

Health and Safety Plan Amagerværket

Site:

Overhaul 2019

Client: HOFOR A/S
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0. Project

The overhauls at Amagerværket are carried out according to a 15-year overhaul plan, which has been coordinated with planned activities requiring long-term outage.

Unit 1 overhaul:

The Unit 1 overhaul is a part of the 15-year overhaul plan, and consists of regular planned overhaul tasks.

The overhaul of unit 1 will take place week 23-28.

The overhauls consist of a number of minor routine maintenance tasks:

The routine maintenance tasks refer to:

- Valves
- Pumps
- Frequency converters
- Motors
- Suction devices
- Blowers
- Inspection of boilers
- Ash conveyor
- Cleaning
- Etc.

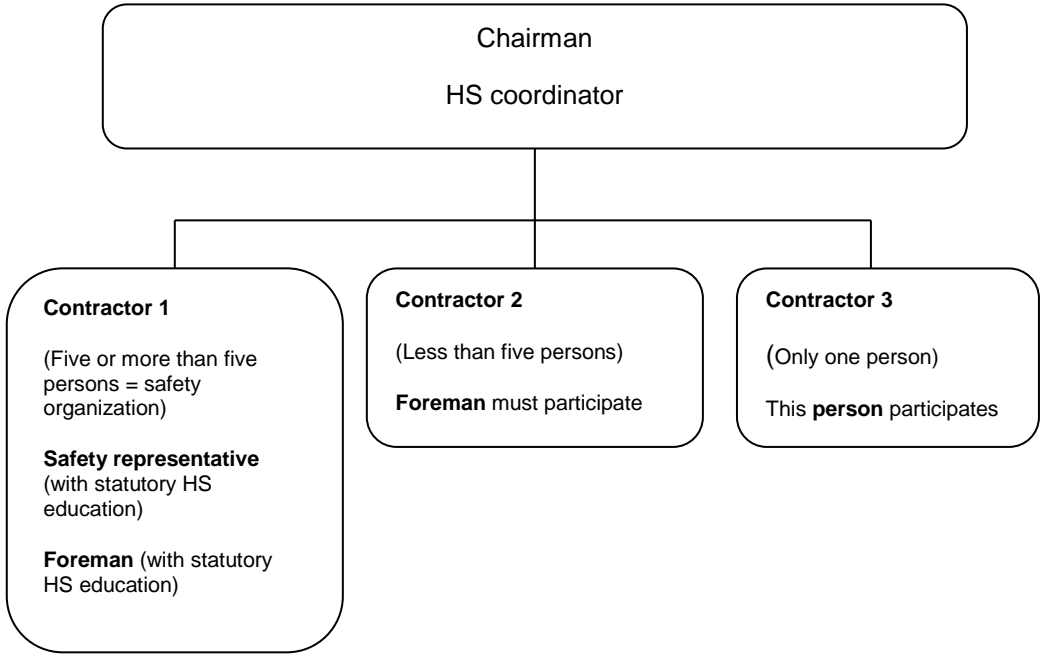
During the overhaul period there will be coordination with other tasks at the power plant such as a number of investment projects, to the extent of clashes and overlaps with common areas of the overhaul tasks. A time schedule for overhaul tasks is elaborated as well as for other assignments that clashes or overlap common areas of the overhauls.

Both the contracting supplier (in the following supplier") and all the suppliers' possible subcontractors in the chain must comply with all health and safety requirements.

