Bickerfen 1 Project

AGR-HSE-FGP-CPHSEP-MF-280122

Construction Phase Health Safety and Environmental Plan

(CPHSEP)

Revision;	Prepared by:	Reviewed by:	Date:
1	Mark Pollard	Tim Edmund	19/2/24

File: - Bickerfen 1 Project HSE-CPHSEP Doc No: AGR-HSE-BF1-CPHSEP-MP-240219

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HEALTH AND SAFETY GOALS AND OBJECTIVES

- Management is committed to creating and maintaining an accident- and illness-free workplace
- The safety of employees, the public, and the company's operations is vital to the success of the business
- The company intends to comply, as a minimum, with all Health & Safety laws
- Health & Safety will take priority over speed and production, and must become a key part of quality customer service
- Each employee will be provided, through training and education, with the means, resources and opportunity to become a full partner in the Health & Safety system
- Everyone in the company, from employer to supervisor to worker, has a distinct responsibility for Health & Safety, a role in maintaining a safe and healthy environment and an accountability for safe work performance and hazard reporting and correction
- A partnership will involve the Health & Safety Representative, management and workers to identify and resolve potential issues/problems as quickly as possible
- All accidents are preventable, and a target of Zero Lost Time incidents will be adopted as a project specific target.
- All activities will be carried out in a manner that prioritises Health and Safety over and above commercial issues
- Everyone in the company, operating at any level will be encouraged to stop and report any unsafe actions or occurrences which may come to their attention.
- Attention is directed to the need for all persons involved in or affected by the Works to undertake all precautions as necessary by reference to Regulations, Approved Codes of Practice, Statutory Instruments, Guidance, etc, relevant to the work in hand.
- Other health & safety goals for this project include zero major accidents or incidents and the reporting of hazards and near misses.

Through continuous, cooperative efforts, a positive climate will be created, and Health & Safety goals will be achieved.

Please see AGR Renewables Limited H&S policy for a comprehensive view regarding health and safety within the company.

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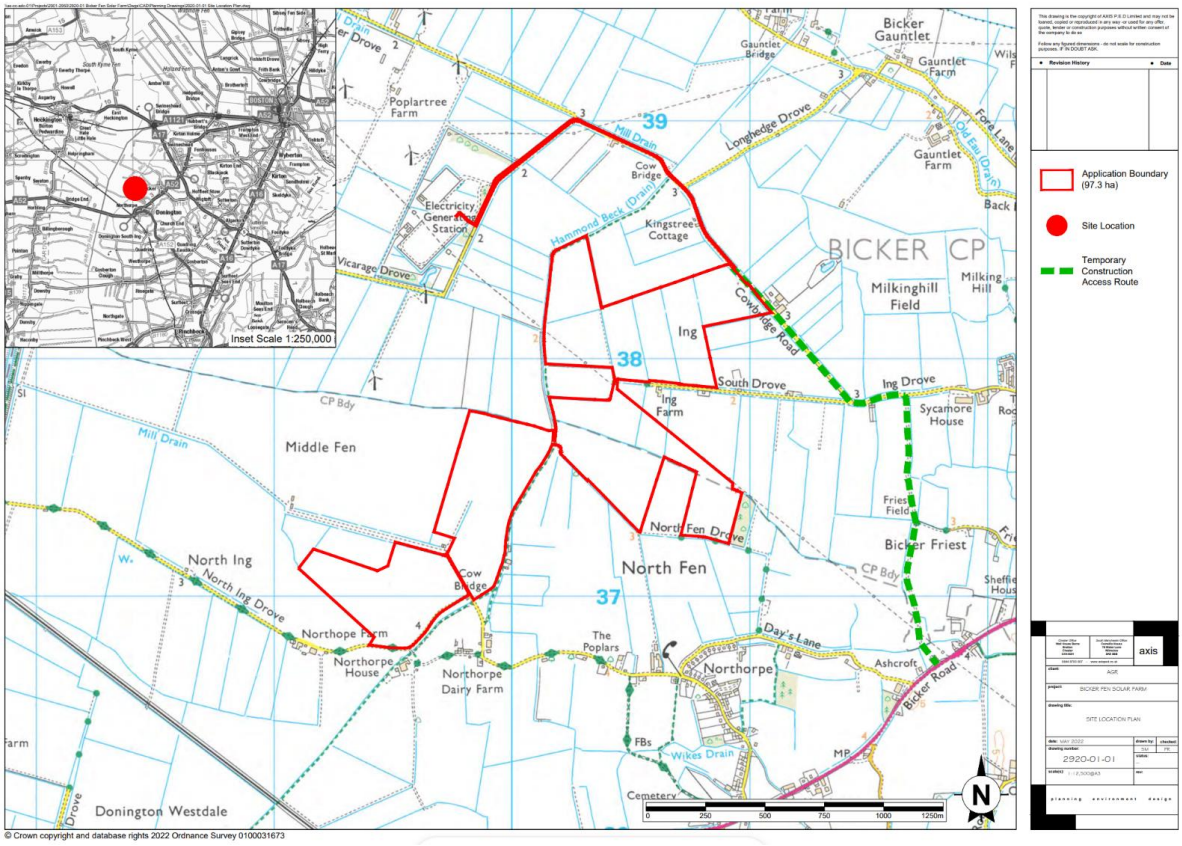
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1. **Construction Phase Plan (Volume 1)**

1.1. Introduction

This Construction Phase Health, Safety and Environmental Plan has been developed by AGR Renewables Limited who are acting as the Principal Contractor on behalf of AGR Solar 2 Limited in line with the CDM (Construction Design and Management) Regulation 2015. The Principal Designer is also AGR Renewables Limited.

This plan details the health and safety management systems that are to be used on site. The Project Health and Safety Plan is a live working document and reference to it will be required on a regular basis. It will contain details of safe systems of work, emergency procedures, fire procedures, etc., which in turn will form the bulk of the contents of the site induction training syllabus. The Construction Phase Health, Safety and Environmental Plan will be made available to all those who have a legitimate need to see it.

The Health and Safety Policy is an integral part of the Plan and is shown in the Project Health and Safety Plan.

Project Details

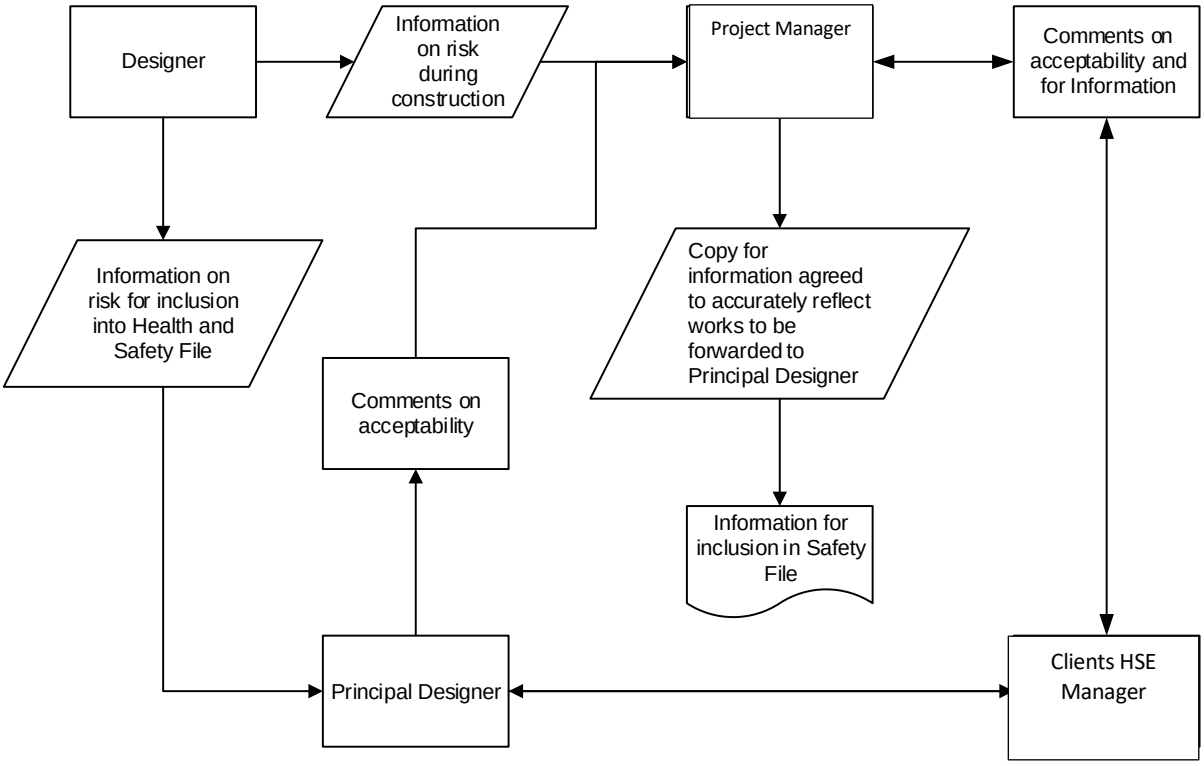
Project	Bickerfen 1 Solar/BESS Project
Description of Project/Works	Proposed Development of a Photovoltaic Solar Array, Grid Connection, Access Improvements Works and Ancillary Development
Location	The Proposed Development site (hereafter referred to as 'the Site') is located on land at Bicker Fen to the north of Northorpe and the west of Bicker
Duration of works	56 weeks
Programme of works	The construction phase of the project is expected to commence in Spring 2024 with the intended completion date, ready for handover to operations, planned for Spring/Summer 2025

Principle Contractor *(on behalf of client)*	AGR Renewables Limited 19 Heddon street London W1B 4BG				
Project Manager	Mark Pollard				
Site Manager	TBC				
Tel.	**TBC**	**Mob**	**TBC**	**Email**	TBC
Tel.	**TBC**	**Mob.**	**TBC**	**Email**	TBC

Client	**AGR Solar 2 Limited**
Principle Designer	**AGR Renewables Limited**
Tel.	**Mob. 07840 051276** **Email Mark.pollard@agr-group.co.uk**
Local HSE Office	Nottingham Kingsley Dunham Centre, Nicker Hill, Keyworth, Nottingham NG12 5GG

The Company shall co-operate with the Principal Designer in developing the Health and Safety File. Information shall be compiled and set out in the manner and format as requested by the Principal Designer. Documentation shall be submitted on completion of the works or on a regular basis if so required.

