has containment area of 3639m².

- 3.11.3 Based on the above the site would require containment up 1.19m. The site is surrounded by concrete walls and benefits from bunded gates at the two site accesses ensuring that it has suitable containment in the event of tank failure resulting in the leakage of digestate.

3.12 Digestate (Processing/Treatment)

- 3.12.1 Liquid digestate from the digestion process will be retained for as long as possible within the primary digesters. Digestate from the primary digesters will be pumped to the secondary digester in order to maximise insofar as possible the yield.
- 3.12.2 The liquid digestate and substrate will then discharge from the secondary digestate tank to a heating buffer tank via a cutter skid in order to mulch any remaining solid fragments into the liquid digestate. The preheated digestate will then be pumped into the pasteurisation tank where it will be heated to at least 70 degrees Celsius for a period of at least one hour.
- 3.12.3 The pasteurised digestate will then be pumped to a buffer tank to allow for settlement of solids. The thin (liquid) fraction of the digestate from the upper part of the buffer tank will discharge directly to the after-storage tanks. The remainder of the digestate in the buffer tank will be pumped to a decanter where it will be separated into a thin fraction which will be pumped as above to the after storage tanks, and a thick fraction which will comprise predominantly soil type materials. The decanter will comprise a rotating Archimedes Screw with the digestate being pumped under pressure against the direction of rotation of the Archimedes screw. Provided that the pressure and the rotation of the Archimedes screw are calibrated correctly, it is likely that almost all of the suspended matter within the digestate will be separated into the thick fraction. The fully treated thin fraction will be discharged from the after storage tanks to foul sewer. Any gas accumulating in the after storage tanks will be re-circulated back into the primary digestion tanks. The thick fraction will be removed from site to a suitably permitted facility for use in composting or soil manufacture.
- 3.12.4 It is likely also that a significant proportion of any of the nutrients causing a high

chemical oxygen demand within the digestate will sorb onto the surface of finer suspended particles and thus be removed from the thin fraction. It is therefore likely that there will be a significant release of hydrogen gas from the digestate stored in the after storage tanks which will lower the chemical oxygen demand of the digestate whilst re-introducing hydrogen into the primary digestion tanks which will assist in maintaining an environment conducive to anaerobic degradation.

4 Environmental Control, Monitoring and Reporting

4.1 Breakdowns and spillages

4.1.1 In the event of breakdown of the loading plant, an alternative machine will be brought on site until it is repaired. If an alternative machine cannot be used then waste will be stored securely until the plant is repaired. The repair will be carried out at the most convenient location with absorbents used to clear oil or fuel spillages.

4.1.2 All site surfaces will be inspected daily when the site is in operation. Debris will be swept as required and placed in a skip for disposal to a suitably permitted site.

4.1.3 Any spillages of fuel/oil will be cleared immediately by depositing sand or absorbents on the affected area. The sand or absorbents will be placed in a skip to be taken to a suitably permitted site for disposal. All spillages of waste and windblown litter will be cleared by the end of the working day in which they occur. Spillage clearance procedures are detailed in Section 5.4.

4.1.4 All wastes liable to give rise to contamination will be removed from the site if the site is not secure or if operations cease or are temporarily suspended.

4.2 Site inspections and maintenance

4.2.1 The inspection frequencies for maintenance/housekeeping are listed on record form SEL/RF/4 which is used to enter specific details of any maintenance undertaken as a result of any problems identified during the site inspection. The inspection form will be completed by a person who is familiar with the requirements of the EMS and EP for the site. All details of defects, problems and repairs carried out will be recorded on the form on the day that each event occurs. Detailed comments may also be recorded in a site diary.

4.2.2 All repairs to site security will take place as soon as practically possible and the site will be made secure until the repair has been carried out. Any major defects found during the daily site inspection will be repaired as soon as practically possible.

4.2.3 Essential spares for plant maintenance are kept on site at all times. The following provides a list of essential spares kept on site:

- Gearboxes for feed hoppers; and,
- Oil and grease for general plant maintenance.

4.3 Daily Equipment Checks

4.3.1 The following specific daily plant checks are undertaken on plant and equipment. The results are recorded within the site diary on inspection form SEL/RF/4. The checks are visual inspections to identify any obvious signs of damage or defect and the condition of the plant and equipment. The daily checks are undertaken by the Site Manager.

4.4 Control of mud and debris

4.4.1 Vehicles will be visually inspected before exit to check that loads are safe and that no mud is carried out onto the site's access road or onto Crompton Road/Merlin Way on the wheels or bodies of HGVs. Visual inspections of the vehicle running surfaces at the site will be carried out daily (see SEL/RF/4), however, staff will report any problems with mud or debris on the site roads immediately to the site manager.

4.4.2 The length of surfaced road which each delivery/collection vehicle must track to egress the site should be adequate to ensure that any residual materials on the wheels or chassis of the vehicles should be shed upon exit. All site roads will be kept free from mud/debris to ensure maximum efficacy.

4.4.3 The deposit of material on the access road or public highway will be treated as an emergency and will be cleared immediately by the operator using either a brush and shovel or vacuum tanker/road sweeper if necessary. Silt will not be washed into roadside drains or gullies.

4.5 Control and monitoring of dust

4.5.1 The nature of the feedstocks used in the AD process, the digestate produced and the enclosed nature of the AD process ensures that potential for dust emission is very low. However, a series of dust mitigation measures will be implemented on site to ensure dust emissions are controlled as far as is practically possible. The measures include:

- Sheeting of vehicles delivering waste to the site (if necessary);
- sheeting of vehicles transporting potentially dusty loads off site;
- cleaning of any spillages using wet cleaning methods;
- Storage of solid wastes/feedstocks will be limited to the height of the storage clamps; and,
- drop heights **ALWAYS** minimised to prevent dust emissions.
- A permanent water supply is available on site in all climatic conditions to ensure that the dust suppression systems can function effectively. Any external water pipes will be lagged to prevent frost damage during winter months.