1. General description

Content of the HS plan	Overhaul at Amagerværket
Purpose	<p>The purpose of the HS PLAN is to ensure a safe working environment for everyone at the site, and functions as a management tool for the common health and safety work at the construction site.</p> <p>The HS PLAN applies to the whole work area including the site hut area, storage areas and common areas (from here on referred to as the construction site) The plan includes all parties and must be easily accessible, which means that the guidelines as well as the tasks and responsibilities of each party are known by all the parties involved. The plan must at all times be accessible on the construction site.</p>
The responsibility of HOFOR	<p>The Client's HS coordinator Michael Grausen is responsible for the elaboration of the HS plan and the HS coordinator Michael Grausen is responsible for updating the HS plan.</p> <p>HS coordinator is responsible for coordination of common areas in regards to work environment.</p> <p>Notification of the construction site to the Danish Working Environment Authority is done by the HS coordinator</p>
HOFOR HS policy	<p>General:</p> <ul style="list-style-type: none"> • We comply with legislation applicable to environmental and occupational health and safety, drinking water and wastewater at all times. • At HOFOR, we consider environment, occupational health and safety, drinking water safety and wastewater safety an integrated part of our management. <p>Health and Safety:</p> <ul style="list-style-type: none"> • HOFOR give high priority to occupational health and safety in the workplace. Occupational health and safety are integrated in the business of HOFOR. • HOFOR as a pioneering developer, will ensure that the services provided by contractors do not pose a risk to health or safety
HS goals for the project	<p>HS goals:</p> <ul style="list-style-type: none"> • Zero work accidents • Zero near miss incidents regarding order and tidiness – at a level that can lead to extensive, severe and prolonged damages. • Zero near miss incidents on insufficient or inadequate planning of the job - at a level that can lead to extensive, severe and prolonged damage. • Maximum three near miss incidents given poor layout of the workplace, regardless of consequence.
HS coordinator responsibility	<p>HS coordinator:</p> <p>HOFOR / Michael Grausen, micg@hofor.dk, phone +45 2795 4115</p> <ul style="list-style-type: none"> • Before work at the site begins, the HS coordinator will arrange a kick-off meeting with the contractors that have entered agreement on employment at the site. Health and safety conditions related to the construction site will be reviewed. • HS coordinator will update the HS plan continuously during construction. • HS coordinator will coordinate the working environment and safety precautions in common areas. • HS coordinator will document self-monitoring by the use of safety inspections. • HS coordinator ensures information and communication between appropriate parties in regards to working environment issues.

<p>Contractor responsibility</p>	<p>Contractor:</p> <ul style="list-style-type: none"> • The contractor must ensure that his employees (including subcontractors and hired staffs) has the necessary knowledge and information in relation to the tasks they are going to perform, including having received adequate instruction on specific local conditions. See VISIT, HS Plan, Emergency response plan, decisions and agreements on coordinating safety meetings etc. • Furthermore it is a requirement that, at a minimum, employees are made aware of and have access to the instructions shown in the Sector Working Environment Committee, building and construction. "<i>Manual – building and construction working environment</i>" (www.haandbogen.info), which is relevant to their assignments. This also applies to foreign labor. The book can be downloaded in English, Italian, Portuguese, German and Polish, as well as in Danish and in addition as App for iOS and Android. • It is the responsibility of the individual contractor to establish, supervise and maintain the safety measures he has been imposed. • If the contractor engages new subcontractors, the HS coordinator must be informed in writing with information on company name, contact person and duration of work. • Foreign companies working in Denmark (stationed employees and self-employed) must be registered with the RUT register (the Register of Foreign Service Providers) before start-up at the construction site. The official registration with RUT is made via their homepage (Virk.dk).A copy of the notification must be sent to the HS coordinator. • Companies using foreign labour must be aware that foreign workers are not allowed to work in Denmark unless their qualifications or/and education have been recognized by the Working Environment Authority. • Each employee must every day actively respond to the points in the checklist "Stop & Think!" (A6 pad). This applies for startup of the daily tasks as well as for new tasks. • If the individual contractor fails to fulfill its safety obligations, HOFOR can without notifying the contractor in advance, re-establish safety measures on the contractor's expenses. • The contractor and any subcontractors in the chain of provisions must comply with all safety requirements. It is the responsibility of the contractor to ensure and to demonstrate that the contractor and its potential subcontractors comply with the requirements. E.g. in relation to participation in the safety meetings, the contractor is responsible for its subcontractors participating in the safety meetings with a subcontractor representative and the members of the subcontractor's occupational health and safety organization.
<p>The construction site HS organization</p>	<p>If the contractor have 5 or more than 5 employees engaged on the site for more than 14 days, the contractor must form a HS organization, consisting of one HS representative and one supervisor. The HS representative is elected by and amongst the employees on site. Supervisor and HS representative must have completed the statutory HS education (§34).</p> <p>In case of changes and additions, the contractor must notify the HS coordinator immediately.</p>
<p>Coordinating safety meetings</p>	<p>During periods of overhaul, safety meetings are held once a week.</p> <p>Mandatory coordinating safety meetings are held in Danish and minutes are issued in Danish.</p> <p>All contractors must participate in the coordinating safety meetings. If a contractor has five or more than five employees on site, the contractor's safety organization will participate.</p>