Lines of communication should be as follows:



Notification to Health and Safety Executive

The project was notified electronically, in accordance with regulations 6(1), (a) & (b) of the CDM 2015 Regulations.

The local HSE Offices are located at:

Nottingham

Kingsley Dunham Centre,
Nicker Hill,
Keyworth,
Nottingham
NG12 5GG

Notification has been carried out by **Mark Pollard**
A copy of the F10 is posted on the noticeboard throughout the project

F10 forms and guidance are found and populated on line at: https://www.hse.gov.uk/forms/notification/f10.htm

Monitoring and Review

A critical part of maintaining and enhancing health and safety is the process of monitoring and assessing policy and implementation.
The results of various measurements, when properly evaluated, can be used to appraise the effectiveness of the control system in general and the Occupational health and safety policy.

Proactive Monitoring

These techniques, which will be carried out by a competent person such as the AGR Renewables Limited HSE, Site and Project Managers with overall review by the Director, include safety inspections and audits and near miss reporting. The objective is to obtain performance feedback, enabling corrective actions to be taken prior to any failure in the system and its associated controls. This type of monitoring is used to evaluate and ensure compliance with legal requirements, or with a stated organisational objective, and also to evaluate existing procedures of work and the actual methods and systems that are documented.

The assessors must:

- identify hazards;
- disregard inconsequential risks;
- determine the likelihood of injury or harm;
- quantify severity and the numbers of people who would be affected;
- identify any specific legal duty or requirement relating to the hazard.

The person charged with assessing health and safety must also:

- inspect the workplace and work environment;
- check documentation to ensure compliance with statutory duties;
- check and visually examine plant and machinery, including test and statutory certificates;
- safety auditing
- review near miss and incident reports.

Reactive Monitoring

These systems are almost always limited to measurement of the extent of failure of safety management procedures. For example:

- historical records to show the extent of lost profits arising from damaged goods, lost production time and reduced output following a safety failure;

- a review of accident and injury statistics either against national averages for the same sector of employment;
- a review of absence statistics;
- health monitoring;
- review of complaints by employees;
- risk control monitoring.

Standards

The health and safety standards for the project shall be, as a minimum, those required by the relevant legislation:

The Health & Safety at Work etc Act 1974
The Management of Health & Safety at Work Regulations 1999 (as amended)
The Construction (Design and Management) Regulations 2015
The Provision and Use of Work Equipment Regulations 1998
The Construction (Health, Safety and Welfare) Regulations 1996
The Manual Handling Operations Regulations 1992
The Electricity at Work Regulations 1989
The IET Regulations, 17th Edition, Amendment 3
The Control of Substances Hazardous to Health Regulations 2014
The Personal Protective Equipment at Work Regulations 2002
The Lifting Operations and Lifting Equipment Regulations 1998
The Confined Spaces Regulations 1997
The Regulatory Reform (Fire Safety) Order 2005
The Health and Safety (First Aid) Regulations 2013
The Control of Asbestos at Work Regulations 2012
The Control of Noise at Work Regulations 2005
The Reporting of Injuries, Diseases & Dangerous Occurrences Regulations 2013
The Work at Height Regulations 2005
The Control of Vibration at Work Regulations 2005
The Hazardous Waste Regulations 2005
Health and Safety (Safety Signs and Signals) Regulations 1996
The Working Time Regulations 1998

Employers Liability Insurance Certificate

(This document will also be displayed on site noticeboard)

BQI Insurance

To Whom It May Concern	
We act as Insurance Brokers to the below mentioned organisation and are pleased to detail those Insurances that we have arranged on their behalf.	
Name of company(ies) on schedule:	AGR Power Ltd and AGR Maintenance Ltd and AGR Peak Power Ltd and AGR Living Ltd and subsidiary companies including but not limited to AGR Renewables Ltd
Occupation:	Gas EPC, solar development, solar and gas technical asset management, wind technical and financial asset management, design and build contractor

Employers Liability	
Renewal Date:	01/09/2024
Insurer:	QBE Insurance
Policy Number:	B0241GC130337Y
Limit of Indemnity (any one occurrence):	£10,000,000

Public, Products & Pollution Liability	
Renewal Date:	01/09/2024
Primary Insurer:	QBE Insurance
Excess of Loss Insurer	Syndicate 2525
Policy Number (s):	B0241GC130337Y / 037D21015T22
Indemnity to Principal Basis:	Applied
Total Limit of Indemnity (any one occurrence & in the aggregate for Products & Pollution Liability):	£10,000,000

BQI Insurance Brokers is a trading name of BQI Group Limited. BQI Group Limited is authorised and regulated by the Financial Conduct Authority. FCA reference no 456214 Registered in Scotland. Registered address Algo Business Centre, Glenearn Road, Perth PH2 0NJ. Company registration no SC306285. Data Protection no Z9624462

Contractor selection and control

- Only Approved Contactors will be used.
- A contractor will be selected on the demonstration of competence to manage safely, health and environment issues.

- The contract will provide references and information on their ability to manage SHE issues.
- The contractor will also be able to provide personnel who have received SHE training to a recognised general site standard along with and role specific safety training, i.e., working at heights, power tool training etc.
- The contractor will demonstrate that there SHE criteria is developed in conjunction with the site operations to be undertaken.
- Independent organisations may be engaged to carry out competence checks and relevant SHE procedures.
- The contractor will demonstrate competence in ability to assess the risk control and management of the contracted work and the potential impact of the works on other contractors.

Management.

- Overall activities involving the contractor will be managed by a co-ordinator.
- Pre-start meeting(s) will be conducted to clarify and agree company/contractor responsibilities, communication lines, statutory requirements, compliance issues etc.
- SHE targets will be set for each contract e.g., meeting schedules, the frequency of housekeeping tours and inspection regime etc.

Site induction & Access Control

- All contractor and employees will receive site-based induction training from a AGR Renewables Limited site manager or authorised representative of the Principal Contractor site manager prior to work commencing.
- Site inductions should ideally be arranged to commence at 09:00hrs Monday to Thursday. AGR will be as flexible as possible to accommodate the needs of Contractors in terms of inducting new staff. Contractors are required however to give as much notice as possible and to pre-book inductions and notify arrival to site a minimum of 48hrs in advance.
- All contractors will receive induction training and appropriate risks identified before commencing work.
- Training will include details of site arrangements, conditions for work, emergency procedures, medical welfare procedures and arrangements, position of safety equipment, special arrangements, permit arrangements and toolbox talks.
- Training / induction will be reviewed and repeated at regular intervals where necessary and the records will be kept on site.
- Where applicable, access control for personnel, tools and equipment will be adhered to. The controls will include review of statutory and test certificates, competent person checks such as CSCS card (or equivalent) checks and completion of site inductions and the signing in and out process.

Meetings, Auditing and Monitoring

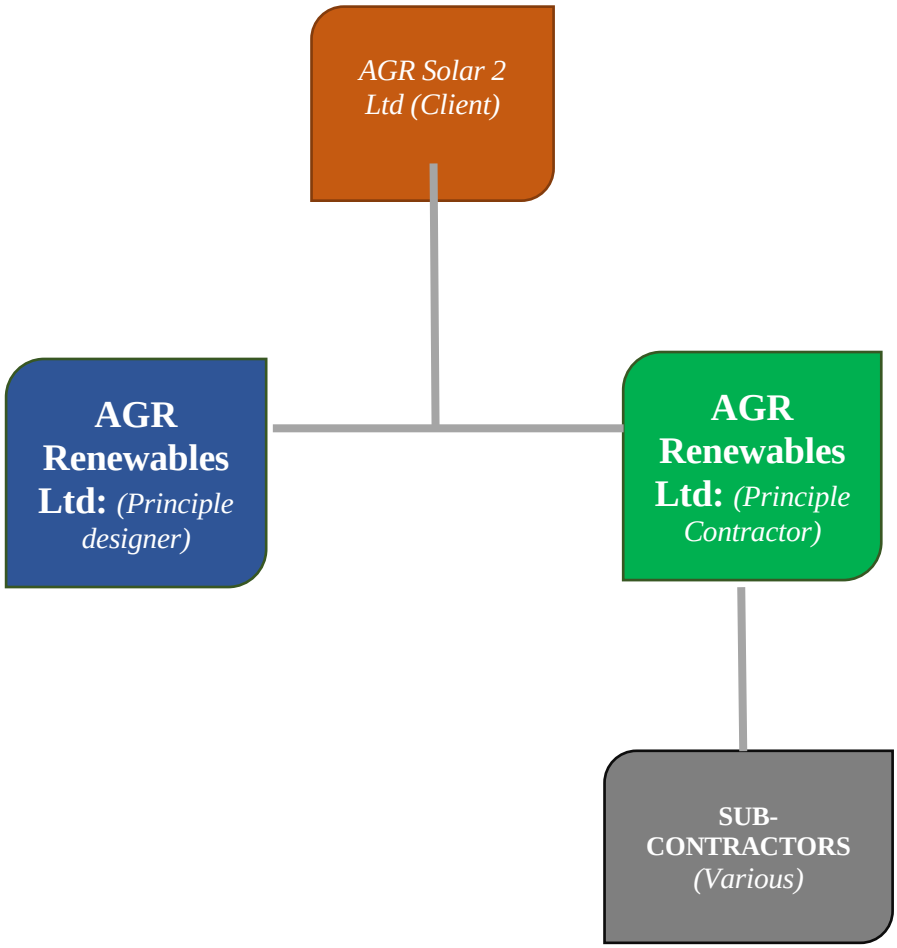
- SHE will be regularly monitored to ensure that they are effective and do not put people, production, plant and environment at risk.
- AGR Renewables Limited will implement procedures for reporting and investigating accidents, near misses and dangerous occurrences as highlighted further in this report.
- Regular review meetings will be held to discuss safety issues.
- Records will be kept of all issues affecting Health, Safety and the Environment.
- All responsibilities will be clear and agreed prior to ANY works taking place.

Post Contract Assessment

At the end of the project, the performance of the contract will be reviewed, assessed and recorded in Lessons Learned document, noting strengths and weaknesses This will lead to an overall performance rating.

