

Outline Construction Environmental Management Plan

In relation to the construction and operation of a gas fuelled Capacity Mechanism embedded generation plant to support the National Grid. A resubmission of previously approved application (APP/21/00809)

On land at Hermitage Park, Harts Farm Way,
Havant

On behalf of Forsa Energy Gas Holdings Ltd

February 2024

Prepared by



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Introduction

1.1 Introduction

1. This Outline Construction Environmental Management Plan (OCEMP) has been prepared by Clive Fagg Planning in support of a planning application to Havant Borough Council on behalf of Forsa Energy Gas Holdings Limited for the construction and operation of a gas fuelled Capacity Mechanism embedded generation plant to support the National Grid. A resubmission of previously approved application (APP/21/00809), the "Proposed Development" at Hermitage Park, Harts Farm Way, Havant.
2. The purpose of this document is to help developers avoid, minimise and mitigate any construction effects from the proposed development on the environment and the surrounding community, and relates to both on site activities as well as transport arrangements.
3. A separate Construction Traffic Management Plan has been prepared and submitted with the planning application.

1.2 Document Use

4. All development sites, regardless of type or scale shall implement the essential requirements as highlighted within this document unless agreed otherwise in writing with the Local Planning Authority (LPA). Where a Construction Environmental Management Plan (CEMP) is required, it shall include the 'essential' requirements as defined within this document and where relevant, site-specific measures as provided by the appointed contractor.
5. The requirement for a CEMP will normally be secured by a pre-commencement planning condition but may also be required if it is determined that a development is causing nuisance to and/or having a persistent adverse impact to nearby sensitives properties/premises.
6. This oCEMP provides suggested headings by section and associated guidance which should form the template of an oCEMP to be prepared by the construction contractor. Additional information can of course be included to further demonstrate how potentially adverse impacts from the development will be mitigated.
7. Development (including any demolition) must be undertaken having full regard to the approved oCEMP, and failure to submit this prior to the commencement of development may constitute a breach of planning consent, with possible follow-up enforcement.

1.3 Proposed Development Description

8. The Proposed Development would be for the installation of 5no. x 4.5MW generators housed in a purpose-built structure with ancillary equipment, including a 33kV transformer compound, gas kiosk, switchroom, DNO kiosk and welfare cabin. All equipment would be sited on individual concrete slabs and the Site made suitable for servicing by commercial vehicles as shown in Appendix B: Site Layout Plan. An access road would be provided on site off Hermitage Park and entering the site from an existing gateway.

9. The Proposed Development Site has an area of approximately 0.33 hectares and is outlined in red on the accompanying Location Plan at Appendix A.
10. The purpose of the Proposed Development will be to contribute to a national programme to fulfil demand for energy during peak electricity periods known as Balancing Services Mechanism. This Proposed Development will also provide local energy security as, unlike national energy generation, it will feed electricity into the local electricity network at the point of requirement thereby ensuring that the lights stay on for local residents and businesses.

1.4 Approved Plans

11. The development shall be carried out in accordance with the following approved plans:
 - Appendix A1 FE-01-481 Location Plan.
 - Appendix A2 FE-01-593 Site Layout
 - Appendix A3 FE-01-594 Site Elevations

Site Management

1.5 Proposed Construction Programme

Site works start date: } [TBC]
Completion Date: } [TBC]
Contract Period: 9 months

1.6 Site Personnel

	Address	Contact
Client	Forsa Energy Gas Holdings Ltd	
Principal Designers	TBC	
CDM Coordinator	TBC	
Principal Contractor	TBC	
Fire & Rescue Service	Hampshire and Isle of Wight Fire and Rescue Service Park Way Havant PO9 1HH	
Health and Safety Executive (local offices)	Health and Safety Executive 1st Floor Cobourg House 32 Mayflower Street Plymouth PL1 1QX	

Management of the Works

1.7 Management structure and responsibilities

12. Provide details of the management structure of the project and individuals roles and responsibilities within the project regarding health and safety.
 - Site manager will be responsible for the day-to-day H&S.
 - Project manager will be responsible for the overall site H&S.
 - Senior Project manager will have overall responsibility.

1.8 Health and safety goals and the monitoring and review of performance

13. Give details of what the safety goals of the project are, how they will be achieved and what the arrangements are for monitoring health and safety performance for example site inspection and audits, when and who will carry them out.
14. A score card system will be in operation on the Site, contractor's performance will be monitored daily, any issues will be reported to the companies on site representative, any repeat issues will result in that individual being removed from site.

1.9 Liaison between parties on site

15. Weekly site meeting will be held with the client and the CDM coordinator, in addition to separate meetings to be held with contractors, in addition to the weekly meetings contractors will be issued with an escalation phone list for more urgent matters.