	<div style="text-align: center;">  <pre> graph TD A[Chairman HS coordinator] --- B[Contractor 1 (Five or more than five persons = safety organization) Safety representative (with statutory HS education) Foreman (with statutory HS education)] A --- C[Contractor 2 (Less than five persons) Foreman must participate] A --- D[Contractor 3 (Only one person) This person participates] </pre> </div> <p>The contractor is responsible for ensuring participation of the subcontractors by a representative of the subcontractor, as well as the representatives of the on-site engaged members of the subcontractors HS organization.</p>
<p>Safety inspections</p>	<p>The clients HS coordinator will carry out safety inspection. The contractors or the contractor's representative as well as the HS organization at the site must participate in the safety inspection. The contractor must expect to participate in all safety inspection together with his HS representative on the site. Any subcontractor, regardless of the place in the provision chain, must expect to take turns in the safety inspection with one HS representative from the site. If a HS representative is not statutory, an employee representative will participate.</p> <p>The contractor is responsible for communicating results and decisions from the safety inspection to his own employees on the site. The communications must be made in a language that the employees can understand.</p>
<p>VISIT</p>	<p>The contractors' employees must complete an online video-based safety instruction and test before access to Amagerværket can be granted.</p> <p>The test must be completed no later than one week before the access to Amagerværket is required.</p> <p>Access to Amagerværket cannot be granted unless the test has been completed</p> <p>When a task is assigned to a contractor at Amagerværket, the contractor must make a profile on each staff member which are to perform the task, at HOFOR A/S' website.</p> <p>http://visit.hofor.dk/login/index.php?lang=en)</p> <p>When an employee has been recorded in the system, Amagerværket will send an e-mail with a unique login to the website, to the employees in question.</p> <p>The test is personal and via the access the employees must watch the instruction video and complete the associated test.</p> <p>The estimated time for this is approximately 20-40 minutes per employee.</p>

	<p>VISIT-meeting</p> <p>VISIT meeting is a short version of VISIT and is only intended for the meeting activities at Amagerværket.</p>
Access cards	<p>The contractor's employees will receive access cards to Amagerværket at the gate.</p> <p>The access card is personal and is used as identification. The access card must be carried visible at all times.</p> <p>All access to Amagerværket is via existing gates.</p> <p>The access card must be used at the card terminals for recording entry to and exit. Recorded presence will be used in case of evacuation from Amagerværket's area. For this reason, it is important that all employees are recorded.</p> <p>The contractor will be charged DKK 500 per lost access card.</p>
Safety leaflet	<p>It is the responsibility of the contractor to ensure that all his employees have received, read and understood the leaflet "Important information on environmental and safety aspects at Amagerværket".</p>
Kick-off meeting	<p>Before the work on the site begins the client/ HS Coordinator will hold a kick-off meeting with the contractors.</p> <p>The contractor is responsible for ensuring the participation of the following parties: The contractor or his representative, and members of the HS organization at the site, or representatives on behalf of the employees from companies that do not have a HS organization. The contractor is responsible for ensuring that any subcontractors participate in the kick-off meeting with corresponding parties.</p> <p>The kick-off meeting will be held in Danish. During the kick-off meeting the HS coordinator will go through the safety standard, project specific topics and the clients HS policy/ goals.</p> <p>If the contractor hires new subcontractors, the HS coordinator must be notified no later than 2 weeks before commencing activities on the site. The HS coordinator will then arrange for a kick-off meeting with the new subcontractor.</p> <p>The contractor must forward a WPA - 2 weeks prior to the kick-off meeting to the HS coordinator.</p>