Management Structure (Project Overview)

The below organogram shows the project communication and execution channels. The Client AGR Solar 2 Limited has appointed AGR Renewables Limited as the Principal Contractor and the Principal Designer for this project.
The information exchange on site with other contractors that can be present during the execution of this project will be carried out by utilizing weekly liaison meetings between AGR Renewables Limited and the required parties. Any changes in the design will be submitted to the Principal Designer and Client along with accompanying revised design risk assessments.



Roles and Responsibility's AGR:

Oliver Breidt (Director) – Overall responsibility for project delivery

Mark Pollard (Technical Director) – reports to the Director's Overseer of the project and responsibilities are to liaise with the client regarding the project program and delivery.

- Works to achieve program
- Assist in finding solutions in a timely manor
- Interface between client and contractors
- Report back to Managing Director
- Share any lessons learned with site staff
- Work with design team to up-date and resolve

Ally Gill (Project Manager) – reports to Technical Director

- Assist the Senior Project manager on a day-to-day basic
- Works to achieve program
- Assist in finding solutions in a timely manor
- Interface between client and contractors
- Work with design team to up-date and resolve

Tim Edmund (HSE Manager) – reports to Project Manager

- Conducts Safety meetings audits and inspections
- Ensure compliance with standards and relevant legislations
- Interface between designer & contractors
- Acts as primary contact for incidents and reporting
- Provides HSE/CDM technical support to the project team

TBC (Site Manager) – reports to Project Manager

- Day to day H&S of the site
- Site Inductions
- RAMs Review and acceptant
- Day to day contractor coordination
- Weekly Reporting to PM

Kadir Moran (Technical Manager) – reports to Project Manager

- Assist the Site Manager on the Day-to-day H&S of the site
- Procurement for site welfare
- Manage welfare maintenance
- Record and issues MOM
- Manage the site in the absent of the Site Manager

Liaison between other contractors on site

There will be daily briefs with all contractors on site. A weekly Site Managers meeting will be held, each Monday, to look ahead, review and co-ordinate all planned activities on Site. The weekly meetings will be held between the Principal Contractor, Senior representatives from all Contractors and any other interested parties that are on site to liaise and organise the following week's activities and to mitigate any foreseeable risks.

Copy of the action points and meeting minutes of such meetings will be circulated to all Contractors and kept in the site file and be available for any other interested party upon request.

Arrangements for exchange of design information

AGR Renewables Limited is assigned as the Principal Designer for this project and will carry out the design lead. Contractors will employ specialist designers to carry out certain aspects of the design scope for the duration of the contract and will communicate the information to the PD, Client and any other contractors.

Design changes during the project

The control of the construction will be managed by AGR Renewables Limited and if, due to unforeseen challenges or during design reviews, if any part of the design needs altering, AGR Renewables Limited will advise the Client with the reason and solutions for the proposed design changes along with updated risk assessments and any other relevant calculations and design information. No design changes will commence without prior written approval from the client

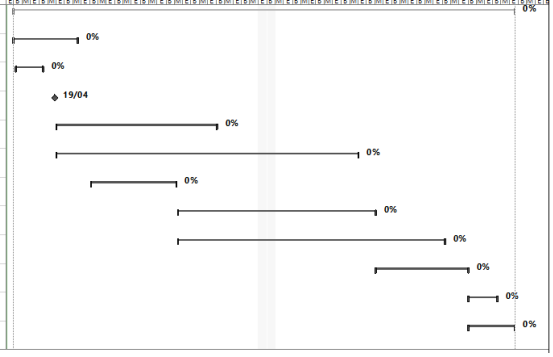
Following approval from the PD, the information will be relayed to AGR project and site team. The AGR Project Manager is responsible for notifying the changes to all related and interested parties on site that are working on the construction site.

1.2 Project Phasing

The project phasing is proposed to as per the draft programme (indicative only) below:

Bicker Fen_Draft_14_02_24_R01

ID	Vorgangsname	Duration	Start	Finish
0	290124_Bicker Fen	411 dys	Fri 01/03/24	Mon 27/10/25
1	LOI for Surveys & POT	56 dys	Fri 01/03/24	Fri 17/05/24
19	EPC Contract closure	25 dys	Mon 04/03/24	Fri 05/04/24
22	NTP	0 dys	Fri 19/04/24	Fri 19/04/24
23	Engineering	140 dys	Mon 22/04/24	Fri 01/11/24
41	Procurement and delivery on site	240 dys	Mon 22/04/24	Mon 21/04/25
69	Construction - Infrastructure	75 dys	Mon 03/06/24	Fri 13/09/24
73	Construction - PV Plant	150 dys	Mon 16/09/24	Mon 12/05/25
84	Construction BESS	210 dys	Mon 16/09/24	Mon 04/08/25
90	Commissioning - PV Plant &BESS	80 dys	Tue 13/05/25	Mon 01/09/25
97	PAC - PV Plant	25 dys	Tue 02/09/25	Mon 06/10/25
102	As built & O & M Handover	40 dys	Tue 02/09/25	Mon 27/10/25



A detailed programme of works will be provided to all parties at least 4 weeks prior to the commencement of construction.

1.3 Site Set-up

AGR Renewables Limited and all the contractors shall adhere to all relevant Health and Safety legislation and the rules, requirements and standards outlined in this document for the duration of the project.

All persons involved with the task will be made aware of their responsibilities under the current Health and Safety Legislation and the AGR Renewables Limited Health and Safety rules and procedures.

The information will be relayed to the operatives via a site-specific safety inductions and task specific briefings. Information provided, that may be considered applicable or that could cause a hazard to the health and safety of the site personnel and may include:

- Site specific safety requirements.
- Site specific hazards
- Site access and egress routes.
- All evacuation procedures.
- Normal site working hours.
- Location of welfare facilities.
- Site security arrangements.
- Location of fire and emergency facilities.
- Reporting accidents, incidents and near misses.
- Location of visitor's book.
- Location of site safety notice boards.
- Use of site lifting equipment.
- Use of power supplies.

Prior to commencement of work and access to site, all operatives will be subject to a site-specific induction and to produce a CSCS card or equivalent.

Safety Notes and Precautions:

All operations will be carried out in accordance with AGR Renewables Limited Occupational Health and Safety Policy.

Prior to commencement of works and the PC Site induction all operatives will read and fully understand the Risk Assessments and Method Statements (RAMS) related to their planned works. All operatives are required, in the presence of their own Project Manager (at a Contractors Induction) to sign their RAMS to evidence they have read and fully understand them.

a. All operatives to be inducted on to site prior to commencement of any works
b. All operatives must be competent and suitably trained to complete their works.
c. All operatives must read, agree and sign on to their RAM's.
d. All operatives will sign in & out of the principal contractor's attendance register daily.
e. Every individual has a duty to take care of the health and safety of themselves and those who may be affected by their works.
f. Any accident, incident, near misses or uncontrolled hazards will be reported as soon as practicable to the site manager and own company procedures
g. All works will be carried out according to the agreed Method statements relevant to the works. No deviations from the method statement are to be carried out without prior approval from the Principal Contractor. It is the duty of individual operatives to know the content of the method statement for their particular works.
h. Each individual is responsible for knowing the contents of the COSHH assessment for any material they are working with and adhering to the control measure detailed within.
i. Where Permits are required, these will be requested prior to work commencing. No Works will proceed until permits have been authorised and issued.
j. All personnel must ensure that they are wearing and using the appropriate PPE and that it is in good condition with no defects. Any defects will be reported your site supervisor and will not be used. PPE must be worn in accordance with the method statement The Site Minimum requirements at all times is Hard hat, Hi-vis and safety footwear. Additional and specialist PPE must be used when the risk assessment requires it.

k. Before starting work, the work area will be inspected by the operative to make sure the area is safe to start work. If the area is deemed unsafe this will be reported to the PC site manager, and until the area has been deemed safe to work, no work will proceed.
l. All tools and equipment will be inspected prior to use to ensure they are in good condition and suitable for the task required. Any defects will be reported to your site supervisor and will not be used.
m. Site operatives will strictly adhere to designated work areas (Zones) and access routes. These areas are to be kept in good order throughout the works.
n. All plant and equipment will be maintained in good condition. Inspection of tools and equipment will be carried out at regular intervals and records kept on site for inspection as and when requested.
o. All reverse manoeuvres must always have a competent banks person in place.
p. Welfare facilities will be kept clean and tidy.
q. Good housekeeping will be maintained always, and before the end of the working day Sub-contractors will offer up work areas for inspection, to the site manager, making sure that the areas are clean, tidy and safe.
r. Smoking only in designated areas only.
s. Use of mobile phones Stop work move to a suitable safe location, **(DO NOT WALK AND TALK).**
t. Waste management is the reasonability of all sub-contractors. The site manager will agree a location where skips can be place. Skips to be exchanged/removed when full.
u. Weekly toolbox talks to be attended by all personnel on site. These will be given by your own company.
v. No food or drink on site, with the exception of bottled water.
w. No Horseplay.
x. Bullying and discrimination of any kind is not tolerated on site.
y. AGR operate a zero-tolerance drug and alcohol policy. (**Testing may be carried out).**
z. All personnel must Adhere to site signage.

Emergency Fire Arrangement and Evacuation Plan

Fire call point and sounder are located within the welfare areas and throughout the construction zones. Fire Extinguishers are also located within the welfare area outside the welfare units and next to fuel storage containers These are for mainly aiding escape. A Smoke/Heat detector is fitted within the canteen.

As construction progresses, locations of emergency equipment are detail on the site plans and displayed on the noticeboards. The assembly area (Muster point) is clearly sign, depending on which area you are in, genially the Muster point will be near the welfare area or within the car park area.

EMERGENCY EVACUATION PROCEEDURE

- **On discovering a fire on the construction site, the person discovering the fire will: -**

- Activate an air horn or bell on the nearest fire point.
- Activate by **three short blasts** continually until site is clear.
- Only attempt to extinguish the fire if safe to do so and at no risk to themselves.
- **Proceed to the assembly point continually activating the horn in sets of three short blasts.**
- Responsible person for area of concern to call the fire emergency service. 999.
- Responsible person to ensure the area is evacuated and personnel assemble at the fire assembly point.
- Responsible person to meet fire service onsite.
- Responsible person to report incident to Site manager
- No person to re-enter site until told to do so by a fire officer.