1.10 Consultation with the workforce

16. A weekly meeting will be held with all members of the workforce together with all contractors H&S representatives to discuss any H&S issues, if the matter is more important it should be brought to the attention of the Site manager.

1.11 Exchange of design information

17. Design exchange information will be exchanged through the weekly site meeting in addition to drawing revisions being issued via email and hard copies.
18. A drawing register will be held by the designer detailing the changes and to who the changes were issued to and when.

1.12 Handling design changes

19. Design changes will be agreed with the suppliers and contractors during the construction phase and communicated to all parties, any design changes shall be documented and placed in the as built file.

1.13 Selection and control of contractors

20. The project manager, together with the Site manager will ensure Contractors have the required competency to undertake required project work and adopt suitable risk control measures.

1.14 Exchange of information between contractors

21. The principal contractor will ensure information is communicated to all relevant parties during the construction phase, through site meetings, site records.

1.15 Site security

22. The construction area will be fenced off with Heras fencing, the fence will remain in place throughout the construction phase. All contractors will be responsible for the security of their own tools, a secure container would be suitable.

1.16 Site working hours

23. The Control of Pollution Act 1974 contains specific provisions for dealing with noise from construction sites. To help minimise disturbance from construction sites Havant Borough Council has the power to restrict the times at which noisy works take place.
24. The locally adopted hours in Havant Borough District Council that normally apply to construction works are:
 - Monday to Friday: 07:30 –18:00.
 - Saturdays: 08:00 –13:00.
 - Sundays and Public Holidays: no working unless there are exceptional circumstances.
25. These hours relate to noisy works which are audible beyond the Site boundary.
26. No plant, machinery or equipment associated with such works shall be started up or operational on the development site outside of these permitted hours.
27. Bank and Public holidays for this purpose shall be: Christmas Day; Boxing Day; New Year's Day; Good Friday; Easter Monday; May Day; Spring Bank Holiday Monday and August Bank Holiday Monday.
28. All sub-contractors including suppliers shall be made aware of the permitted working hours. Wherever possible and practicable deliveries will be scheduled outside morning and evening peak traffic hours to avoid making worse adverse impact during peak hours.

1.17 Site induction and onsite training

29. The Client will carry out all site inductions with all personal in addition to site specific toolbox talks, all personal will be required to provide personal training records for each individual task to be carried out, copies will be held in the Site office, a copy of the Site induction template is presented in Appendix II.

1.18 Welfare and first aid

30. A fully self-contained welfare unit will be on site for the duration of the construction phase contacting the following.
 - Toilets.
 - Self-contained wastewater combined with a toilet waste tank.
 - Hand washing facilities.

- First aid kit.
 - Fire extinguishers.
 - Mess facilities / table / chairs.
 - Kettle / fridge / and microwave oven.
 - Supply of wholesome drinking water.
 - Drying room.
 - Generator.
31. Government Covid 19 recommendations will be always followed, regular inspections will be carried out throughout the day.
 32. Suitable first aid facilities are provided and monitored by the client, and are in the welfare unit, a sign is posted on the outside of the unit indicating its location, the Site manager will be a qualified first aider.
 33. Details of the nearest hospital providing accident and emergency facilities:

Queen Alexandra Hospital
Southwick Hill Road,
Cosham,
Portsmouth,
Hampshire, PO6 3LY
023 9228 6000

Emergency: 999

1.19 Adverse event reporting

34. Adverse events and near misses are to be reported to the principal contractor / the Site manager will review the report and decide a course of action.

1.20 Production of risk assessments and written systems of work

35. All contractors will produce (site specific) risk and method statements for all tasks to be undertaken to include drawings for any lifting plans.

1.21 Site rules

36. Site rules are presented in Appendix III. They will be communicated to all workers and visitors on entry to the Site, everyone will be issued a copy of the same at the end of the induction process.

1.22 Fire and emergency procedures

37. A construction site fire safety emergency plan template is provided in Appendix IV.

1.23 Communication with the public

38. Suitable out-of-hours contact arrangements shall be in place in the event that an incident occurs outside of normal working hours (e.g. an alarm sounds, or a break-in is reported).