2. HOFORs requirements

Working Language	<p>The working language at the site is Danish or English.</p> <p>If an contractor employs employees who do not speak Danish or English, it is the contractor's responsibility to ensure:</p> <ul style="list-style-type: none"> • The contractor must ensure that an interpreter is present on the site and is able to provide linguistic support without delays whenever the contractor has employees present on site that does not understand the working language. • The interpreter must be able to communicate technical and safety terms. The interpreter must be able to read and speak the working language as well as to be able to read and speak the language of the contractors' employees.
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	<ul style="list-style-type: none"> The contractor is responsible for communication of minutes from coordinating safety meeting to own employees. Communications must be made in a language that the employee can understand.
Risk assessment	<p>Before the start of special hazardous work, cf. Annex 1 of Order 1516 on construction work, the contractor must prepare a risk assessment of the individual activities the contractor has on the construction site.</p> <p>The contractor must at least 2 weeks before special hazardous work begins, inform HOFOR's HS coordinator and present the risk assessment.</p> <p>Risk assessments must be available on site.</p>
Safety instructions WPA (Work Place Assessment)	<p>The individual contractor prepares safety instructions for areas of special hazardous work. The safety instructions must be submitted to the HS coordinator no later than 2 weeks before the work is commenced.</p> <p>The contractor must within 2 weeks before start up, forward the WPA, workplace assessment, to the HS coordinator for review and comment.</p> <p>The contractor must ensure that the provided WPA's completely covers the planned work and have the local conditions in consideration. The contractor must make adjustments in their general WPA's to the necessary extent, and supplement with additional specific work procedures and safety instructions.</p> <p>Safety instructions and WPA's must be available on site.</p>
Emergency response plan	<p>The contractor prepares an emergency response plan based on a risk assessment of the contractor's activities. All employees must have a thorough instruction in the emergency plan before the work is commenced.</p>
Education and instruction	<p>The contractor must ensure that his employees (including subcontractors and hired persons) have the necessary knowledge and information in relation to the tasks they are to perform, including that they have received the required instruction on specific local conditions, cf. VISIT, HS plan, Stop and & think!, decisions and appointments at coordinating safety meetings etc.</p> <p>Relevant training certificates must be presented on request.</p>
Reporting an accident	<p>In case of an accident, the contractor must immediately inform the HS coordinator.</p> <p>If the accident is reported to the Labor Inspectorate, a copy of the notification is sent to the HS coordinator.</p> <p>If an occupational accident occurs, the contractor must conduct an incident / root cause analysis. A copy of the cause analysis must will be forwarded to the HS coordinator.</p> <p>In addition Amagerværket conducts root cause analyses by using blackboard meetings.</p> <p>In case of an accident or severe near-miss incident, the contractors' employees and supervisor must participate in the HOFOR root cause analysis at the blackboard meeting.</p> <p>All incidents will be reviewed on the forthcoming coordinating safety meeting.</p>

<p>Reporting a near-miss incident</p>	<p>In case of severe near-miss incidents, the contractor must immediately inform the HS coordinator.</p> <p>All incidents will be reviewed on the forthcoming coordinating safety meeting.</p>
<p>Sanctions Non-compliance with health and safety rules</p>	<p>Violation of the Health and safety rules applicable to HOFOR may result in the following sanctions against companies or individuals:</p> <ul style="list-style-type: none"> • Stop the work • Verbal or written warnings • Immediate expulsion <p>See <i>HSE conditions for Amagerværket</i> for more details.</p> <p>HOFOR's HS coordinator reserves the right to rectify or initiate work related to common safety precautions at the contractor's expense.</p>
<p>Alcohol and drugs</p>	<p>It is forbidden to bring and consume alcoholic drinks and/or use of any drugs on the premises including the site huts.</p> <p>Persons who are drunk or intoxicated on the premises will be expelled from Amagerværket immediately</p>
<p>Smoking</p>	<p>Smoking is prohibited everywhere at Amagerværket with the exception of selected smoking areas.</p> <p>Rules for e-cigarettes are identical to regular cigarettes.</p> <p>In these smoking areas there will be a green ashtray and smoking within a range of two meters from the ashtrays will be allowed.</p>
<p>PPE – Personnel Protection Equipment</p>	<p>At Amagerværket, it is required to wear safety helmet, safety glasses, long trousers and safety footwear. Furthermore, it is required to use high visibility clothing Class 2 (DS / EN ISO 20471) or higher on all outdoor areas with motorized traffic.</p> <p>Exceptions:</p> <ul style="list-style-type: none"> • Between the pavilions and the administration building when the road is crossed at the pedestrian crossing. • You are allowed to walk on the blue access ways without PPE, but only to and from the changing room - when you meet in, and when you go home from work. In all other cases you have to use all required PPE when walking on the blue access ways. <p>Amagerværket does not allow the use of filtering dust masks known as "coffee filter" when carrying out tasks. Only for short-term inspections.</p> <p>See the document HSE conditions at Amagerværket for further information</p> <p>In addition, some tasks may require specialized personal protective equipment, for instance when working in ATEX zones or when handling chemicals.</p> <p>It is the responsibility of the contractor to provide his employees with all necessary protective equipment, and to ensure the used of the equipment accordingly.</p>