4.5.2 Despite the low risk of dust, site operatives will continuously monitor dust emissions whilst the site is in operation and will report back to the site supervisor for advice if required. The site supervisor will make a formal visual inspection of dust emissions throughout the day. Results of monitoring will be entered into the site diary/record forms.

4.5.3 The deposit of material on the access road or public highway will be treated as an emergency and will be cleaned immediately using a brush and shovel or a road sweeper/vacuum tanker (hired-in) if necessary.

4.5.4 In the unlikely event that dust levels result in complaints; a bowser will be sourced to dampen down dusty stockpiles and site surfaces to prevent any further dust generation.

4.6 Odour control

- 4.6.1 The site has an odour management plan (OMP) in place which covers all potential odour sources and mitigation measures. The OMP is kept in the site office and referenced as 058-003-I.
- 4.6.2 Feedstocks will be delivered to site in covered tractors/trailers or HGV to reduce risk of odour emissions during transportation. Non-liquid feedstocks will be stored within designated storage areas. Should odour issues arise from solid feedstock storage areas, these will be sheeted. Through careful site design, transfer distance between storage areas and feed hoppers is minimal. Care will be taken to avoid unnecessary mechanical agitation of feedstocks in feed hoppers whilst material is being loaded. Liquid feedstocks will be delivered direct to the process from enclosed tankers minimising potential for odour.
- 4.6.3 Once in the process, feedstocks are fully contained/enclosed, thus preventing potential for odour. Tanks and pipework must be kept airtight to prevent ingress of air to the system, this also serving to ensure potential odours are contained.
- 4.6.4 The AD process is such that the digestate produced has low odour potential. However, solid digestate will not be stored for extended periods of time before being recirculated within the AD process or exported from the site.
- 4.6.5 Regular olfactory assessments will be carried out around the site boundary and results recorded on the inspection form for the site (i.e. record form SEL/RF/4). This will include twice daily inspections by the site manager or supervisor.
- 4.6.6 Strict turnaround times for any wastes which could give rise to odours will mean that the site will present a low risk of odour nuisance.
- 4.6.7 The complaints procedure in record form SEL/RF/7 will be rigorously enforced should a third-party complaint be received from a public or private source.

4.7 Litter control

- 4.7.1 Given the nature of wastes accepted at the site (i.e. no light wastes including paper/cardboard), no significant litter issues are anticipated.
- 4.7.2 Daily inspections of the site boundary will be carried out for the presence of windblown litter and operatives will be instructed to collect the litter and place it in a skip for disposal/recovery before the end of the working day. In any event, all light waste will be placed in skips before the end of the working day.
- 4.7.3 Regular checks of the areas immediately beyond the site boundary will be carried out by site operatives.
- 4.7.4 The greatest risk of litter would be during windy conditions. The site will be operated to a lesser degree during these conditions giving due regard to the potential effects of windblown litter.

4.8 Control of pests, birds and other scavengers

- 4.8.1 The site will be inspected daily for the presence of vermin and the results of the inspection noted in the site diary or site inspection form. A recognised pest control contractor will be brought in within 48 hours if any problems are encountered.

4.9 Control and monitoring of noise & vibration

- 4.9.1 The site operations will be carried out using the Best Practicable Means at all times.
- 4.9.2 The location and surrounding land uses means noise associated with the operations will not greatly increase the existing noise level in the surrounding area. The waste operations will be carried out using the best practicable means at all times.
- 4.9.3 The likely sources of noise arising from the development; and, the actions to be taken / procedures to be followed or planned in order to prevent or minimise levels are shown on the table overleaf.

Table 4.1 - Noise Management Table

Potential Noise Source	Action to be taken to prevent or minimise noise
HGVs travelling to and from the site for delivery/collection of wastes/products.	<ul style="list-style-type: none"> - All vehicles are required to be driven onto and off site with due consideration for neighbouring premises. - HGV movements will be spread out evenly throughout the day.
Loading/unloading of waste delivery vehicles	<ul style="list-style-type: none"> - Vehicles must be well maintained and operated with silencers. Moving parts to be regularly lubricated. All vehicles must be driven slowly around the site (5mph site speed limit). - Engines to be switched off when not in use. - Reversing alarms to be preferentially fitted with white noise alarms to minimise impacts on neighbouring sites. - No shaking of vehicle bodies whilst raised.
Operation of mechanical treatment plant	<ul style="list-style-type: none"> - Engines to be switched off when not in use. - Plant to be well maintained and operated with silencers. Moving parts to be regularly lubricated. - Operation of the plant in strict accordance with the hours set out in this EMS will ensure no impact on the surrounding area during 'unsociable' hours when surrounding industrial operations are less intensive or dormant
Operation of loading plant (i.e. telehandler/360)	<ul style="list-style-type: none"> - Drop heights to be kept to a minimum, particularly when loading empty tipper wagon/skip/container to minimise noise/vibration. - Engines to be switched off when not in use. - Plant to be well maintained and operated with silencers. Moving parts to be regularly lubricated. All vehicles must be driven slowly around site. - Loading plant/machinery will only be operated at ground level, i.e. never on stockpiles.
Small vehicles travelling to and from the site (e.g. staff and visitor's cars, courier van deliveries etc.)	<ul style="list-style-type: none"> - All those working on and visiting the site to be made aware of need for considerate driving and keeping vehicles well maintained. - Small vehicles will arrive marginally earlier than the main site operating hours.

4.10 Procedures for Gas Pressure, Composition and Production Monitoring

4.10.1 Gas pressure and composition is monitored by an automated system, which feeds back to the site control and management system to alert the site operator to any issues.