39. Contact details shall be displayed outside the Site. Contacts shall be reviewed and updated in relation to annual leave or other absence of site staff.
40. The Project Team will communicate proactively with any local residents / businesses and other members of the public that may be affected by construction activities.
41. Where activities could cause nuisance to the local community, the Construction Manager shall contact local residents and any affected businesses, schools or hospitals etc. prior to the activity taking place.
42. The developer shall then ensure that these parties are kept up to date with the progress of the works and the measures that will be put in place to minimise any potential nuisance that may arise as a result of these.
43. The developer shall provide the potentially affected parties with contact details of the Construction Manager, should they have any issues or complaints they wish to discuss.
44. Staff is encouraged to build and maintain a positive relationship with the local community to avoid the need for nuisance related complaints.
45. All subcontractors are expected to minimise the impact of their works on the local community. The Construction Manager will identify potential nuisance issues at the pre-start meeting and ensure that they are included in site inductions, but these should also be covered in the subcontractor's conditions.

1.24 Complaint procedure

46. The Site noticeboard will be located at the Site entrance and clearly visible externally. It will contain a contact telephone number for the Construction Manager and the Contracts Manager.
47. On receipt of a complaint the contractor will take full details including:
 - Date and time of the complaint.
 - Type of complaint.
 - Details of complaint.
 - Contact telephone number.
48. The complaint will be elevated to a senior company representative who will investigate and where appropriate implement mitigation measures.
49. A record of how the complaint has been addressed will be kept in writing on site.

Controlling Environmental Risk

1.25 Highways and Construction Traffic Management

50. Please see Appendix H: Construction Traffic Management Plan submitted with the planning application.

1.26 Noise and Vibration

51. Noise control on site will be controlled with the operator of the machine wearing suitable and in good condition ear defenders, all other nonessential workers will be asked to move away from the noise source. Hand arm vibration will be controlled under the HAVS regulations, equipment will be checked against the RAMS for suitability and the duration an operator can use this equipment, records will be for individuals throughout the works.
52. With regard to nuisance, the methodology in which work activities are undertaken must apply Best Practicable Means (BPM) as described in BS 5228 (2009) in order to minimise negative impact on local, sensitive receptors (existing domestic dwellings). However, if measures to reduce excessive dust and noise are unsuccessful, work must stop, and an alternative method devised before work can resume.
53. The following measures shall be used where necessary in order to prevent noise:
 - Locate plant and equipment away from sensitive receptors.
 - Isolate plant and equipment when not in use.
 - Fit white noise systems on vehicles to reduce noise nuisance when reversing.
 - Keep engine compartment doors closed.
 - Limit vehicle movements on-site, i.e. use of one-way system.
 - Wherever possible, materials will be scheduled for delivery during normal working hours.
 - Noise Marshals used where possible to avoid reversing alarm as reasonably practicable.
54. At the request of the Local Authority noise and/or vibration monitoring will be undertaken in response to resident complaints.
55. A letter drop to nearby residents containing information about the planned site activities and expected noisy period of works and complaints procedure.

1.27 Dust

56. The Institute of Air Quality Management (IAQM) has published guidance on the assessment of dust from demolition and construction. The document outlines an assessment procedure for dust arising from development and provides example mitigation measures that can be implemented (Available at www.iaqm.co.uk).
57. Measures include:

- All plant and equipment shall be maintained in accordance with manufacturer's recommendations to ensure emissions to atmosphere are minimised.
 - Any equipment used to cut paving blocks, kerbs, flagstones etc. shall be operated with a water suppression attachment or a dust filter.
 - Engines of plant, machinery, and lorries shall be turned off at all times when not in use.
 - Delivery activities, plant, stockpiled materials and/or any other activities liable to significant dust generation shall be located as far away as possible from the development site boundaries and neighbouring properties.
 - Stored materials liable to dust generation shall be dampened down, covered with tarpaulin, or otherwise contained as far as reasonably possible.
 - Drop heights from conveyors, loading shovels, hoppers, and other loading or handling equipment shall be minimised and fine water sprays should be used on equipment where necessary.
 - Skips, chutes, and conveyors shall be covered and if necessary enclosed to ensure that dust does not escape.
 - All vehicles carrying dusty materials shall be securely covered.
 - Water suppression shall be used in dry conditions to reduce dust emissions (e.g. mobile bowsers or fixed sprayers as appropriate). A water suppression contingency plan should be included detailing water supply to site and what equipment will be kept available (e.g. number and size of bowsers, sprinklers, mist canons etc.).
 - Areas where there is regular vehicular movement should have a consolidated surface which shall be kept in good repair.
58. Additional measures that can be taken, include the following:
- Use dust extraction equipment when drilling and cutting.
 - Damp down access roads and stockpiled materials in dry or windy weather.
 - Sweep access roads regularly.
 - Grass over topsoil which is being stockpiled for landscaping or off-site re-use.
 - Use screens, including fence netting to act as dust barriers.