3. Emergency

<p>Emergency response plan</p>	<p>The contractor prepares an emergency response plan based on a risk assessment of the contractor's activities. Before work is commenced, all employees must have a thorough instruction in the emergency plan.</p> <p>Based on the risk assessment, the emergency response plan may include:</p> <ul style="list-style-type: none"> • Procedure for fire • Procedure for rescue at heights • Procedure for injury • Procedure for evacuating employees from restricted access areas • Overview and location of fire extinguishing equipment, first aid and defibrillator <p>The contractor is responsible for updating the emergency response plan.</p>
<p>Alarm plan / Amagerværket's emergency response plan and evacuation plan</p>	<p>At all hazardous work areas, the contractor must set up information on how to call for help in an alarm situation. Amagerværket's emergency response plan and evacuation plan must be incorporated into the contractors alarm plan and must contain:</p> <ul style="list-style-type: none"> • Emergency telephone number to Amagerværket • Emergency telephone number (ambulance) • Address of Amagerværket for correct access • Address of nearest hospital (emergency room) • Information on the nearest heart defibrillator on site • The point of assembly during evacuation • Name and telephone number of HOFOR HS coordinator
<p>Access from public road to construction site</p>	<p>The access road must allow an ambulance to pass freely.</p> <p>The access road for ambulance traffic must be clearly marked, so no employee is in doubt that the passage must be free of objects.</p>
<p>Escape routes and point of assembly</p>	<p>Escape routes and point of assembly must be clearly marked on the site plan.</p>
<p>First-aid</p>	<p>The contractor is responsible for well-stocked first aid boxes on the site and continuously maintaining the first aid boxes.</p> <p>The contractor is responsible for suitable fire extinguishing equipment at the workplace at all times.</p> <p>Amagerværket have first aid equipment located in the control room and in the plant. Signs indicate the location of the first-aid equipment. Heart defibrillators are also located in the control room, next to the gate and at other locations as indicated by the construction site plan.</p>

4. Existing safety conditions

Existing buildings/ constructions etc.	HOFOR informs the contractor if there is any knowledge of specific contamination in the existing buildings etc.
Contaminated soil	HOFOR informs the contractor if there is any knowledge of specific contamination in the soil. The contractor who carries out work in contaminated soil is responsible for the proper handling of the soil.
Wires, cables in the ground	Excavation without a permit from Amagerværket is not allowed.
Active units and installations	Initially, all units and installations are to be considered active, as to carry current and pressure etc. No work is to be performed on units and installations unless Amagerværket has secured these, and a work permit has been issued.
Active power plant units	Power plant units in connecting buildings will be active. No one is allowed to walk in the power plant or outside own work area without an agreement/ permit from the contact person.
ATEX zones	There are several ATEX zones on the Amagerværket. Zones marked with EX are ATEX zones. An instruction course given by Amagerværket is required before working in an ATEX zone. A specific work permit is required for working in ATEX zones. A specific hot works permit is required for working in ATEX zones. Smoking, mobile phones etc. are prohibited and precautions must be taken to avoid sparks etc. ATEX approved equipment is required. Antistatic works wear, or as a minimum an antistatic suit, is required.
Wood pellet storage	Risk of fire and dust explosions near the storage buildings and transport facilities for wood pellets. Smoking is prohibited everywhere on Amagerværket except in selected smoking areas. The use of open fire and carrying out hot work must not be done without a hot work permission on Amagerværket.
Traffic	There is a lot of heavy traffic on Amagerværket. You must show attention when moving around the premises. It is mandatory to wear visibility clothing that meets Class 2 (DS / EN ISO 20471) on all outdoor areas where there is motorized traffic. Mobile phones must not be used when riding a bike or driving a car. In relations to traffic the working areas must be barred off / clearly marked with cones and chains.

Strong winds	<p>Significant to strong wind effects are to be expected on the premises due to wind tunneling effects between the buildings.</p> <p>Considerable wind influences must be taken into account in connection with materials, craning, crane mounting/dismounting, scaffolding, tents, covers, platforms.</p>
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5. The responsibility of the common areas of the construction site

The HSE conditions at Amagerværket must be complied with at any time.