4.11 Alarms and Response Procedures

4.11.1 The plant is managed via an automated control and management system, which alerts to the Site Director of any issues via alarms. The following automated alarms are in place to alert the site operator of any issues in order to allow appropriate action to take place:

- Gas level alarm;
- Tank temperature;
- Gas pressure; and,
- Tank level.

4.11.2 The Site Director can then view details of the alarm and take appropriate action. The majority of the time, issues can be rectified remotely. However, the Site Director will attend the site, if an issue cannot be resolved remotely. In the event of an emergency or major incident, the procedures in Section 5 will be followed.

4.12 Complaint procedure

4.12.1 Any third party complaints received will be recorded on form SEL/RF/7 and will include a record of the complaint, particulars of the complainant and details of any action taken to alleviate the problem to ensure the likelihood of a future third party complaint is minimised.

5 Emergency Procedures

5.1 General

5.1.1 In addition to obligations imposed by RIDDOR '13 (Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 2013) the permit holder will notify the EA of any serious injuries to employees of Stanton Energy Ltd, other site users or members of the public arising as a result of operations on site. Minor injuries such as cuts and grazes etc. will be recorded in the accident book on site. Separate procedures will be used for different types of emergency. An emergency at the site is defined by the site management as follows:

“Any incident which is likely to result in harm to human health or pollution of the environment or serious breach of permit conditions and serious detriment to the amenities of the locality.”

5.1.2 For all emergency situations, the deposit of any further waste will be suspended where necessary to allow action to be taken safely. If necessary, staff and other users of the site will be evacuated to an area which is a safe distance away from the hazards. Staff handling the emergency will be provided with and trained to use the necessary PPE (personal protective equipment) unless the manager instructs them that the hazard is too severe and outside help is needed from the emergency services or specialist waste contractors. A visitor's book will be kept to check who is on site at all times.

5.2 Fire

5.2.1 No waste will be burnt on site other than in plant specifically designed for the purpose and in accordance with the relevant statutory instruments. In the event of a fire occurring on site, the operator/site supervisor will exercise his judgement and extinguish the fire with the water hose or suitable fire extinguisher and/or call the fire service for assistance. Any fires will be reported to the Environment Agency on the working day that they occur and will be confirmed in writing by fax or letter within 3 working days. All staff will be evacuated from the site if necessary.

5.2.2 The site has a fire prevention plan (FPP) in place which has been prepared to in accordance with EA guidance to meet the following objectives:

- To minimise the likelihood of a fire happening;
- To aim for a fire to be extinguished within 4 hours;
- To minimise the spread of a fire within the site and to surrounding neighbouring sites; and,
- To minimise impact of fire on people, environment and businesses.

5.2.3 The FPP is referenced as 058-003-B.

5.2.4 For quick reference, the following actions will be taken when fire is detected or suspected (Site operatives):

- a) DON'T PANIC
- b) RAISE THE ALARM (IF NOT DONE SO ALREADY)
- c) NOTIFY THE SITE MANAGER (IF SAFE TO DO SO)
- d) **DO NOT TRY TO TACKLE THE FIRE YOURSELF UNLESS YOU ARE TRAINED IN DOING SO AND YOU ARE SURE OF THE NATURE OF THE FIRE**
- e) LEAVE THE SITE AS QUICKLY AND AS ORDERLY AS POSSIBLE
- f) ASSEMBLE AT THE SPECIFIED FIRE ASSEMBLY POINT WHICH IS LOCATED BY THE SITE ACCESS GATES.
- g) THE SITE MANAGER OR DELEGATED OPERATIVE WILL BE IN CHARGE OF CALLING THE EMERGENCY SERVICES ON "999" AND ENSURING THAT ALL PERSONS WHO WERE WORKING ON THE SITE/WITHIN BUILDINGS ARE ASSEMBLED SAFELY
- h) INFORM ALL NEIGHBOURING PREMISES WHO ARE LIKELY TO BE AFFECTED
- i) INFORM THE ENVIRONMENT AGENCY
- j) DO NOT RETURN TO THE SITE UNTIL YOU HAVE BEEN GIVEN THE "ALL CLEAR" BY THE EMERGENCY SERVICES AND THE SITE MANAGER

5.3 Breakdowns

- 5.3.1 In the event of plant breakdowns, alternative plant will be sourced until the existing plant is repaired to prevent potential over stockpiling of waste. If an alternative plant cannot be used then waste will be stored securely until the plant is repaired and if necessary, waste will be diverted to an alternative site. The repair will be carried out at the most convenient location with absorbents used to clear oil or fuel spillages.
- 5.3.2 Essential spares for plant maintenance are kept on site to ensure a repair can be carried out efficiently.

5.4 Spillages

- 5.4.1 Fuel which may be stored on site will be contained within a bunded receptacle/container to contain any primary leaks. If any oil and vehicle maintenance chemicals are kept on site, they will be stored securely. In the event of a spillage a spill containment kit (absorbent pads, booms or granules) will be used to prevent further spillage and the contaminated absorbents placed in a skip for disposal to a suitably permitted facility.
- 5.4.2 Any wastes which would be classified as having the potential to cause polluting runoff are stored within the concrete area which is a sealed drainage system.
- 5.4.3 All site surfaces will be inspected daily for the presence of spillages when the site is in operation. Debris will be swept as required and placed in a skip for further processing on site and sent to a suitably permitted site.
- 5.4.4 All wastes liable to give rise to contamination will be removed from the site within an EA agreed timescale.