Note: Clear access to the site and the building for Fire Brigade access and evacuation must always be maintained

The Fire Assembly Points is entrance to welfare area and or Car park as signed.

There is currently 2 Fire assembly points, as there are 2 compounds, ensure you are aware of your local assemble point when working in different areas. These are clearly sign posted.

Potential Health & Safety and Environmental hazards and the controls

The following hazards and controls have been identified by AGR Renewables Limited and are recorded within the Project Health and Safety Plan, the scope and extent of the works to be executed is limited to the designated area:

Hazard	Controls/comments
Access and Egress	Contractors' vehicles will enter the site parking area. Designated traffic and pedestrian routes are in place, where possible. No parking in other areas or blocking of site roads or access to any building will be allowed at any time. Delivery loading/unloading drivers will be directed to a laydown area and will be manage by the contractor. The site speed limit of 5mph will be obeyed at all times. Mobile crane lifting areas will be agreed and incorporated in the plan. Lifting plans will be in place prior to commencement of such activities. Any closure of routes will be clearly signed and cordoned off and managed accordingly.
Outsiders in danger zone – Staff, visitors, and members of the public	The CDM site is on private land and away from the public right of way. The construction site entrance for pedestrians is via the welfare area. Suitable arrangements are in place to prevent unauthorised persons entering the CDM site and work areas. Out of house barriers are in place to stop unauthorised, these are operated by the landowner. Onsite security guards (with dogs) ensure no unauthorised entry to the Construction Site.
Permits	Use of Permits to Work will be followed and applied to this project in line with Risk assessment and method statements and issued by the relevant Permit Office for a maximum 7 days. Associated High Risk Permits will be issued daily for a Maximum 12 hrs. Permits will only be issued to competent responsible supervisors. All permits are subject to the completion of a daily last-minute risk analysis. **Site Manager:** • General Work Permit • Hot Work Permit • Work at Height • Permit to Dig • Electrical including isolation arrangements • Confined Space **Commissioning Senior Authorised Person:** • Limitation to Access Permit • LV Sanction to Test Permit • HV Sanction to Test Permit • LV Permit to Work • HV Permit to Work
Dangerous chemical and substances (COSHH)	Site specific survey to be carried out with regards the use of any substances and findings to be recorded in the H&S file. COSHH assessments will be completed to highlight hazards and adequate control measures to minimise the effects. COSHH storage will be supplied, if required by the contractor. Spill

	kits will be supplied by the contractors. If Bunding is required, an agreed location will be made available.
Dust/Dirt	Any high-level dust producing operations to be reviewed and suitable controls applied**.** Wet cutting and vacuum extraction will be applied where possible and suitable PPE will be made available. If considered necessary during any periods of wet weather, all site traffic would exit the site via a wheel washing facility which would be installed at the site to help reduce any potential impact on the local highway network during construction.
Isolations	Lock out tag out and permit to work systems will be strictly in place for electrical and gas works. These will be clearly noted on noticeboards and identification tags to the relevant isolation points. This will be managed by the site appointed SAP, who will also vet the competency of the engineer requesting isolation.
Hot work	Where hot working is used i.e., welding/cutting, then it will be controlled by the Hot Work Permit system. All hot work will cease 1 hour prior to the end of shift. Fire watch and equipment will be in place in line with permits and RAMS. Operatives will use appropriate measures to ensure that excess dust or other flammables are removed prior to the hot work commencing.
Fire	A risk assessment will be carried out and all phases of the work to be carried out will be considered for its content. There will be fire extinguishers suitable for the type of fire that might occur in the assessed locations at all times. Emergency routes and assembly area will be maintained at all times. A fire horn and alarm will be installed and noted on the site plan. Information will be placed on the noticeboards and updated accordingly.
Waste	Suitable segregated skips will be provided and the responsibility for waste streams will be made clear on induction. Any hazardous will be kept separate and appropriate skips used. All waste transfer notes will be held by site management. Only licenced and approved Waste Management companies and Carriers will be use. A contaminated area will be identified with the civil contractor and client, if identified.
Vibration	The use of vibratory tools and equipment must be controlled, and no person must be exposed to levels of vibration greater than those laid down in the current Vibration at Work Regulations 2005. These controls will be stated under the appropriate RAMS.
Electricity service	Only suitably qualified senior authorised person (SAP) will review and oversee any HV works. All electrical equipment will be battery powered of 110v and PAT tested. Any live service works will be detailed in the appropriate RAMS, permitted and where applicable, isolated for the duration of the works.
Commissioning	All Commissioning works will be overseen by the Commissioning Manager. All Commissioning works will be under the strict control of a suitably qualified senior authorised person (SAP). All commissioning works, and testing will be permitted by the SAP under the following permits.

- Limitation of Access
- HV Sanction to Test
- LV Sanction to Test
- HV Permit to Work
- LV Permit to Work

Manual Handling	Where possible mechanical lifting equipment will be used. All work will conform to the Manual Handling Regulations 1998 and the relevant risk assessments.
Moving machinery and site traffic	Potential for vehicular traffic adjacent to working areas be organised and with permission from the site manager in conjunction with the site traffic plan which indicates traffic direction. Speed limit signs will be present throughout site along with all site staff being made aware of site traffic hazards and rules during the site induction. During normal working hours, no vehicles will be on site unless coordinated and notified by the site manager.
Noise	Noise levels will be kept to a minimum and in accordance with planning permissions. The site manager will ensure that any operations exceeding 85dB (A) will require separate assessment and the findings recorded and placed in the H&S file. Personal exposure will be controlled by suitable and sufficient PPE.
Slip, Trip and Falls	Good housekeeping and work methods must be used to control and prevent this hazard. Suitable and sufficient lighting in all areas will be in place where appropriate. Dedicated storage, laydown areas and skips will also provide. A near miss reporting system will be in place and trained out.
Working at height	All work at height will be controlled by the permit system and will conform to the requirements of the Work at Height Regulations 2005. This includes both the erection and use of safe work platforms if required. Any personnel working at height will demonstrate that they are suitable trained in Working at Height. All operations involving working at any height will be properly planned and risk assessed. The hierarchy of controls will be followed in the establishment of safe work access and platforms for all areas and all work at height.
Scaffolding Operations	All scaffold erections must be designed for the intended purpose/use and carried out by an approved and competent person, ensuring all scaffolding is in compliance with TG20:13 ensuring fit for purpose with correct design and weight loading, SG4:15 will ensure the scaffolding process/operations carried out by competent scaffolders will be carried out safely. Scaffold tags and inspection tags must be completed and clearly visible for inspection and auditing purposes.
Mobile Elevated Work Platforms, Forklift Trucks and PUWER (Provision and use of work equipment)	Use of MEWP's will conform to the requirements of the Working at Height Regulations 2005, The Provision and use of work equipment, the Lifting Operations and Lifting Equipment Regulations 1998 and GEIS6. When operating MEWPS with the exception of working over water, harnesses will be worn and correctly anchored at all times (this does not apply to scissor lifts) Care and planning must also be carried out when working near overhead hazards. Seat belts must be worn at all times when operating FLT's.

	Only competent and authorised persons will operate such vehicles. Pre-use checks will be carried out prior to operating any of the above equipment. Statutory inspections/thorough examinations will be carried out every 6 months. All records will be held by Site Management.
Lifting Operations and Lifting Equipment (LOLER) and Provision and use of work equipment (PUWER)	Lifting and lowering operations will conform to the requirements of the Lifting Operations and Lifting Equipment Regulations 1998 (LOLER) and The Provision and Use of Work Equipment 1998 (PUWER). All lifting equipment must be tested, certified and visually checked prior to each use. All non-routine lifting operations will be planned by a competent and appointed person. Statutory inspections/thorough examinations will be carried out every 6 months by a competent person. Lift Plans will also be in place. All records will be held by Site Management.
Excavations, trenches, cofferdams and caissons	Excavations, trenches, cofferdams and caissons work will be suitably accessed in line with Construction (Design and Management) Regulations 2015 Regulation 22 &23 and HSG150. Assessments and surveys will be carried out to identify the risks, including underground and overhead risks and the necessary controls required and will be supervised by a competent person. These methods will be detailed and confirmed in the appropriate RAMS and permits. Safe means of access and egress will be in place and monitored at all times during the operations. HSG 47 shall apply. Regular use of CAT and Genny. All excavations will be barriered at a distance equal to the excavation depth with appropriate warning signage attached. Sub-contractors are responsible for the segregation of excavations.

Site Laydown Areas	Site lay down areas will be in place. Locations will be confirmed on the construction site plan drawings.
Asbestos	N/A On this site
Services	A survey shall be undertaken to determine the presence of water, gas, electricity and any other buried services in the vicinity of the working area. Any activity which may impact on these services will not start without a dedicated risk assessment, briefing and tool box talk with the work force. In the unlikely event of tampering/damage to these services the incident will be reported immediately. Should there be a requirement for temporary lighting and power supplies; these will be 110v and battery powered where possible.
Environmental	Ensure that all hazardous liquids are stored and used so not to contaminate land, water or drainage. Spill kits must be used for any significant spills and placed in hazardous waste when used. Drip trays will be used when working with hazardous liquids, where possible. All significate spills will be reported to Site Management and investigated.
Planning Permission Special Requirements – Contamination discovery	If during development, contamination not previously identified is found to be present at the site then no further development (unless otherwise agreed in writing with the Local Planning Authority) shall be carried out until a remediation strategy detailing how this contamination will be dealt with has been submitted to and approved in writing by the Local Planning Authority. The remediation strategy shall then be implemented as approved.

Traffic Routes and interface with the public

The routes and methods required for both pedestrian and vehicular access will need to be specified, as required by Regulations 17 of the Construction (Health, Safety and Welfare) Regulations 1996. Traffic and pedestrian routes into and through the site will need to be established prior to work commencement, where applicable, and may require modification as work progresses.

During normal working hours, no vehicles will be on site unless coordinated and notified by the site manager. These arrangements will be noted on the daily activates board.