5.1 General risks and measures:

Area	Responsible	Description of measures	Period
Access roads and escape routes	Contractors	Establish, maintain and regularly supervise access roads and escape routes at the construction site. Keep access roads and escape routes clear and solid regardless of weather conditions.	Overhaul
Guardrails, covering and closing off work areas	Contractors	Establish and maintain guardrails (top, mid rails and toe boards) on site, at all free edges above 2 meters that imply a risk of falling, or at other areas where injuries might occur. Guardrails can be replaced by a strong boundary mark /barrier 2 meters from the edge. Red/white plastic tape is not permitted. Work areas must be closed off with cones and chains and signposted. Storage of materials must be marked with cones and chains and signposted. Safety measures that are removed temporarily are to be re-established in a secure way as soon as possible, and always before leaving the work area.	Overhaul
Waste and cleaning	Contractors	Continuous cleanup and cleaning (including removal of wastes) of all work areas, access routes and storage areas. If the contractors do not actively take part in housekeeping the site, Amagerværket's supervisors reserves the right to initiate clearing by external parties at the contractor's expense Final cleaning before handing over the work area to the next contractor.	Overhaul
Site power supply	HOFOR	Site power supply is assigned by Amagerværket	Overhaul
Welfare measures	Contractors	Establish and maintain crew site huts with showers, changing area, toilet and lunch area. The contractor is also responsible for regular cleaning of the facilities.	Overhaul

		<p>During the overhaul, Amagerværket establish and maintains crew site huts for the contractors.</p> <p>Contractors are to report in due time how many employees are coming to the site.</p>	
Lighting	<p>HOFOR</p> <p>Contractors</p>	<p>Establish and maintain sufficient orientation light (min. 25 lux) on all common areas.</p> <p>Establishing sufficient work light for you own use in work areas.</p> <p>Cables and hoses must be hung up. Wires for hand tools must be placed appropriately so that they do not pose a risk of injury or damage.</p>	Overhaul
Winter measures	-	<p>Clearing of snow and deicing on common access roads (driving and walking)</p> <p>Clearing of snow and deicing on own access roads, work areas, storage area and crew sit huts area.</p>	-
Material storage/ container location	Contractors	<p>Storage of materials in storage places must be safe and only in accordance with the contact Person. Materials are not to be damaged during storage.</p> <p>The contact person provides space for prefabrication, workshop containers and contractor tents.</p>	Overhaul
Safety clothing	Contractors	<p>According to the applicable rules at Amagerværket it is required to wear safety helmet, safety glasses, long trousers, visibility clothing and safety footwear.</p> <p>As for other protective equipment, it rests with the individual contractor to check that any possible requirements regarding personal protective equipment are observed and complied with.</p>	Overhaul
Emergency response and first aid.	Contractors	<p>Responsible for preparing and maintaining the job specific emergency response plan cf. section 3 in the HS Plan and ensure well-stocked first aid boxes, etc. on site.</p>	Overhaul
Cranes, truck and heavy machinery	Contractors	<p>Trucks must be equipped with a reversing alarm. Otherwise, there must be a flagman.</p> <p>Personal certificate must be presented for the operation of machines, where this is mandatory.</p>	Overhaul
Ladders and scaffolds	Contractors	<p>Work from ladders are, as a basic rule, not permitted. Wherever possible, the work shall be planned using scaffolding or lift.</p> <p>Common scaffolding is erected and maintained by the contractor's scaffolding supplier.</p> <p>If the scaffolding is not erected in standard position according to the specific type of scaffold design, the HS</p>	Overhaul

		Coordinator may require a design calculation containing a specification of the planned erection, including a strength and stability calculation.	
Noise	Contractors	No person must be exposed to unnecessary noise. In case of noise exceeding 85 dB (A), hearing protection must be used.	Overhaul
Dust, fumes and aerosols	Contractors	Workers must be protected from dust, aerosols and fume in compliance with Health and Safety regulations Dust problems must be mitigated to the widest extent possible at the source. All drilling, cutting and grinding tools used in the building must be equipped with dust extraction. Floor dust must be removed regularly by vacuum cleaning. Use of rubber scraper and shovel for rough waste. Dry sweeping is not allowed.	Overhaul
Working time	Contractors	Comply with the working time rules at all times.	Overhaul
Parking	Contractors	Private cars and workshop cars are limited to parking area outside the plant. You can obtain a parking permit at the gate. Reverse parking is mandatory. A permit for workshop cars at Amagerværket takes place through the contact person.	Overhaul
Instructions for use of chemical substances and materials as well as machinery and tools + instruction signs	Contractors	Workplace instructions (WPI) must be available in Danish, for all hazard-labelled products, present on the construction site. The individual contractor is responsible for instructing his own employees. WPI's must be presented at the coordinating safety meetings for products that may cause inconvenience to other contractors at the site. User instructions in Danish must be available for machinery, tools and technical appliances present on the site. The individual contractor is responsible for instructing his own employees. For epoxy work and other similar works, barriers and instruction signs must be established according to the applicable rules. See HSE conditions.	Overhaul
Pressure gas cylinder	Contractors	Gas cylinders must be stored at the assigned place after work. Gas cylinders must be stored in standing position to maintain safety valve function.	Overhaul