5.5 Drums

5.5.1 The deposit of drummed waste will not be allowed at the site. If a drum is concealed within a skip and is not observed until the skip is deposited in the waste transfer area then the following procedure will apply:

- a) The staff member will visually check the condition of the drum from a safe distance, noting any labels referring to the possible contents or hazards.
- b) The site manager will be contacted to verify the observations and to decide on further action.
- c) The producer of the waste and the EA will be contacted for advice and further information if necessary and both will be informed that a breach of the Duty of Care and site permit conditions has occurred as the result of the unauthorised deposit.
- d) No further waste will be deposited until the emergency has been dealt with.
- e) All spillages will be cleared using a spill containment kit and all contaminated absorbents placed in a skip for disposal to a suitably permitted waste management site.
- f) If the deposit results in serious reactions with other waste or harmful emissions or the drum contents cannot be identified, then the emergency services and/or specialist waste contractors will be brought in to assist. If necessary, staff will be evacuated from the site or to a safe area within the site and all occupants of neighbouring properties will be informed.

5.6 Adverse reactions

5.6.1 No wastes are accepted which will react to present such a hazard. If unauthorised waste is found in a load and does present such a hazard the same procedures as for the deposit of drums (above) shall apply.

5.7 Staff shortages

5.7.1 In the event of unforeseen staff shortages arising from illness, suspension or no shows, the operator will make a judgement whether to reduce the number of incoming loads and divert material to an alternative site. The operator will then seek further employment within a timely manner to ensure the site can continue to operate at its required capacity.

5.8 Adverse weather conditions

5.8.1 **High winds** - There will be no sorting, processing or treatment of any wastes which are likely to be blown around during conditions of high winds. Vehicles leaving the site will be sheeted to comply with the requirements of the Duty of Care legislation.

5.8.2 **Poor visibility** - The site will not operate in conditions of poor visibility such as dense fog to reduce the risk of vehicle collision.

5.8.3 **Droughts / warm weather** - The site would source further dust suppression equipment such as bowsers, dust cannons if dust became a nuisance due to these weather conditions.

5.8.4 **Long periods of rainfall or flood events** – Due to the site’s surface and potential for mud tracking off site, all vehicles will undergo a more stringent check and vehicle chassis would be sprayed using hoses to reduce the risk of mud tracking off site. If this isn’t suitable, the operator would source a road sweeper until weather conditions improve.

5.8.5 The operator will set up a notification alert with the Met Office to receive prior notifications of the above unforeseen adverse weather conditions to ensure mitigation can be put in place prior to the event. The site may be forced to close during events which could cause a significant risk to staff, human health or the environment.

5.9 Operational failure

5.9.1 The manager will be contacted by staff in the event of any operational failure such as the breakdown of plant, systems or equipment and will decide whether operations are to continue or be suspended prior to corrective action being taken. Serious operational failures, which result in the closure of the site, will be recorded in the site diary.

5.10 Bomb scare

5.10.1 In the unlikely event of a bomb scare, the site will be evacuated and the police contacted. The police will then assume control of the site until the threat has been verified or the device defused and removed. The EA will be kept informed of the events on site.

6 Training for Site Staff

6.1 Training needs assessment

6.1.1 All new and existing site staff are subject to a specific training regime based on their responsibilities at the site to ensure all operations are carried out without harm to the environment or amenity of the surrounding area. Training in all aspects of the site and waste operations at the site with regard to the individual responsibilities of the site staff will help to prevent incidents occurring which may have an adverse impact on the environment and/or the employees and their co-workers.

6.1.2 An employee training record will be available at the site detailing information similar to SEL/RF/6 in Appendix II and shall provide a comprehensive checklist for the training needs of all new site staff and also serves as a training review for existing site staff which will be carried out annually or a period set at the operator's preference.

6.2 Site rules and infrastructure training

6.2.1 This information is provided to all employees, visitors and contractors with a full understanding of the site's conditions of use, which is communicated and documented at induction for all staff with specific induction for visitors and contractors.

6.2.2 Competency should be demonstrated within this field to ensure the employee is fully aware of the site's surroundings and operations to ensure their safety and compliance with specific operating conditions at the site.

6.3 Emergency procedures training

6.3.1 All employees are required to be familiar with the Environmental Controls in Section 4.0 and the Emergency Procedures as detailed in the Section 5.0.

6.3.2 In addition to normal operating conditions as specified in the site rules, employees must also be trained in dealing with eventualities which may occur outside the scope of normal operating conditions, so they are aware of how to deal with these situations

in advance of an occurrence.

6.4 Fire safety / firefighting training

- 6.4.1 Management must provide all employees with appropriate fire safety training with regard to their individual responsibilities.
- 6.4.2 Emergency procedures detailing what measures employees should adopt should a fire occur at the site are detailed in Section 5.2 and are covered by the 'emergency procedures' training (see Section 6.3).
- 6.4.3 Regular fire drills are undertaken by site management to ensure proper procedures are followed by employees in the unlikely event that a fire incident occurs. These will be unannounced drills and will not form part of the induction or review training as specified in Section 6.1.

6.5 Recognition of waste types training

- 6.5.1 All employees are given induction training and subsequent regular training to identify those waste types which are permitted for acceptance at the site under the site's EP and those wastes which are not. This will include specific training to identify those common wastes which may be found following deposit and are not permitted at the site and will also include more obscure wastes and how to handle these wastes safely. All employees are advised that they should refer any unrecognisable or unknown wastes to senior management, who should, in turn, follow procedures outlined in the EMS and/or contact the EA to agree a suitable method for removal.
- 6.5.2 Training is provided to all site users who handle waste on site and those in charge of administration and reporting. In-depth training will also be provided to drivers responsible for collecting wastes from the site of production in accordance with Section 3.0. They will be trained to identify any wastes not covered by the EP for the site and inform the producer that an alternative facility must be sought for any non-compliant wastes.

6.6 Storage areas / limits training

- 6.6.1 Those employees who carry out their responsibilities at the site and those in senior posts must be trained to identify appropriate waste storage areas to ensure that waste storage operations comply with the requirements of the EP for the site.
- 6.6.2 Employees in these roles must also be trained to recognise storage limits to ensure that they are in accordance with those specified in Section 1.6.