1.28 Air Quality

59. Where development sites will be using non-road mobile machinery (NRMM) with a net power between 37kW and 560kW it will be required to meet the standards set out below. These standards are applicable to both variable and constant speed engines and apply for both particulate matter (PM) and nitrogen oxide (NOx) emissions:

(a) NRMM used on any construction or demolition site within urban areas will be required to meet Stage IIIB of EU Directive 97/68/EC (as amended) as a minimum.

(b) NRMM used on any MEDIUM or MAJOR classified development will be required to meet Stage IV of EU Directive 97/68/EC (as amended) as a minimum.

60. The requirements may be met using the following techniques:
- Reorganisation of NRMM fleet.
 - Replacing equipment (with new or second-hand equipment which meets the policy).
 - Retrofit abatement technologies.
 - Re- engaging.
61. All eligible NRMM should meet the standards above unless it can be demonstrated that the machinery is not available or that a comprehensive retrofit to meet both PM and NOx emission standards is not feasible.

1.29 Mud

62. Road sweeping shall be implemented, as required, to prevent build-up of mud / dust on site roads and to ensure it is not deposited on adjoining public roads. A high-pressure hose shall be available at the Site gate for the cleansing of vehicles should this be necessary to avoid the deposit of mud on the public highway.

1.30 Artificial Lighting

63. Flood lighting, security lights, and any other obtrusive external lighting shall be sensitively located so as to avoid nuisance to neighbouring properties and should only provide the necessary luminance for the relevant task(s).
64. The direction and angle of any external lighting will not cause light spill, glare, or nuisance to neighbouring properties or highway users. Where practicable, the use of shields or covers will be used to minimise the level of obtrusive light beyond the Site boundary.
65. Any light sensors fitted will be adjusted as such to ensure that they are only activated from activity on the development site.
66. On large development sites the use of localised lighting will be used wherever possible to avoid excessive illumination of inactive areas.
67. The use of external lighting overnight will be minimised consistent with safe access, egress, and security of the development site.

1.31 Waste Management

68. The Construction Manager will manage waste generated by the development which shall be monitored by a bespoke version of the Building Research Establishment (BRE) SMART Waste Plan. The Project team will use this plan to identify waste streams, forecast waste volumes and identify suitable methods to eliminate, or where this is not practicable, reduce waste generated by the project.
69. During the construction period any packaging which arrives with component parts will be removed and returned with the delivery vehicle and disposed of, off-site, by

the supplier. All other waste during the construction and operation phase will be collected, separated and stored until an accredited waste disposal company attends and removes.

70. When considering management options for identified waste streams, the developer and supply chain members will adhere to the principles outlined in the waste hierarchy.