		<p>Gas cylinders must be secured against tilting and collision.</p> <p>Storage area of gas cylinders must be labelled: "Pressure cylinders to be removed in case of fire".</p> <p>Acetylene cylinders must be fitted with flame arrestor at the reduction valve.</p> <p>Flammable and fire-intensifying gases must not be stored together.</p>	
Hot work	Contractors	<p>When performing hot work, the guidelines from DBI (Danish Fire Technical Institute) guidance 10 part 1-3 must be followed. Employees who carry out hot work or work as a fire guard, must hold a valid certificate documenting the received training. The certificate must be presented to the contact person.</p>	Overhaul

5.2 Hazardous activities

Area	Responsible	Description of action	Time
Work involving a particularly severe risk of being buried, sinking or falling down due to the type of activities or the operational processes used or due to the surroundings of the construction or the construction site.	Contractor, name?	Where there is a risk of falling from heights, a proper barrier must be established in accordance with applicable rules.	Overhaul
Work that exposes workers to chemical or biological substances and materials which either pose a particular hazard to the safety and health of workers, or where there is a risk of emission or imposes legal requirements for health control	Contractor, name?	The substitution principle must always be followed so that the least harmful substances and materials are used. Material Safety Data Sheets and instructions for use must be available for the hazardous products used.	Overhaul
Work exposing workers to ionizing radiation, which necessitate the designation of controlled and monitored areas, as defined in Article 20 of Council Directive 80/836 / Euratom.	Contractor, name?	Contact responsible for radioactive sources on the Amagerværket.	Overhaul
Work near high voltage wires	Contractor, name?	Section 5A § 7 of the power current regulation must be followed. The safety distance is increased to 1 m by cables over 10 kV. Amagerværket appoints a team leader in connection with the work permit.	Overhaul
Work that poses a danger of drowning	Contractor, name?	In the case of work where there is a risk of drowning, the contractor prepares a separate risk assessment.	Overhaul
Work in wells, tunnels and other places with limited access and work where there furthermore	Contractor, name?	When working in wells, tunnels, tanks, pipes and other confined spaces etc., the contractor prepares a separate risk assessment.	Overhaul

is a risk of suffocation. (confined space)		Work must be planned and measures such as venting, oxygen meters and watchman must be agreed with the contact person.	
Working under water for which diving equipment is needed.	Contractor, name?	Only persons who have undergone a professional diver education must carry out diving work.	Overhaul
Work in a pressure chamber	-	Work in pressure chambers must be planned and carried out in a fully safe manner.	-
Work with explosives	Contractor, name?	Work with explosives may only be carried out by persons trained in the field. Ensure the boiler building is closed off and signal is given before blasting.	Overhaul
Mounting and dismounting of heavy prefabricated components	Contractor, name?	When working with heavy unit handling, the contractor prepares a separate risk assessment and a lifting plan.	Overhaul
Areas of risks			
Welding	Contractor, name?	Welding fumes must be effectively removed by local exhaust ventilation with discard to the open air. Local rules on the Amagerværket must be observed where autoflow respiratory protective equipment and local exhaust ventilation always must be used for welding, cutting and grinding tasks.	Overhaul
Work in multiple levels	Contractor, name?	When working on multiple levels, gaps between levels must be covered/ shielded. If this is not possible, work must be planned so no work is done on multiple levels at the same time.	Overhaul
Production plants using or generating substances which may present a fire or explosion hazard	Contractor, name?	ATEX signed areas in production facilities, transport facilities and bio-stores. Work in ATEX areas may only take place after instruction and special work permit.	Overhaul
Production plants using or generating substances, which are hazardous to health (toxic, allergenic, asthma, carcinogenic, etc.).	Contractor, name?	Fly ash in the ash facilities is categorized as carcinogenic. Personal protective equipment such as autoflow and all-covering work wear must be used in order to reduce exposure.	Overhaul