6.7 Vehicle / plant preventative maintenance training

- 6.7.1 This training is provided specifically for the vehicle and plant operators in order to ensure that all plant and machinery is checked regularly to prevent any occurrences which may lead to any adverse impacts on the environment or human health.
- 6.7.2 Training will be in accordance with this document and will be based on the preventative maintenance schedule supplied by the plant/equipment manufacturer.
- 6.7.3 The same training will be provided to senior management enabling a dual-level maintenance programme.

6.8 Duty of care training

- 6.8.1 All employees dealing with consignments of waste are trained in the completion of Duty of Care Waste Transfer Notes and the appropriate auditing of destination sites and/or contractors to ensure compliance.

6.9 Plant operation training

- 6.9.1 Any employees who are required to operate loading or treatment plant for the movement or processing of waste will be required to undertake the necessary qualifications for the operation of the specific item of plant in question. This will be required prior to operating the plant and will be obtained through necessary external certification programmes.

- 6.9.2 Regardless of general plant operation certification, all operatives will be fully inducted in the operation of the specific make and/or model of plant used on site.

6.10 Permit / management System

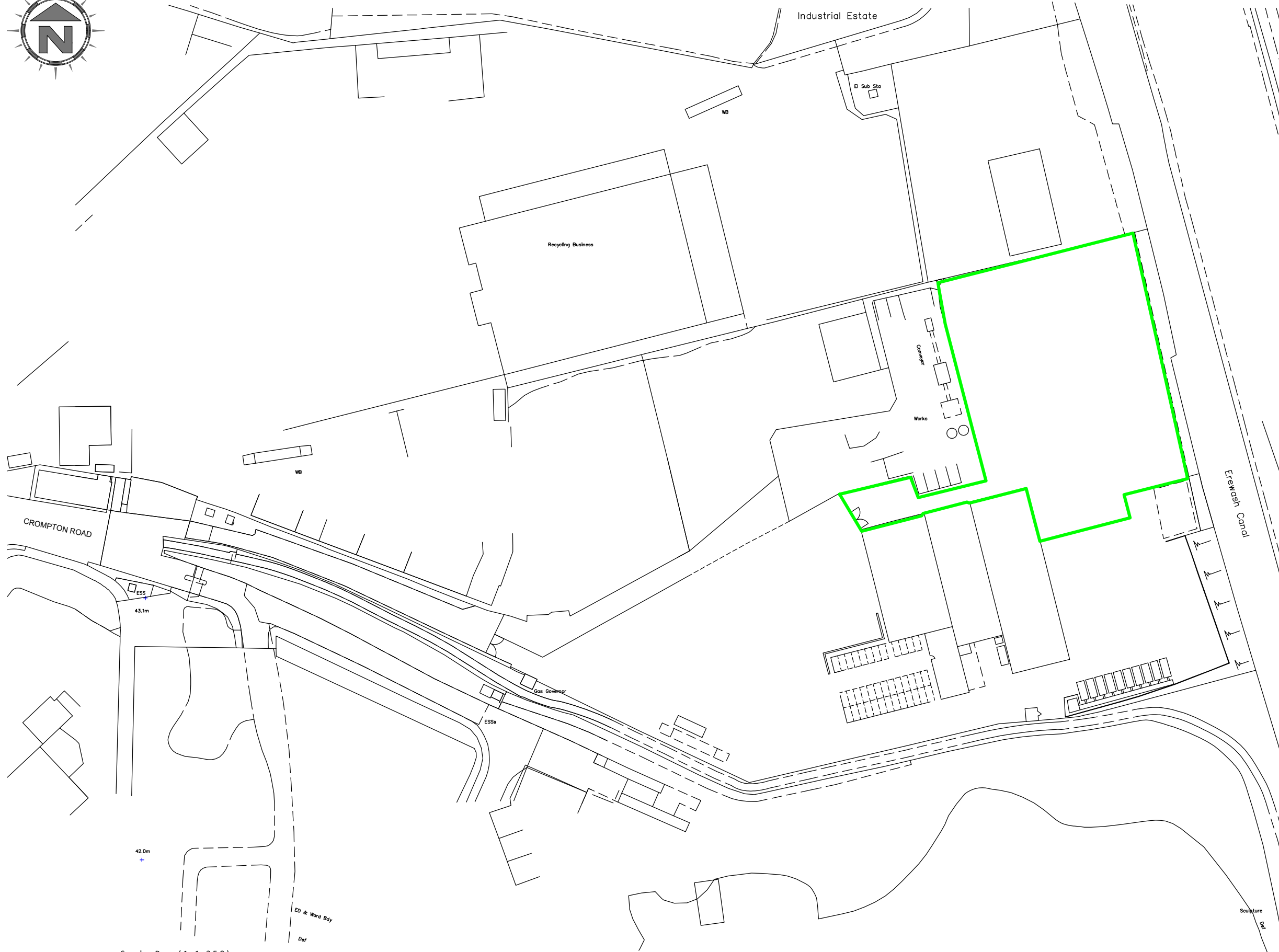
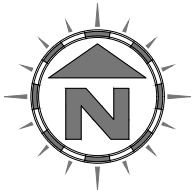
- 6.10.1 All employees will be inducted into the operating conditions as prescribed in the EP for the site. Whilst much of the above training will provide specific guidance on many aspects of these documents, all employees will be made aware of the location of the EP and EMS in the site office. All managerial positions will be made fully aware of the sites operating conditions.

6.11 Training for contractors

- 6.11.1 General site training will be provided to any contractors who are working on the site on a temporary basis as described in Sections 6.2, 6.3 and 6.4 above.
- 6.11.2 Additional training will be provided to contractors in their area of expertise. If they are dealing with specific items of plant/machinery, site operating conditions and a general understanding of the EP conditions will be provided to prevent any adverse impacts on the environment.