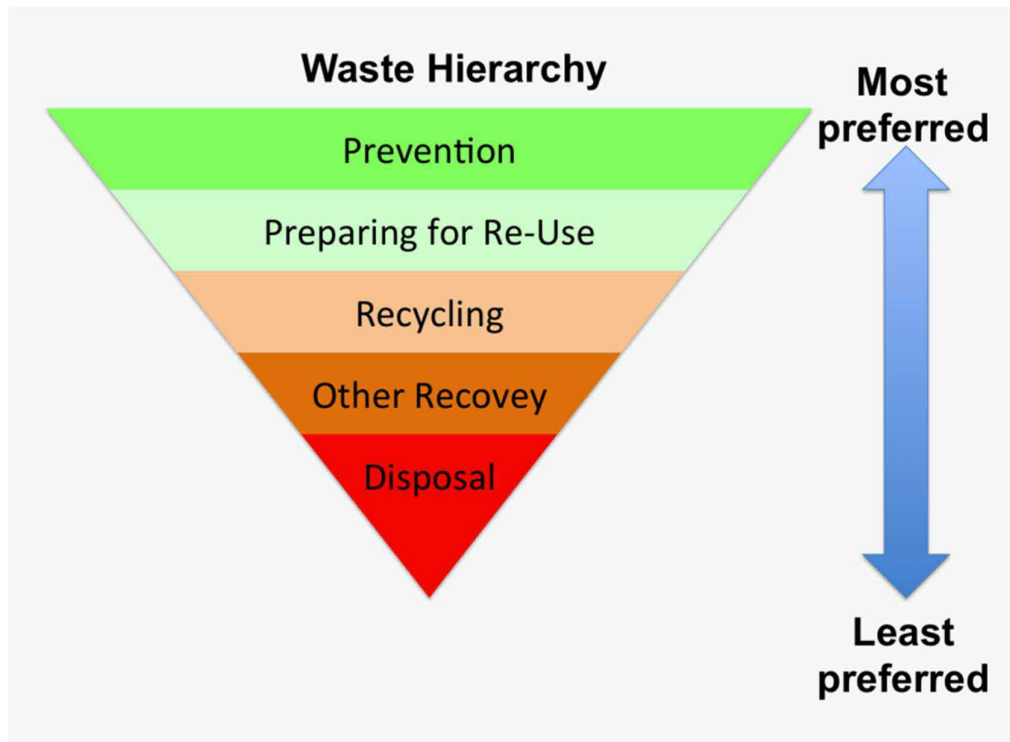


Figure 1: Waste Hierarchy

71. The developer and supply chain members will ensure waste is stored away from drains, boreholes, wells, controlled waters and root protection areas of existing trees. Containers shall be in good condition and, where required, covered to prevent dust and litter being blown out. If there is any likelihood of stored waste contaminating the surrounding environs, all necessary steps will be taken to ensure no contamination occurs. This may include the use of containment bunds with rain shelters and the use of sealed containers, i.e. clip-top drums and fluorescent tube coffins.
72. Before waste is treated and / or removed from the development all subcontractors / waste contractors must provide the Project team with legible copies of the following documentation:
- Environmental permits (mobile plant licences) and exemption certificates authorising on-site crushing and screening activities.
 - Waste Carriers Registration Certificates.
 - Environmental Permits, (Waste Management Licences and PPC Permits).
 - Notification certificate of exemption from environmental permitting.

73. The Project team and, where applicable, subcontractors will ensure that the removal of all inert / non-hazardous waste is recorded on Waste Transfer Notes. These documents must be kept for a minimum of two years. These documents will be stored on site and made available on request.
74. The Project team and, where applicable, subcontractors will ensure the removal of all hazardous waste is recorded on Hazardous Waste Consignment Notes. These documents must be kept for a minimum of three years. These documents will be stored on site and made available on request.
75. Legible copies of all Waste Transfer and Consignments Notes, recording the removal of waste from the development must be issued to the developer. This includes waste generated on site by subcontractors.
76. When removing hazardous waste from the development the following Environment Agency Premises Code must be used on all Hazardous Waste Consignment Notes: (Code awaited from EA).
77. The burning of materials or waste on site shall not be permitted.

1.32 Hazardous substances

78. The Company ensures that there is an inventory for all the hazardous substances at Head Office and on site. Suitable and sufficient assessments have been undertaken to assess the risks of substances used.

1.33 Asbestos

79. Please review and understand the SI report prior to carry out any intrusive works within the Site boundary, If, however, any personnel on site believes that materials may be harmful works must be stopped until the Site manager confirms materials are safe and works can carry on.

1.34 Biological hazards

80. Care should be taken when working on open sites with regards to Leptospirosis, the following advice must be followed:
 - wash your hands with soap and water after handling animals or animal products.
 - clean any wounds as soon as possible.
 - cover any cuts and grazes with waterproof plasters.
 - wear protective clothing if you are at risk through your job.
 - shower as soon as possible if you have been in potentially infected water.
 - check your dog is vaccinated against leptospirosis (there is no vaccine for people).

1.35 Managing Materials, Site Storage, and Good Housekeeping

81. All materials brought to site will be stored, if necessary, within the temporary construction compound to be located on the southern boundary of the proposed development site. The temporary construction compound is permitted development and therefore not subject of this planning application.

82. Details of the housekeeping arrangements for the development site to ensure that stored materials, arisings, and equipment do not cause a nuisance to nearby residents and occupiers of other adjacent premises will be included in the Site induction.
83. Details of the measures to be taken to ensure that materials stored on the Site such as soil and sand, including any contaminated waste are adequately secured to prevent unnecessary and unsightly dispersal around the Site and public areas will be managed by the Site Manager.

1.36 Soil and Land Management

84. Please provide details and locations of any planned storage areas for site won materials (e.g. topsoil, demolition waste, contaminated ground) or construction materials, and how these will be managed.
85. Please provide details of your procedures for controlling and dealing with spillages, reducing the need for stockpiling and/or controlling the size of stockpiles, environmental monitoring, and regular site inspections.
86. Please provide details of your procedures for identifying and dealing with any previously unidentified contamination discovered at the Site during development.

1.37 Control of Watercourses and Ground Water

87. Please provide details on measures to protect water resources and prevent water pollution at the development site.
88. Please provide details on measures to prevent water run-off and silt pollution at the development site.

1.38 Ecology

89. Reference to mitigation measures identified in Appendix D: Preliminary Ecological Appraisal submitted with the planning application.

1.39 Landscape

90. Reference to mitigation measures identified in Appendix E: Landscape and Visual Impact Assessment submitted with the planning application.