Regulation 13 of the Construction (Design and Management) Regulations 2015 require AGR Renewables Limited to take reasonable steps to ensure that only authorised persons are allowed into the areas where construction work is being performed, this will be managed by way of Security, fencing and signage. Arrangements such as site inductions, permits and approval and review relevant RAMS. Security and authorisation methods will be put in place and managed by the site manager accordingly. Further guidance may be obtained from the HSE publication. This will then entail certain measures which are detailed below. HS(G) 151 Protecting the Public – Your next move.

Access will be taken via a combination of two routes, including the route outlined in the planning application, so as to provide a separate arrival and departure route for construction vehicles.

This will comprise:

1. Route 1: Via the Viking Link ‘haul / access road’ route from Bridge End Causeway (A52), towards North Ing Drove, and Middle Fen Drove; and

2. Route 2: Via the existing National Grid ‘haul road’ from Bicker Road (A52), towards Ing Drove, Cowbridge Road.

The above routes will be allocated for either arriving or departing construction vehicles once the timescales for construction of the Vicarage Drove Solar development are known. This is to ensure that there is no conflict if they are built at the same time.

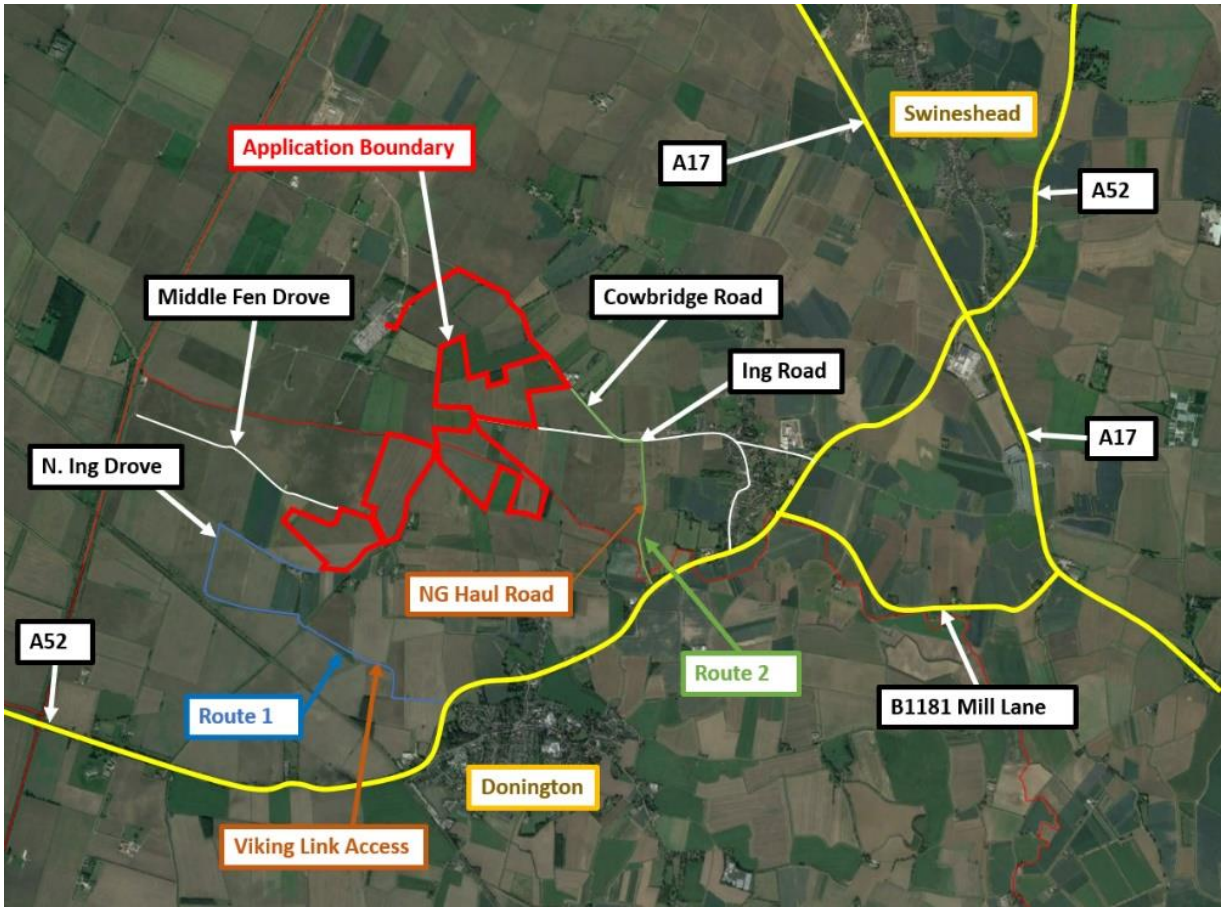


Figure 1 – Bicker Fen Solar Development Access Routes

Access and egress to the site

Access to site will be in accordance with Principal Contractor requirements and procedures. All vehicles will observe the 10mph site speed limit at all times. Emergency procedures and location of assembly areas will be made known to all contractors during induction. All contractors and visitors will sign in on arrival and upon leaving the site at. The site will be left in a safe and secure condition at all times.

Segregation of Work Areas

Adequate measures will be taken to ensure that the programmed works do not interfere with the public, other contractors or visitors, this will include the use of shielding during welding operations, and adequate signage and barriers.

Delivery and collections of materials and equipment

All deliveries and collections of materials and equipment to site must be arranged and agreed with Site Manager. 24 hr Notice is required. The driver will report to the security gate house, where their details will be recorded before entering site. During delivery and collection, the contractor reasonable for the delivery or collection, will escort the vehicle to the loading area (banksman) The driver will be under supervision of the responsible contractor, who will manage these deliveries and activities accordingly.

Storage of Material

Storage of materials will be in allocated laydown areas only and marked out on-site plans. All materials on site will be stored in accordance with AGR Renewables Limited requirements and current legislation. COSHH assessments and data sheets will be available for review and emergency measures.

Removal of Waste Materials

All waste materials will be removed from site in a safe and legal manner. The waste carrier's registration and applicable licences will be checked for validity and confirmed prior to any collections, records to be kept on site. Waste Transfer Notes will be redeemed and stored on site. Waste must be cleared to agreed site locations daily. All measures shall be taken to ensure segregation of all waste materials. All hazardous and contaminated waste will be kept separate and appropriate designated areas and skips.

Welfare Facilities

CDM Regulations 2015 require suitable and sufficient welfare facilities, with arrangements for maintaining them in a functional, clean and tidy condition. The specific provisions are detailed below.

Office Areas

Site office locations are shown on the construction site lay out drawing.

Messing Facilities

Site messing locations are shown on the construction site lay out drawing.

- Drinking Water: within the mess facility
- Means of heating food: within the mess facility
- Hot & Cold water within the mess facility
- Fridge within the mess facility
- Kettle or means of boiling water in the mess facility
- These areas to be kept clean at all times**.**
- Site facilities may vary over the duration of the project.

Washing Facilities

Welfare arrangements shall contain adequate washing facilities.

Toilet Facilities

Welfare facilities shall contain suitable and adequate toilet provisions.

(Shower etc.)

Not required on site.

Responsibility for Cleaning & Maintenance

Everyone on site must tidy up after themselves (Clean as you go policy) and ensure the facilities are kept tidy and hygienic at all times. Site cleaners will be employed for the duration of the project on a full time basic. The servicing of welfare facilities will be the responsibility of the provider and will be undertaken on a weekly basis.

Under Section 2(2)(c) of the Health and Safety at Work etc. Act 1974 and the CDM regulations 2015 it is the duty for every employer to provide such information, instruction, training and supervision as is necessary to ensure, as far as is reasonably practicable, the health and safety at work of their employees.

On analysis of accident statistics, the majority of accidents occur to those employed on construction sites during their first week on site. This illustrates the requirement of the site orientation training (induction training) to be completed for all those who work on site and for any other person/s who requires access into the site. Visitors who may require access to site for a brief period will be accompanied by a member of site staff at all times during their visit.

Areas accessible to contractors during normal working hours are shown in the construction plan lay out. Apart from emergency situations where the individual must follow the nearest safest evacuation route as indicated in the construction site plan layout.

Induction Training & Records

To be delivered by the site manager for all new personnel prior to them starting work on site. The training must be recorded on the induction record sheet. All records of completed and signed inductions will be stored on site.

- AGR Renewables Limited induction training must be followed at all times.
- All personnel who arrive carryout site works **must have their competencies checked including CSCS cards** (or equivalent), certificates, licenses etc before being inducted to site. Any person who cannot produce proof of competencies will not be inducted and will not be allowed on site.
- Outline of the Project Health and Safety Plan, site working hours, delivery times and site rules.
- Emergency procedures, including fire evacuation and medical emergency procedures.
- First aid – Names and locations of all first aid personnel and facilities
- The procedure for reporting minor and major accidents, damage incidents and near misses will be issued to all
- Project rules for personal protective equipment
- Risk assessments, method statements and permits applicable to the briefing
- Individual responsibilities for safe practices
- Hazardous areas on site and site-specific hazards
- Interface with other contractor's personnel
- The construction area and the facilities lay out. Confirming that nobody is to access other areas of building unless it is an emergency situation.
- Q&A

Rules specifically enforced by AGR Renewables Limited

1) Method Statements and Risk Assessments will be required for all tasks and all personnel involved will have read & signed before commencing the task.
2) All on site must use the sign in and out process.
3) Safety boots (no rigger boots), hard hats, hi-visibility vests, must be worn at all times. Additional and specialist PPE to be worn as required.
4) Shorts, Short trousers and vest tops are prohibited on site.
5) The construction working hours for this site are 07:30 to 18:00 Monday to Friday and 08:30 to 18:00 Saturday to Sunday unless alternate hours are agreed by the site management. Deliveries and noise generating activities would only take place from Monday to Saturday (inclusive) within the following hours: Monday to Friday 07:30 to 18:00; Saturday 07:30 to 13:00; and no deliveries on Sundays except for one-off abnormal loads or large vehicles such as cranes. Piling would only be undertaken between 09:00 to 17:00 each day Monday to Friday.
6) All materials arriving on site must be stored in their designated storage areas.
7) All wastes must be placed in the appropriate skip as the work progresses, the site must be left clean and safe at all times.
8) Remember, you have a duty to look after yourself and others affected by what you do and do not do.
9) Do not operate any plant or machinery unless you can prove that you are competent to do so and that prechecks have been completed.
10) Drugs and alcohol are not compatible with construction; any hint of the influence of drugs or alcohol will result in permanent removal from site.
11) Know who your supervisor, first aider and emergency points are.
12) All accidents and near misses must be reported immediately and directly to site management to be investigated and reported accordingly.
13) Only electrical tools accompanied with an up-to-date PAT certificate and where applicable a calibration certificate will be used on site. (PAT test and calibration every 12 months). However, battery powered electrical tools are the encouraged as the first choice.
14) All AGR Renewables Limited construction sites are designated as non-smoking sites. An area will be established for those operatives who smoke.
15) Permits will be risen for specific works and issued by site management and displayed accordingly.