Appendix I

Drawings

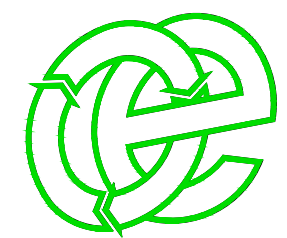


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REVISION HISTORY			
Rev	Date	Init:	Description:
-	26.2.21	RS	Initial drawing

KEY:
 Permit boundary

Oaktree Environmental Ltd
 Waste, Planning and Environmental Consultants



DRAWING TITLE
 SITE LOCATION MAP

CLIENT
 Stanton Energy Ltd

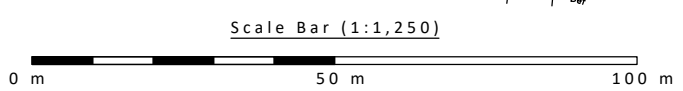
PROJECT/SITE
 Crompton Road, Ilkeston, Derbyshire

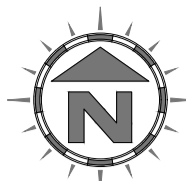
SCALE @ A3 1:1,250	JOB NO 003	CLIENT NO 058
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DRAWING NUMBER 058-003-02	REV -	STATUS Issued
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DRAWN RS	CHECKED RS	DATE 26.02.21
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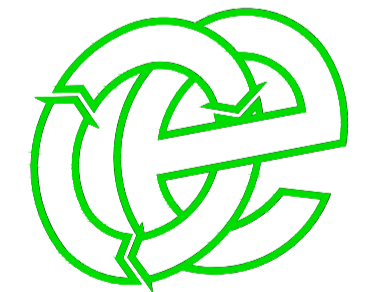
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REVISION HISTORY			
Rev	Date	Init	Description
-	02.03.21	RS	Initial drawing
A	04.03.21	RS	Emission points A3 and A4 added

- KEY:**
- Permit boundary
 - Concrete surfacing (external containment area)
 - Sealed building
 - Tarmac and/or concrete surfacing
 - Containment tanks
 - Access routes for emergency vehicles



Oaktree Environmental Ltd
 Waste, Planning and Environmental Consultants



DRAWING TITLE
 INDICATIVE LAYOUT PLAN

CLIENT
 Stanton Energy Ltd

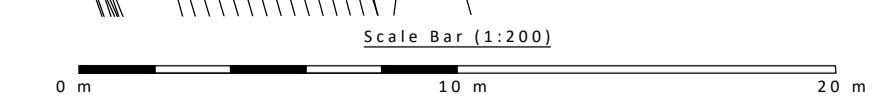
PROJECT/SITE
 Crompton Road, Ilkeston, Derbyshire

SCALE @ A1 1:200 **JOB NO** 003 **CLIENT NO** 058

DRAWING NUMBER 058-003-03 **REV** A **STATUS** Issued

DRAWN RS **CHECKED** RS **DATE** 04.03.21

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Appendix II

Record Keeping Forms

STANTON ENERGY LTD
WASTE INPUT RECORD FORM - SEL/RF/1

DATE:

TIME	PRODUCER/SOURCE	WASTE TYPE	QUANTITY IN TONNES / m ³	NAME OF CARRIER	DRIVERS NAME	DRIVERS SIGNATURE	VEHICLE REG. NO.	WASTE ACCEPTED/ INSPECTED BY
TOTAL FOR THIS SHEET								
TOTAL FROM PREVIOUS SHEET				SHEET No. OF . CHECKED.....				
TOTAL WASTE DEPOSITED								

STANTON ENERGY LTD

REJECTED WASTE - RECORD FORM SEL/RF/2

DATE	
TIME	
WASTE DESCRIPTION	
QUANTITY OF WASTE	
PRODUCER/HOLDER'S NAME, ADDRESS & TELEPHONE No.	
NAME OF CARRIER	
VEHICLE REGISTRATION	
CARRIER REG. No.	
REASON FOR REJECTION OF WASTE	
ACTION TAKEN	

STANTON ENERGY LTD

WASTE AND PRODUCT OUTPUT RECORD FORM - SEL/RF/3

MONTH.....

DATE	TIME	WASTE TYPE	QUANTITY (TONNES)	DESTINATION SITE	NAME OF CARRIER OR EMPLOYEE REMOVING WASTE	VEHICLE REG. NO.
TOTAL FOR THIS SHEET						
TOTAL FROM PREVIOUS SHEET				SHEET No. OF . CHECKED.....		
TOTAL WASTE EXPORTED						

STANTON ENERGY LTD

SITE INSPECTION FORM (DAILY INSPECTIONS) – SEL/RF/4

WEEK STARTING								
TYPE OF INSPECTION	DAY							
	M	T	W	T	F	S	S	
SITE ENTRANCE/NOTICE BOARD								
SECURITY - GATES								
SECURITY - FENCING								
SITE ROADS / SURFACES								
WASTE CONTAINERS & BAYS								
WASTE STORAGE								
SKIP STORAGE								
PLANT/EQUIPMENT								
FUEL TANK/BUND								
CONCRETE HARDSTANDING								
WASTE TYPES/ QUANTITIES								
REJECTED WASTE TYPES / STORAGE								
NOISE LEVELS								
FIRES								
LITTER								
DUST								
ODOUR								
VERMIN								
RECORDS								
COMPLAINTS RECEIVED								
OTHER -								
INSPECTION CARRIED OUT BY								
NOTES/ACTION (CONTINUE ON A SEPARATE SHEET IF NECESSARY):								
CHECKED BY				SIGNATURE				
POSITION				DATE				
Sheet				of				