The Health and Safety File

1.40 Layout and Format

91. Detail of the layout and format of the health and safety file is normally provided by the client or CDM Coordinator and would be included in the preconstruction information provided to the principal contractor. This information should be included in this section.
92. The health and safety file shall include as appropriate, but not limited to items detailed:
 - Brief description of the work carried out.
 - Any residual hazards.
 - Key structural principles incorporated in the design (as applicable).
 - Any hazards associated with the materials used.
 - Information regarding the removal/dismantling of installed plant and equipment.
 - Health and safety information about equipment provided for cleaning or maintaining any structural components.
 - The nature, location, and markings of any significant services.
 - Information and as-built drawings of the structure, plant, and equipment.
 - Reports carried out as part of the design/construction phase.
 - Details of emergency systems.
93. The health and safety file will be handed over to the client at completion and handover of the project.

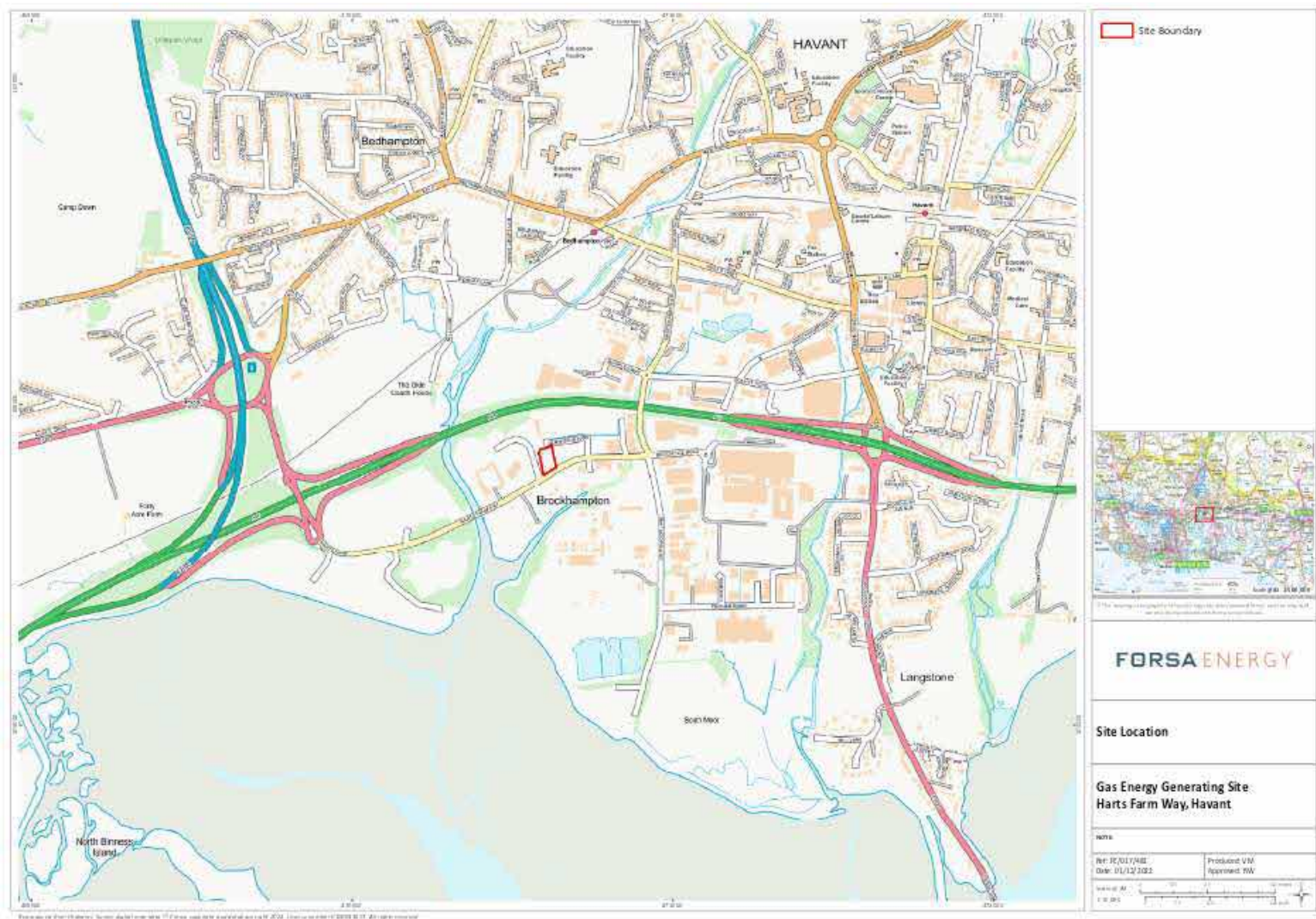
1.41 Arrangements for Collection and Gathering of Information.