Induction Training Register
Site Induction Register to be used for all training records on site.

Personal Protective Equipment

In compliance with the Personal Protective Equipment (PPE) at Work Regulations 2002, all PPE must be fit for purpose and intended and suitable for the person and task.
There is also a requirement for the employer to ensure that their employees have had sufficient information, instruction, and training to use and maintain this equipment.
Record of the training they have received, the type of equipment and the circumstances in which it is used is detailed in a risk assessment or method statement.
Note - PPE is the last line of defence, the use of engineering controls should always be assessed.

The policy AGR Renewables Limited is the minimum 3-point standard of PPE, Safety footwear with midsole protection (no rigger boots), safety hats, hi- visibility reflective jackets/vests. ALL hi-visibility jackets/vests to be clearly branded with Main Company logo/name clearly visible.

The site is open 5 days per week. Outside normal hours working by prior arrangement only.

Note: The time that people spend at work is governed by the Working Time Regulations 1998.

These regulations basically require that: -

- Employees shall not be required to work more than 48 hours in a 7-day week unless they agree to do so
- Employees must have at least a 24-hour rest period in each period of 7 working days. Alternatively, the rest period may be 48 hours in any 14-day period unless employee agrees otherwise
- Night work must not exceed 8 hours in any 24-hour period and must be pre-arranged and agreed by all parties involved.
- Employees must have at least 11-hour unbroken rest period in any period of 24 hours.
- A rest period of at least 20 minutes must be provided after 6 hours at work.

The reference period over which the figures are averaged shall be 8 weeks or the duration of the project, whichever is the shorter

Consultation with work force

There will be regular consultation held on site with the work force and during these the work force will be consulted on the management of health and safety and risks on site.
The site notice board (located at the welfare facility) will be updated regularly and allow all site attendees access to relevant H&S documentation at all times.

Surface Water Management

Unique ES Reference	Action/Commitment/Mitigation (including Monitoring Requirements)	Objective	Organisation/Individual Delivering Measure
D-WR-001	Construction works will avoid the positioning of temporary material stockpiles near to watercourses and will ensure material stockpiles are located outside of the flood zone where practicable. Welfare facilities and stored equipment and materials to be located within the compounds so that areas of high flood risk are avoided.	To minimise the impacts on surface water quality, groundwater and flood risk.	Construction Contractor(s)
D-WR-002	Construction works will ensure that a sufficient working area, as agreed by the Construction Contractor, is made available for effective sediment management for works within watercourses.	To minimise the impacts on surface water quality, groundwater and flood risk.	Construction Contractor(s)
D-WR-003	Temporary stockpiles will be located a minimum of 10m from the top of bank of any watercourse, where practicable.	To minimise the impacts of surface water quality, groundwater and flood risk.	Construction Contractor(s)
D-WR-004	Where necessary temporary stockpiles will be protected by silt netting when not in use.	To minimise the impacts of surface water quality, groundwater and flood risk.	Construction Contractor(s)
D-WR-005	Surface water runoff from construction works within 10m of watercourses will be treated by use of a sediment trap where required.	To minimise the impacts of surface water quality, groundwater and flood risk.	Construction Contractor(s)
D-WR-006	Temporary drainage systems will be implemented near sensitive receptors to control surface water runoff, to alleviate both flood risk and help to prevent sediment laden runoff entering the watercourse.	To minimise the impacts of surface water quality, groundwater and flood risk.	Construction Contractor(s)
D-WR-007	Temporary cut-off drains will be used uphill and downhill of the Construction Compounds to prevent clean runoff entering and dirty water leaving the working area without appropriate treatment.	To minimise the impacts of surface water quality, groundwater and flood risk.	Construction Contractor(s)
D-WR-008	All drains within the construction works areas will be identified and labelled and measures implemented to those considered most at risk of	To minimise the impacts of surface water quality, groundwater and flood risk.	Construction Contractor(s)

Unique ES Reference	Action/Commitment/Mitigation (including Monitoring Requirements)	Objective	Organisation/Individual Delivering Measure
	polluting substances from entering them.		
D-WR-009	All new permanent connections of open drainage channels to receiving watercourses, as part of the detailed AGI/BVS surface water drainage strategy, will be constructed to reduce the impact on the geomorphology of the relevant watercourses.	To minimise the impacts of surface water quality, groundwater and flood risk.	Construction Contractor(s)
D-WR-010	Areas with a greater risk of spillage (for example, vehicle maintenance and storage areas for hazardous materials) will be carefully sited (for example, away from drains or areas where surface waters may pond) and on an impermeable surface.	To minimise the impacts of surface water quality, groundwater and flood risk.	Construction Contractor(s)
D-WR-011	Emergency response plans will be developed, and spill kits made available on-site.	To minimise the impacts of surface water quality, groundwater and flood risk.	Construction Contractor(s)
D-WR-012	Measures to be put in place to prevent pollution from construction plant, vehicles and machinery including refuelling and lubricating in designated areas, on an impermeable surface, with appropriate cut-off drainage located away from watercourses; plant to be maintained in a good condition with wheel washing in place (avoiding vehicle cleaning near to existing watercourses), all refuelling would be supervised and carried out in a designated area. In the event of plant breakdown, drip trays would be used during any emergency maintenance and spill kits would be available on-site.	To minimise the impacts of surface water quality, groundwater and flood risk.	Construction Contractor(s)
D-WR-013	Fuels and potentially hazardous construction materials would be stored in bunds that have areas with external cut-off drainage; fuel would be stored in double skinned tanks with 110% capacity.	To minimise the impacts of surface water quality, groundwater and flood risk.	Construction Contractor(s)
D-WR-014	Construction plant will be checked regularly for oil and fuel leaks, particularly when construction works	To minimise the impacts of surface water quality,	Construction Contractor(s)

Unique ES Reference	Action/Commitment/Mitigation (including Monitoring Requirements)	Objective	Organisation/Individual Delivering Measure
	are undertaken in or near the existing waterbodies.	groundwater and flood risk.	
D-WR-015	Waste fuels and other fluid contaminants will be collected in leak-proof containers prior to removal from the construction area to an approved recycling processing facility.	To minimise the impacts of surface water quality, groundwater and flood risk.	Construction Contractor(s)
D-WR-016	Oil absorbent booms will be made available at construction compounds and works areas and will be deployed as soon as possible in the event of a significant spillage.	To minimise the impacts of surface water quality, groundwater and flood risk.	Construction Contractor(s)
D-WR-018	Measures implemented to control spillage or pollution risks for site runoff or works within watercourses will be regularly inspected to ensure they are working effectively.	To minimise the impacts of surface water quality, groundwater and flood risk.	Construction Contractor(s)
D-WR-019	Concrete wash out will only take place at designated concrete washout areas.	To minimise the impacts of surface water quality, groundwater and flood risk.	Construction Contractor(s)
D-WR-020	Avoid pumping or similar processes of concrete over or adjacent to open water where possible and such works will be closely observed to ensure the swift shut off any pumps if a spillage occurs.	To minimise the impacts of surface water quality, groundwater and flood risk.	Construction Contractor(s)
D-WR-021	Surface water run-off and excavation dewatering will be captured and settled out prior to disposal where practicable. The Construction Contractor(s)will ensure that any contaminants are to be suitably removed prior to disposal.	To minimise the impacts of surface water quality, groundwater and flood risk.	Construction Contractor(s)
D-WR-022	Temporary cofferdams will be used to exclude work areas from the waterbodies, thus reducing the risk of increased sediment loads or hazardous substances entering the main water flow.	To minimise the impacts of surface water quality, groundwater and flood risk.	Construction Contractor(s)
D-WR-023	Where works are within 10m of watercourses, sediment barriers will be provided between earth works and the construction zone and the watercourse to prevent sediment from washing into the river. Silt management will be considered not	To minimise the impacts of surface water quality, groundwater and flood risk.	Construction Contractor(s)

Unique ES Reference	Action/Commitment/Mitigation (including Monitoring Requirements)	Objective	Organisation/Individual Delivering Measure
	only for areas adjacent to the watercourse, but also up the valley sides to minimise fine sediment input to the watercourse. Where practicable, there will be no works within 8m of watercourses. This extends to 16m for transitional waters and tidal defences.		
D-WR-024	Silt fences, silt traps, filter bunds, settlement basins and/or proprietary units' will be used to treat sediment laden water generated on-site before discharge.	To minimise the impacts of surface water quality, groundwater and flood risk.	Construction Contractor(s)
D-WR-025	Sewage generated from site welfare facilities will be disposed of appropriately. This may be by discharge to the foul sewer network or by collection in septic tank for disposal off-site.	To minimise the impacts of surface water quality, groundwater and flood risk.	Construction Contractor(s)
D-WR-026	Works will be undertaken in compliance with the relevant sections of BS6031:2009 Code of Practice for Earthworks (British Standards, 2009) with respect to protection of water quality and control of Site drainage including washings, dewatering, abstractions, and surface water.	To minimise the impacts of surface water quality, groundwater and flood risk.	Construction Contractor(s)
D-WR-029	The watercourse will be temporarily blocked and pumped over where practicable whilst the temporary crossing is constructed.	To minimise the impacts of surface water quality, groundwater and flood risk.	Construction Contractor(s)
D-WR-030	Where practicable, construction works will avoid works on watercourses during high flow events to reduce the risk of fine sediment release and minimise the increase to flood risk from dewatering / hydrostatic testing discharges. The Detailed Design construction programme will seek to target the construction activities involving watercourses for the drier summer months to reduce this risk, whilst taking into account the window for construction activities in relation to aquatic ecology and, in particular, the fish migratory season.	To minimise the impacts of surface water quality, groundwater and flood risk.	Construction Contractor(s)