STANTON ENERGY LTD
EMPLOYEE TRAINING NEEDS ASSESSMENT / REVIEW - SEL/RF/6

EMPLOYEE NAME					DATE					
POSITION					REVIEW DUE					
TRAINING CARRIED OUT BY										
POSITION										
TRAINING REQUIRED	GENERAL OPERATIVES		HGV DRIVER		SITE MANAGER/ OPERATOR		ADMIN STAFF		TECHNICALLY COMPETENT MANAGER	
CARRIED OUT?	Y/N	SIGNED BY EMPLOYEE	Y/N	SIGNED BY EMPLOYEE	Y/N	SIGNED BY EMPLOYEE	Y/N	SIGNED BY EMPLOYEE	Y/N	SIGNED BY EMPLOYEE
SITE RULES AND INFRASTRUCTURE										
EMERGENCY PROCEDURES										
FIRE SAFETY/ FIRE FIGHTING										
RECOGNITION OF WASTE TYPES										
STORAGE AREAS/LIMITS										
RECORD KEEPING										
VEHICLE CHECKS (Preventative Maintenance)										
PLANT CHECKS (Preventative Maintenance)										
DUTY OF CARE WASTE TRANSFER NOTES										
PLANT OPERATION - LOADING PLANT										
MOBILE PLANT AND MACHINERY										
MANAGEMENT SYSTEM & PERMIT										
OTHER 1 (PLEASE SPECIFY)										
OTHER 2 (PLEASE SPECIFY)										

**STANTON ENERGY LTD
COMPLAINTS REPORT FORM (SEL/RF/7)**

Date Recorded:	Reference Number:
Name and address of caller	
Telephone number of caller	
Time and Date of call	
Nature of complaint (noise, odour, dust, other) (date, time, duration)	
Weather at the time of complaint (rain, snow, fog, etc.)	
Wind (strength, direction)	
Any other complaints relating to this report	
Any other relevant information	
Potential reasons for complaint	
The operations being carried out on site at the time of the complaint	
Follow Up	
Actions taken	
Date of call back to complainant	
Summary of call back conversation	
Recommendations	
Change in procedures	
Changes to Environmental Management System (EMS)	
Date changes implemented	
Form completed by	
Signed	
Date completed	

COMPLAINT RECORDING PROCEDURE:

- 1) Any complaints received will be recorded on form SEL/RF/7. This form will normally be completed, signed and dated by the Site Manager; if they are not available the Office Manager will complete the form.
- 2) The name, address and telephone number of the caller will be requested.
- 3) Each complaint will be given a reference number.
- 4) The caller will be asked to give details of:
 - a. the nature of the complaint;
 - b. the time;
 - c. how long it lasted;
 - d. how often it occurs;
 - e. Is this the first time the problem has been noticed; and
 - f. what prompted them to complain
- 5) The person completing the form will then, if possible, make a note of:
 - a. the weather conditions at the time of the problem (rain, snow, fog etc.)
 - b. strength and direction of the wind; and
 - c. the activity or activities taken place on the site at the time the noise was detected, particularly anything unusual.
- 6) The reason for the complaint will be investigated and a note of the findings added to the report.
- 7) The caller will then be contacted with an explanation of the source of the complaint if identified and the action taken to prevent a recurrence of the problem in future.
- 8) If the caller is unhappy about the outcome or unwilling to identify themselves the caller will be invited to contact the Environment Agency and or the Local Authority.
- 9) Following any complaint the relevant management plan(s) will be reviewed to ensure appropriate actions are in place to counter any problems.

Appendix III

Accepted Waste Types (European Waste Catalogue Waste Code List)

Appendix IV

Health & Safety – Conditions of Site Use

HEALTH AND SAFETY - CONDITIONS OF SITE USE

The following guidelines apply to all site personnel, contractors and visitors using the site (where applicable).

- 1) The site is covered by the Health and Safety at Work Act 1974 and its associated regulations and all users must abide by any relevant provisions. Any person found to be in contravention of the requirements of this Health and Safety Statement will be asked to leave the site.
- 2) All visitors and contractors must sign the visitor's book upon entry to and exit from the site. All vehicle drivers must report to the site office and await instruction from the site manager/deputy before proceeding to deposit waste at the site.
- 3) All accidents, diseases, injuries or dangerous occurrences shall be reported to the site manager. All instructions issued by the site manager in respect of health and safety at the site must be followed by all site users.
- 4) A first aid box (including eye-wash bottles) is kept in the site office. If you are injured on site please alert a member of staff/trained first-aider for assistance.
- 5) All persons must wear the appropriate PPE on site including high visibility jackets and hard hat.
- 6) Safety boots must be worn by all persons in the waste sorting/storage areas.
- 7) Protective gloves must be worn for any operations which present a hazard of puncture to or laceration of the skin or for any manual handling work carried out on site.
- 8) Ear defenders, safety helmets (hard hats) and eye protection will be issued when deemed necessary and must be worn by all employees and contractors where required by the site manager or other site representatives.
- 9) Fire extinguishers are kept on site to deal with any fires - fires shall only be dealt with by employees of Stanton Energy Ltd unless alternative instructions are given by the site manager. Access to fire exits and fire fighting equipment must be kept clear at all times. When the fire alarm sounds please follow instructions and leave the site in an orderly fashion.
- 10) Persons who are suspected to be under the influence of drugs or alcohol will be removed from the site.
- 11) Smoking is not permitted on the site.
- 12) Observe and follow all traffic directions and traffic/safety signs.
- 13) Drivers must comply with all safety instructions given by the site manager or appointed deputy.
- 14) All drivers are responsible for ensuring that their vehicle is safely loaded. Unsafe loads will not be accepted at the site and will not be allowed to leave the site until they have been made safe.
- 15) Drivers waiting to tip at the recycling centre shall follow the instructions of the operator and shall only tip in the designated area, unless advised otherwise.
- 16) Drivers must remain in the cab or stand well clear of the vehicle during loading or tipping. Once the vehicle has been loaded it must be securely sheeted (if necessary) before leaving the site. When sheeting and unsheeting the vehicle ensure that the engine is switched off, the ignition key removed and the parking brake is on. Do not gain access using the mudguards and wheels. Ensure that your ropes, hooks and sheets are in good condition.
- 17) Never travel with the vehicle body raised. Ensure you know the maximum height of the raised body of your vehicle.