94. Information will be collected throughout the works and placed in the relevant files, information will be communicated to the relevant contractors through toolbox talks and document handouts.

1.42 Storage of Information

95. H&S information will be stored in the health and safety file and the construction phase health and safety plans.

Appendix I –Site Plan & Access



Site Location Plan



Site Layout Plan

Appendix II –Site Induction

[TBC]

HAVANT PROJECT SITE INDUCTION

1. Site Access: Signing in and out

On arrival all visitors and contractor must sign in the visitors' book, on departure all visitors and contractors must sign out, contractors / visitors leaving the Site at mealtimes must sign in and out.

On arrival on site all contractors/visitors must receive a site induction and sign the contractor induction acceptance sheet located in the Site office.

2. Parking:

Vehicles must be parked in the allocated parking bays in such a manner not to restrict access for emergency vehicles or impede emergency escape routes, if the Site is busy and the parking bays are full vehicles must be parked outside the Site on the main road.

3. Emergency Arrangements:

An emergency action poster is in the Site office detailing emergency procedures, evacuation assembly areas etc. eye wash and first aid facilities are also located within the Site office, additional first aid facilities are in the welfare unit.

4. Welfare Facilities:

Contractors/visitors are welcome to use the welfare facilities located on site. Please treat with respect.

5. Work Hours:

Normal working hours are Monday to Friday 07:00 hrs to 18:00 hrs and Saturday 09:00 hrs to 13:00 hrs. Work outside these hours must be agreed with the area supervisor.

6. Security:

Contractors have responsibility for their own tools, equipment, and vehicles. Equipment should not be left unattended and should be secured by the contractor at the end of the shift. Vehicles should be locked when they are left unattended. At no time should the Site be left unsecured.

7. Site Hazards

Contractors and visitors should be aware of the following hazards:

- Flammable and explosive gases.
- High Voltage Electrical Equipment.
- Low Voltage Electrical Equipment.
- Remote starting equipment.
- Deep Chambers.

- Compressed air.
- Hot surfaces.
- Exposed pipe work.
- Site traffic.
- Construction dust.
- Standing water.

Do not interfere with the operation of any engine generator, plant, equipment, or machinery.

8. Method Statements & Risk Assessments:

All works must be covered by risk assessments and method statements to be approved by the principal contractor in advance. It is the contractor's responsibility to ensure that they are aware of the information contained within the documentation. Contractors found to be working outside the conditions of the method statement and risk assessments may be asked to cease work and leave site.

COSHH Assessments must be supplied in advance of the works for any substances used on site that are covered by the COSHH Regulations. All controls of the assessments must be complied with.

9. Permits to Work:

A Permit to Work system is in operation. Permits to work are required for all contractors undertaking work on behalf of the Client and are listed below. Other specific Permits to Work may also be required depending on the work being undertaken.

- General permit to work.
- Permit to dig.
- Hot working permit.
- Electrical switching permit / certificate of isolation.
- Working at height permit.
- Confined space permit.
- Western Power permit to work underneath high voltage lines, GS6 (Fourth edition) guidelines are to be adhered to.

10. Deliveries:

Deliveries and offloading of materials should be booked in with the Site Manager and made with consideration for the operation of the Site. Agreement should be sought from the Site manager before offloading materials into any area.

Contractors should be aware that there may be reversing vehicles etc, in and around the Project site.

Vehicles will be required to have a banksman during any reversing operations.

11. Drugs and Alcohol:

Possession and consumption of alcohol and non-prescribed drugs is strictly forbidden. Any person found in possession will be asked to leave site.

12. Operator Certification:

No plant or equipment e.g. excavators, Cherry pickers, must be operated by any contractor unless they have presented the relevant certification/license plant inspection certificate to the BTL site manager. Scaffolding must only be erected by persons holding valid certification, changes to scaffolding will only be authorised by a competent trained person, regular inspections of the scaffolding together with inspection records and scaffold safety inspection tags are required.

13. Asbestos:

The area is believed to be clear of asbestos. If you discover a material and are suspicious it may be asbestos, then you should cease work immediately. Report your findings to the BTL site manager.

14. Electrical Equipment:

Electrical equipment should be 110v centre tapped to earth wherever possible. Equipment should have current Portable Appliance Testing certification copies to be kept in the BTL site files, equipment will be checked on arrival at site and will be inspected periodically throughout the works.

15. Ladder/Steps/Trestles:

All ladders, steps and trestles should be of industrial quality and be covered by a current insurance inspection, all ladders are to be secured and used within the design specification in which it was intended to be used, ladders, steps and trestles showing signs of damage will not be allowed on site.