Unique ES Reference	Action/Commitment/Mitigation (including Monitoring Requirements)	Objective	Organisation/Individual Delivering Measure
D-WR-033	All relevant consents will be sought from the Environment Agency and/or NRW for temporary discharges and in-stream works affecting Main Rivers. Consents will be sought from the LLFAs for works affecting ordinary watercourses.	To minimise the impacts of surface water quality, groundwater and flood risk.	The Applicant / Construction Contractor(s)
D-WR-037	Construction works will seek to minimise the loss of groundwater quantity from the water environment. Where practicable, water recycling practices, including re-use of hydrotest water, will be considered.	To minimise the impacts of surface water quality, groundwater and flood risk.	Construction Contractor(s)
D-WR-040	A Flood Action Plan will be prepared and implemented for all AGIs and BVSs. This will include a list of key stakeholders (e.g. site managers, Environment Agency, NRW) and actions to be taken for ongoing weather monitoring (e.g. subscription to flood warning service in areas at risk of fluvial/coastal flooding), in case of expected flooding and/or when flooding is happening. E.g. early closure of the premises, evacuation procedures, reinstatement after flooding. Level of detail of the Flood Action Plan to reflect level of flood risk in the area	Flood Risk Management	The Applicant
D-WR-041	A Flood Action Plan will be developed and implemented for all construction compounds The Flood Action Plan will contain procedures to minimise the risk to construction workers and the measures will be reflective of the flood risk of each area but will include as a minimum a requirement for: - Where applicable the Construction Contractor/s will sign up to flood warning service to obtain information related to the area of the DCO Proposed Development and will check online warnings regularly in areas at risk of fluvial/coastal flooding. - Construction works will avoid working in the floodplain, where practicable - Weather forecasts will be regularly	Flood Risk Management	Construction Contractor(s)

Unique ES Reference	Action/Commitment/Mitigation (including Monitoring Requirements)	Objective	Organisation/Individual Delivering Measure
	monitored so to avoid working in peak flows or when flooding is possible. If a flood warning is received from the Environment Agency or NRW, move all machinery and equipment out of any undefended floodplain. If this cannot be completed in a safe time, secure equipment to prevent it being washed away.		
D-WR-042	The Construction Contractor(s)will ensure that all construction staff are made aware and trained in the procedures of the Flood Action Plans	Flood Risk Management	The Applicant/Construction Contractor(s)

1.3 Risk Management

1.3.1 Requirements

Method statements associated with the relevant risk assessment, describe the way in which each hazardous operation is to take place. They will normally rely upon the generic health and safety procedures but will be modified to suit site conditions.

Risk Assessment will identify task specific Risk and the control measures

The production of a good quality method statement is essential and will assist management to establish time scales, resources, expertise and control, etc., that will be required. It also provides a clear understanding of the health and safety standards which will need to be adopted by the personnel who will carry out the operation.
Project Risk Assessment Register to be used for records.

1.4 Emergency Procedures

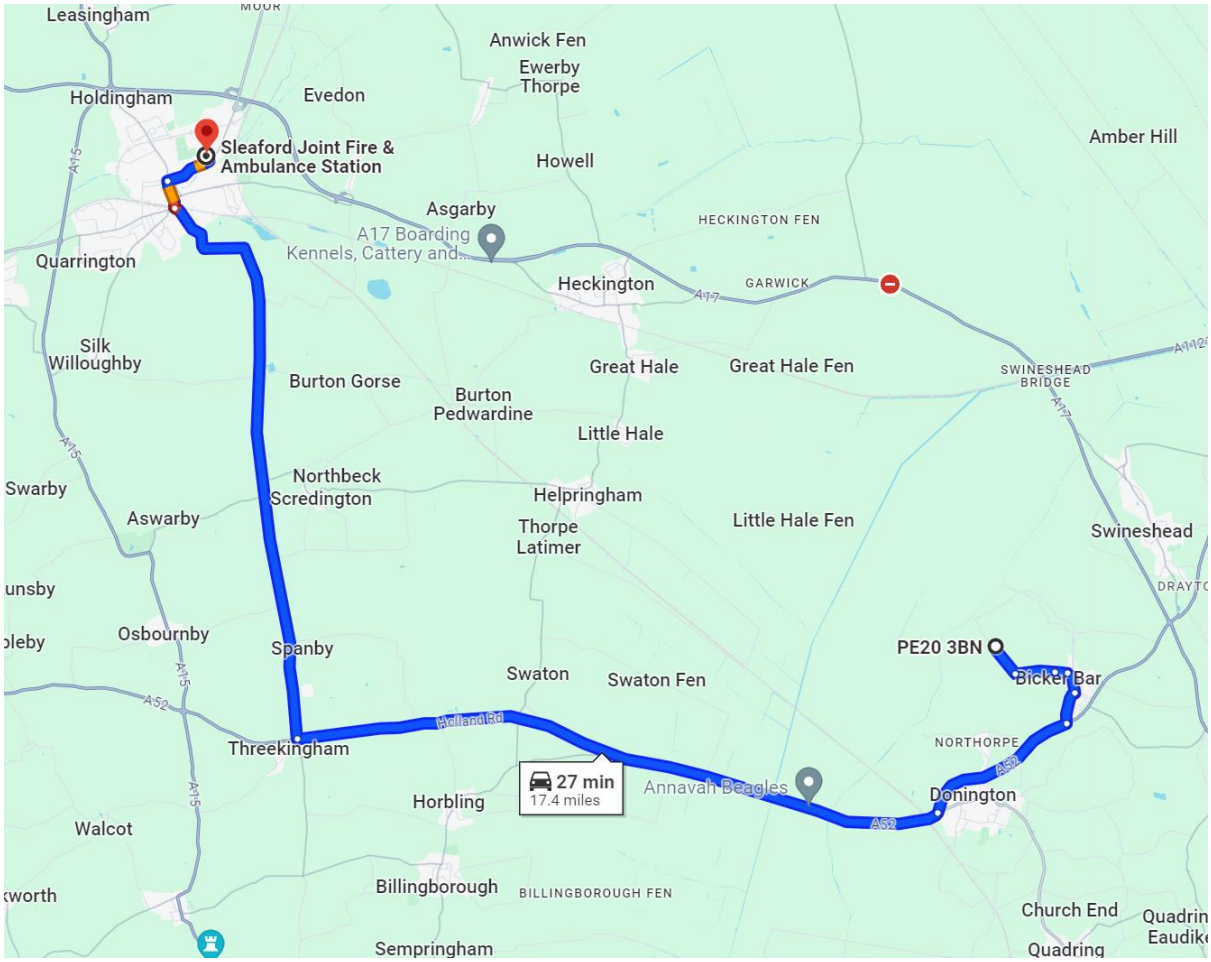
Fire Safety Plan
Firefighting stations to be located at:

- All welfare compounds
- A first aid kit burns kit and eye wash stations are located within the site welfare facility. A defibrator is located in AGR Site office located within the main welfare area.

Evacuation assembly points are identified by signage. (escape routes detailed on site notice boards)
AGR Renewables Limited Fire procedure to be adhered to.

Fire stations local to the site build, in the event of a fire call 999:

Sleaford Joint Fire & Ambulance Centre
Sleaford
NG34 7EE



Hot Work Permits

Permits are required for all hot works

Temporary fire escapes, signs, smoke detectors, alarms and extinguishers

All fire assembly areas are highlighted during the site induction. Furthermore, all firefighting equipment will be identified on the site plan and throughout the site via signage and noticeboards. Any changes to these locations will be noted on the site noticeboards.

First Aid Arrangements

Name of Trained First Aider/Appointed Person

The Site Manager will be First Aid trained (AGR first aider is also Tim Edmunds). In addition each contractor to provide appointed trained first aider whose identity will be made prior to commencement of operations.

For additional 1st Aider on site please refer to compound notice boards

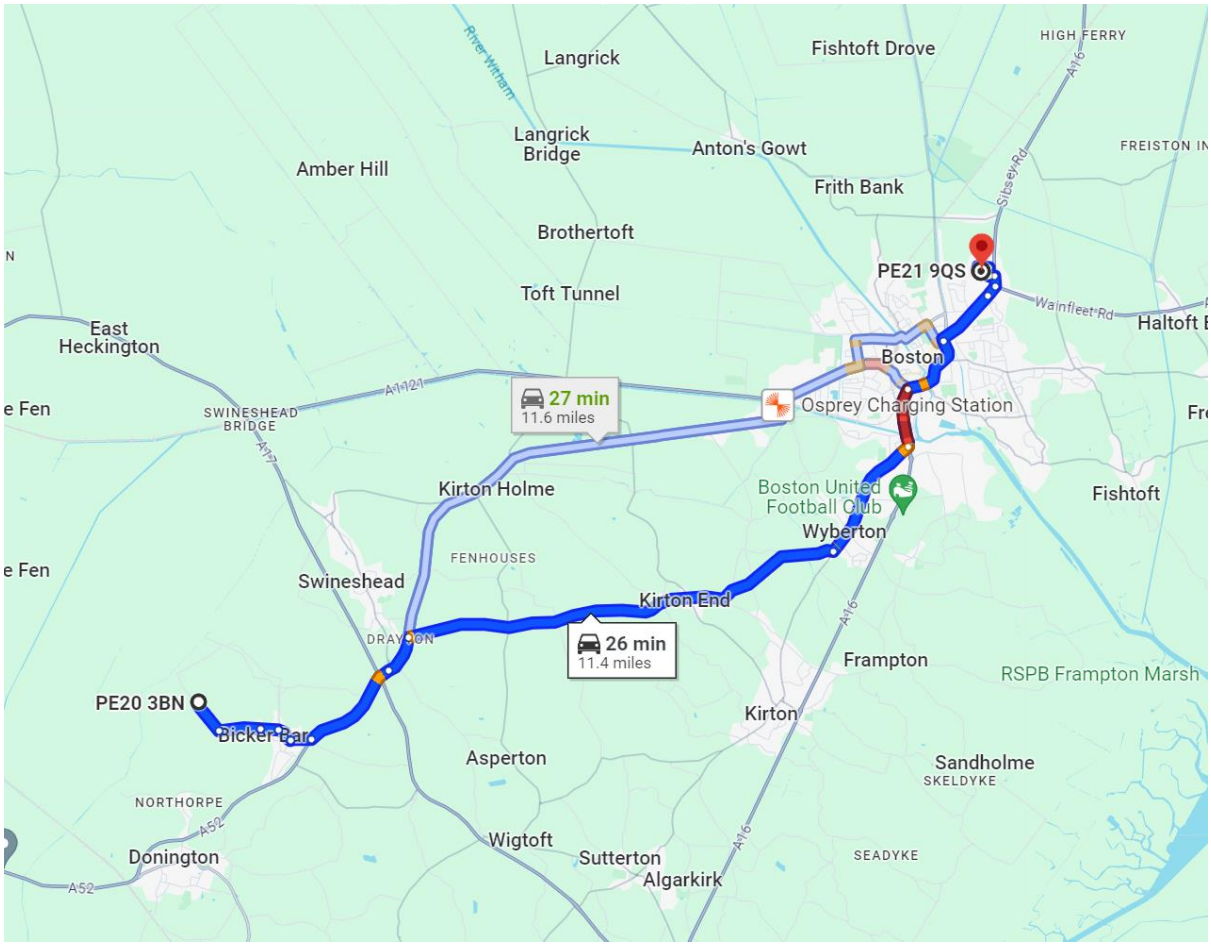
Location of First Aid Boxes – AGR Main Welfare and Energy Centre secondary welfare area.