Declaration: To be completed by site users

I have read and understand the conditions of use for this site and agree to comply with them at all times. I accept that neither Stanton Energy Ltd nor their employees shall be liable for any loss or injury arising from my non-compliance with the above conditions.

Signed.....

Print name.....

Company/Organisation.....

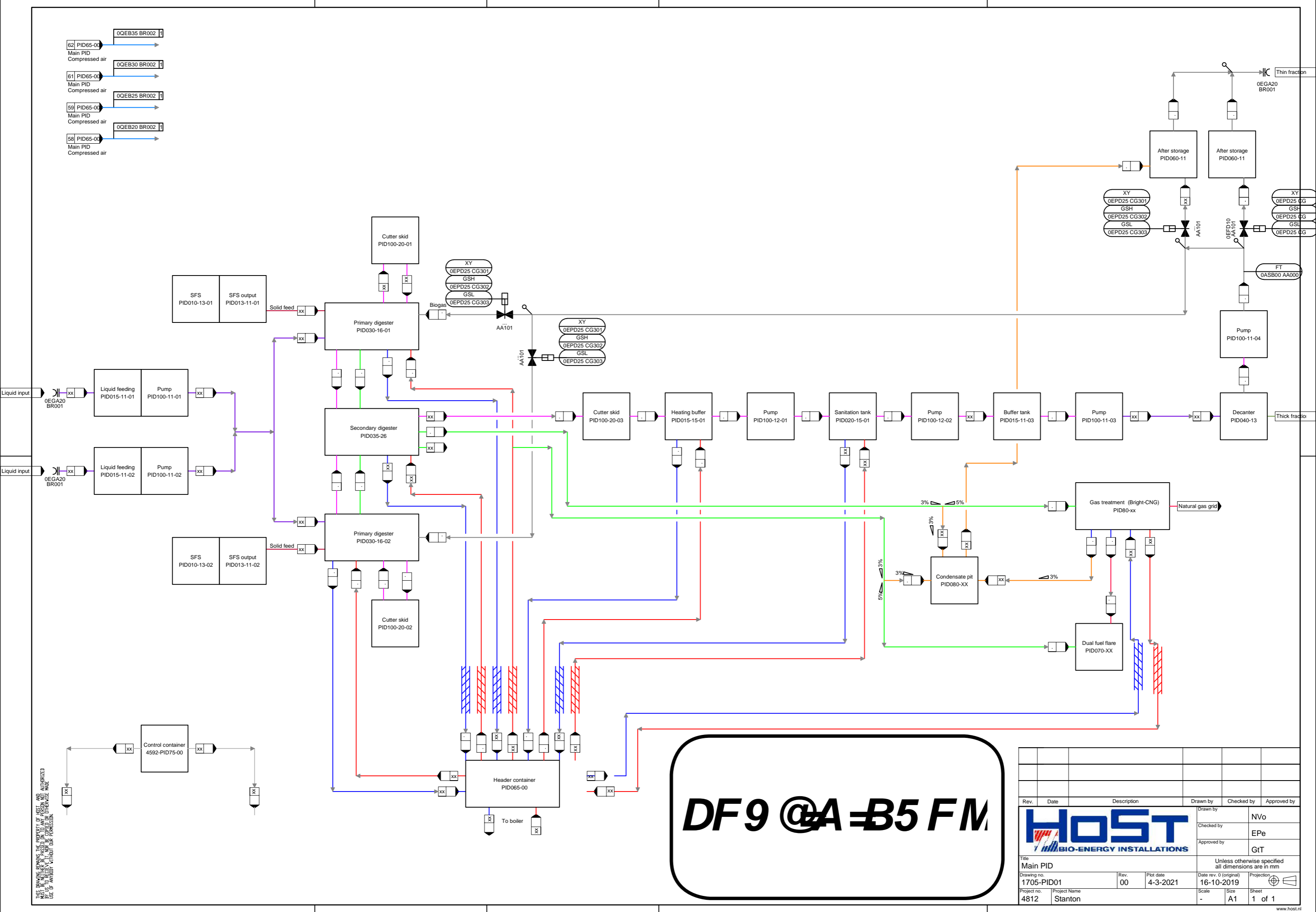
Date.....

Note: these conditions are included in the EMS for information only and may be revised regularly as part of the site health and safety policy.

Appendix V

Process Description & Flow Diagram

- 62 PID65-00 Main PID Compressed air 0QEB35 BR002
- 61 PID65-00 Main PID Compressed air 0QEB30 BR002
- 59 PID65-00 Main PID Compressed air 0QEB25 BR002
- 58 PID65-00 Main PID Compressed air 0QEB20 BR002



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 BE LOANED, REPRODUCED, COPIED, OR OTHERWISE MADE
 USE OF ANYWHERE WITHOUT WRITTEN PERMISSION.

DF9 @A-B5 FM

Rev.	Date	Description	Drawn by	Checked by	Approved by

HOST
BIO-ENERGY INSTALLATIONS

Drawn by: NVo

Checked by: EPe

Approved by: GtT

Title: Main PID

Unless otherwise specified all dimensions are in mm

Drawing no. 1705-PID01	Rev. 00	Plot date 4-3-2021	Date rev. 0 (original) 16-10-2019	Projection
Project no. 4812	Project Name Stanton	Scale -	Size A1	Sheet 1 of 1

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