16. Lifting Equipment:

Inspection Certification for lifting equipment should be available for inspection prior to the commencement of work. No lifting equipment should be used which does not have current valid inspection and test certification, only lifting equipment designed for the task in hand will be permitted. Lifting plans will be required for cranes and Hiab operations.

17. Personal Protective Equipment (PPE):

Contractors and visitors are required to wear the appropriate Personal Protective Equipment, for the task to be carried out, PPE will be inspected for suitability contractors may be required to replace damaged or unsuitable equipment.

18. Accident Reporting:

All accidents, incidents and near misses should be reported to the BTL site manager. It is the contractor's responsibility to report any accidents reportable under RIDDOR to the principal contractor.

19. Unsafe Conditions:

If you see any actions or processes that you consider unsafe BTL encourage you to report it to the Site supervisor to enable action to be taken to improve standards.

20. Site Cleanliness and Waste Disposal:

The work area should be kept clear of all waste materials. Contractors are responsible for the disposal of their own waste. Waste should be disposed of in accordance with current environmental legislation.

21. Safety Signs:

Various signs are posted around the Site and all instructions must be complied with.

22. No Smoking:

The Client operates a NO SMOKING AND NO VAPING policy on all its sites. If you require to smoke, the nearest available smoking area is outside of the Site by the entrance gate.

23. Plant inspection sheets:

Daily plant inspections and records are required to be completed, copies to be presented to the Site manager.

Appendix III –Site Rules

Principal Contractor Site Rules

No:	Site Rules
1	Comply with safe work practices.
2	Wear personal protective equipment and clothing where necessary
3	Comply with any direction given by management for health and safety
4	Report all accidents and incidents on the job immediately, no matter how trivial
5	Report all known or observed hazards to the supervisor or manager.
6	Do NOT use mobile phones or Walkman-style devices whilst working onsite or operating mobile or lifting plant

Other rules will be provided at Site Inductions.

Appendix IV –Construction Site Fire Safety / Emergency Plan

Fire risk assessment

A fire safety risk assessment will be undertaken and developed in accordance with company procedure. A separate fire safety risk assessment is to be completed and maintained for all on site temporary accommodation. The fire safety risk assessments will be monitored and updated weekly and or as the project evolves.

Fire marshals

The Site manager will undertake the duties of site fire marshal as detailed in company procedures.

Fire safety checks and inspections

Fire Marshalls will carry out weekly fire safety checks both in accordance with company procedure detailed in the Fire Protection Association guidance. All records will be maintained on site.

Fire detection systems

There will be no means of automatic fire detection at the early stages of the project. Where applicable designs incorporate early installation and operation of fire detection systems.

Means of raising the alarm.

A manual bell will be situated on the Site to be operated in case of fire, the Site manager will have a mobile phone as means of contacting the emergency services.

Liaison with emergency services

The Project Manager has informed the emergency service of the nature of the project.

Emergency lighting

As the construction site is to facilitate containerised generating equipment in separate containers, the Site is not equipped with emergency lighting. On completion the containers will be equipped with emergency lighting, additional external lighting will be in place around the compound.

Fire extinguishers and fire points

Fire points are located all emergency exits and are designated on the 'emergency evacuation plan'. Fire extinguishers are serviced and maintained in accordance with CDM Procedures.

Emergency evacuation

Site emergency evacuation procedures have been established in accordance with CDM Procedures and the emergency evacuation plan is displayed at all fire points. Emergency exits and escape routes are clearly marked using appropriate signage.

Emergency services access

Emergency services access will be from Hermitage Park through the main gate.

Designated smoking areas

A no smoking policy exists on this and all company sites, no designated smoking areas have been established on this site, a designated smoking area has been identified outside the Site entrance gate.

Temporary site accommodation

Temporary accommodation shall conform to LPS 1195.

Storage of materials, flammables, and waste control

There is no storage of materials on site currently. Waste materials are disposed of in designated skips located outside the building area within the line of the canopies.

All redundant materials and contractor waste will be classified and disposed of via the agreed disposal route.

Combustible materials are not to be left within the works area, or site at large. Materials such as wood, rope, paper, etc, must be cleared up and placed in suitable receptacles and removed from site daily by the respective contractors.

Electricity

All electrical installations will be installed by competent contractors. Electrical equipment will be tested and inspected in accordance with CDM Procedures and marked with a valid test certificate. All electrical equipment is 110v supplied from centre tapped transformer supplies.

Protective products

Protective covers for combustible materials, floor covering, and scaffold covers shall conform to LPS 1207 (LPS 1207 is the standard for Protective Covering Materials issued by the Loss Prevention Certification Board).

Protection against social celebration

Where notification is received those celebrations in the local area may involve fireworks or other risks of ignition the Site manager will arrange additional security patrols.