Location of nearest AED (Automated External Defibrillator)

AGR Site office

Local Hospital Location

Pilgrim Accident and Emergency Department
Sibsey Road
Boston
Lincolnshire
PE21 9QS



Medical conditions and medications

Site manager must be notified of any medical conditions or allergies that may require emergency assistance.

Drug and alcohol

AGR Renewables Limited operate a zero-tolerance drug and alcohol policy in the event of suspected or confirmed substance and/ or alcohol abuse, the person will be removed from site immediately and will not be permitted to work on AGR Renewables Limited sites again.

Public Engagement

It will be the responsibility of appointed contractors to engage with stakeholders. During construction, the contact details for an on-site representative (an appointed site manager) will be made available. Contact details of the responsible person will be on display at the site entrance.

Any enquiries/complaints related to the site activities will be monitored and recorded on a record sheet. This is to ensure that all necessary mitigation measures can be put in place and any issues dealt with appropriately. The action taken will depend on the nature of the enquiry or complaint received.

Confined Space Working

Note: - **Confined space working must be authorised by site manager or projects manager prior to commencement confined training must be submitted along with an approved rescue plan. Permit will be required.**

1.5 Accidents, Damage Incidents and Near Miss Reporting

Accident and Damage Incident Reporting

All accidents, damage incidents however minor, shall be reported on an investigation report form. Details as prescribed within the report shall be completed in full.

All accidents, damage incidents must be reported to AGR Renewables Limited by using the following procedure:

Accident, damage and near miss report forms

AGR Accident or Damage Incident reporting form to be used for investigation and records.

AGR Near Miss Reporting Form to be used for investigation and records

Investigation

An employee or subcontractor who suffers personal injury or causes damage must report this to his/her supervisor and site management immediately and complete the reporting form. Near misses must also be reported on.
All reported accidents, damage and near misses will be investigated without delay by Site Management and reported to the AGR HSE Manager who will review accordingly.
Site Management will investigate all reports to establish the facts, implement remedial actions, understand root cause and ensure control measures are put in place to eliminate the risk or hazard. Toolbox talks may also be given to ensure everyone is aware of the possible safety changes.
The investigation reports shall be kept for three years, this information could be requested and used by the Health and Safety Executive, insurance companies and by the courts at times of litigation.

Accident, Damage and Near Miss Investigation Form to be used for investigation and records.

F2508 Reports to the Health and Safety Executive

In accordance with the Reporting of Injuries, Diseases & Dangerous Occurrences Regulations (RIDDOR), all prescribed injuries, diseases and dangerous occurrences are to be reported to the Health and Safety Executive on the form F2508 within the specified timeframe. The AGR Renewables Limited HSE Manager, as controller of premises (PC), will be responsible for reporting any such incidents to the HSE. If there is an accident or incident on site that falls within the scope of RIDDOR, a F2508 will be completed, it is therefore imperative the investigative report is completed in full.

All forms are to be completed online. The forms and guidance on filling out the forms can be found at: https://www.hse.gov.uk/forms/incident/index.htm

1.6 Control of Substances Hazardous to Health (COSHH)

Requirements

The Control of Substances Hazardous to Health Regulations (COSHH) 2002 place a duty on all employers to carry out a COSHH assessment on all substances within the place of work which are hazardous to health.

These assessments must be completed with details of: -

- The nature and form of the substance
- How the substance is to be used by the workforce
- Where on the site the substance is to be used?
- Working Exposure Limits
- PPE requirements
- Controls and precautions to be taken

- Emergency arrangements

COSHH Register

The **COSHH register form** is used to enter all the substances that are on site, whether in use or in the stores. It gives a quick reference to the substances that are on site and if an assessment has been completed for the operation it is intended for. This register will also be given to the emergency services in the event of an emergency. Each contractor is responsible for compiling their own register, which should be held within their own site office.

Monitoring

Any substances that are considered a potential harm to health will be monitored and exposures limited. Any person who encounters such substances will be subjected to the appropriate medical monitoring and consultation.

COSHH Assessment

COSHH Assessment Form to be used for records.

Manual Handling

1.7 Requirements

The Manual Handling Operations Regulations 1992 require employers to identify all manual handling tasks and to reduce the health and safety risk as far as is reasonably practicable.

The employer should then attempt to: -

- Replace the manual handling task with a mechanical system, or if this is not possible.
- Provide some mechanical aids to the manual handling task, and;
- To assess the remaining manual handling risks so that these can be controlled by suitable safe systems of work.

Manual Handling Assessment

1.8 Noise

Requirements

The Control of Noise at Work Regulations 2005, place a duty on the employer not to expose their employees or other persons employed within their works to excessive noise levels.

(1) The lower exposure action values are—

(a) a daily or weekly personal noise exposure of 80 dB (A-weighted); and
(b) a peak sound pressure of 135 dB (C-weighted).

(2) The upper exposure action values are—

(a) a daily or weekly personal noise exposure of 85 dB (A-weighted); and
(b) a peak sound pressure of 137 dB (C-weighted).

(3) The exposure limit values are—
(a) a daily or weekly personal noise exposure of 87 dB (A-weighted); and
(b) a peak sound pressure of 140 dB (C-weighted).

To this end action.
Notify all of the noise level, make available suitable PPE and give adequate information, instruction and training in its use.

Reduce the noise at source as far as is reasonable by engineering controls, noise barriers etc and is still above 90 dB(A), ensure the use of the hearing protection that has been provided.

Rule of Thumb Noise Assessment

The rule of thumb noise assessment can be completed by any member of the site staff as a rough guide as to when a specific assessment should be completed.
If it is necessary to shout to be heard at a distance of 1 metre, this indicates that the noise level is 85 dBA or over and a specific assessment should be completed.

Rule of Thumb Assessment Form

Area/ Activity	Action	Specific Assessment Requested	Date of Assessment

SIGNED: **DATE:**

Specific Noise Assessment

A specific noise assessment can only be completed by a competent person. This type of assessment will be completed noise metering and where necessary, octave band analyser.
Anticipated environmental noise levels can be easily calculated by obtaining the noise levels of all the plant and equipment which will be in use on the site and the distance to the nearest neighbours.

1.9 Site Inspections

Statutory Inspections

The inspection report forms shown in this section relate to the requirements of: -

- Regulation 29 schedules 7 and 8 of the Construction (Health, Safety and Welfare) Regulations 1996
- Regulation 9 of the Lifting Operations and Lifting Equipment Regulations 1998

Details of inspection criteria are shown on each form and followed accordingly.

Equipment inspection form

Health, Safety and Environment Manager Inspections Reports

The site will be inspected by the AGR Renewables Limited HSE Manager at intervals. On completion of the inspection a written report will be submitted to site and will specify where action is required. These reports should be kept within this Project Health and Safety Plan for future reference. They may also be made available to the client's health, safety and environment representatives and to the Health and Safety Executive.

These reports also demonstrate that the monitoring of the effectiveness of the Project Health and Safety Plan and associated safety management systems is being carried out.

Daily Visitors Record

The visitors record register must in be in place and enforced. No one shall be allowed entry onto site without signing in the daily visitors record register first. Persons will also sign out when leaving site. All visitors will be escorted at all times.

Certificates

Lifting Appliances and Lifting Equipment

The Lifting Appliances and Lifting Equipment Regulations 1998 establishes a regime for inspection and thorough examination of lifting equipment.
All items of lifting equipment and lifting accessories that are to be used on site shall be accompanied all relevant test certificates, thorough examination certificates and inspection reports.

A copy of all such paperwork will be obtained and examined to ensure that they are in date and relate to the equipment in question. All reports will be retained in this section of the Project Health and Safety Plan.

Plant Inspection Reports

Regulations 6 of the Provision and Use of Work Equipment Regulations 1998 require that any work equipment brought onto site is accompanied by a report of the last inspection.
This requirement relates to work equipment:

- Which depends upon installations, conditions; and
- For which exposure to conditions which could cause deterioration liable to result in a dangerous situation.

Training Requirements

Under all relevant Health and Safety Legislation, the requirement for training is of paramount importance.

Plant Operators

All plant operators must be adequately trained and competent for the item of plant they are going to operate on site, proof of such competence will be requested.
Training can be completed by the CITB on the CTA system, but other training providers can be used.
Always ensure that the CTA card is in date and is valid for the classification of plant that they will be operating on the site. It should also be considered to ensure that the CTA card is not a forgery, contacting the CTA by phone can soon identify this.

CTA cards are not a certificate of competence and all operators of plant should be assessed by the site.

Operative

All personnel on site should receive adequate training to comply with the Construction (Health, Safety and Welfare) Regulations 1996, Regulation 28 and other specific regulations, i.e., PUWER 98, etc.

Full details of this training should also be kept.

This document will be retained on site within the site office as part of the site H&S file. The site induction will include additional information based on the site-specific risks identified in AGR Renewables Limited Procedures and Rules.