Radiation from X-ray control	Contractor, name?	During NDT inspections the area must be closed off.	Overhaul
Radiation from optical sources such as welding and lasers.	Contractor, name?	The employees must be protected against optical radiation during welding tasks and measures must be taken to protect third parties.	Overhaul
Work under conditions that may cause exposure to dangerous amounts of static electricity	Contractor, name?	Risk of ignition, due to static electricity, of dry matter when vacuumed. Vacuum suction must be grounded	Overhaul

6. Time- and work plans

Main time schedule	The main time schedule is prepared by HOFOR See timeschedule of the xx.xx.201x
Detailed time schedule for individual contracts	The detailed time schedule is prepared by xx xx The detailed time schedule is updated by xx xx

7. Construction site plan

Current plan	Construction site plan (at defined sites) Construction site plan is prepared and updated on a regular basis by HOFOR. The construction site plan must contain the areas mentioned in Order No. 117 on the obligations of the developer, Appendix 3. Existing construction site plan must be visible at the entrance to the construction site.
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Appendix 1 – Project partners

Construction site	Address: Telephone:
Client	Name: HOFOR A/S Address: Ørestads Boulevard 35 2300 København S Project manager: Stefan Hyld-Kristiansen Telephone.: 2795 5014 E-mail: sthk@hofor.dk
Consulting engineer	Name: Address: Project manager: Telephone: E-mail:
Technical supervisor	Name: Address: Name: Telephone.: E-mail:
HS coordinator	Name: HOFOR A/S Address: Ørestads Boulevard 35 2300 København S Name: Michael Grausen Telephone: 2795 4115 E-mail: micg@hofor.dk
Environmental coordinator	Name: HOFOR A/S Address: Ørestads Boulevard 35 2300 København S Name: xx xx Telephone: 2795 xxxx E-mail: xx@hofor.dk
Construction manager	Name: HOFOR A/S Address: Ørestads Boulevard 35 2300 København S Name: xx xx Telephone: 2795 xxxx E-mail: xx@hofor.dk

Appendix 2 – Project contractors

Contractor list	
	Name: Address: Project manager: Telephone: E-mail:
	Name: Address: Project manager: Telephone: E-mail:
	Name: Address: Project manager: Telephone: E-mail:
	Name: Address: Project manager: Telephone: E-mail:
	Name: Address: Project manager: Telephone: E-mail:
	Name: Address: Project manager: Telephone: E-mail:
	Name: Address: Project manager: Telephone: E-mail:

Appendix 3 – Safety organization

If one contractor employs 5 employees or more for more than 14 days at the site, a work environment group consisting of contractor and work environment representative (employee) must be established.

Contractor 1	Function	Name	Telephone	E-mail
	Supervisor			
	Work environment representative (employee)			

Contractor 2	Function	Name	Telephone	E-mail
	Supervisor			
	Work environment representative (employee)			

Contractor 3	Function	Name	Telephone	E-mail
	Supervisor			
	Work environment representative (employee)			

Appendix 4 – Risk assessment / HAZID

Appendix 5 - Emergency response plan and evacuation plan

ALERTS AND EVACUATION

1. Keep the accident from getting worse

Secure the area by

- ▶ stopping machines and work processes
- ▶ cordon off the area to the best of your ability

2. Assess the person's condition

3. Alert

Contact the Control Room: Press 39 25 35 14

If necessary, call the emergency services: Press 112

4. Inform

- ▶ who you are
 - ▶ where you are calling from
 - ▶ the telephone number you are calling from
 - ▶ what has happened
 - ▶ and how many people are injured
 - ▶ whether you need a defibrillator from the Control Room
-

5. The Control Room

Leave the control of the emergency to the Control Room

6. Save

Give first aid

- ▶ CPR and shock prevention
- ▶ find blankets, etc. to protect against the climate

- ▶ fetch bandages and cover wounds and lesions. Give psychological first aid
- ▶ calm the injured party/parties and help with the practical things

7. Evacuate

Get people away from the danger zone
Do not put yourself at risk

Evacuation



Alarm signal: Rising sound with 1 second pause

Everyone should proceed along the safest route to their assembly point and register with their access pass at the evacuation terminal

Lifts (elevators) must not be used during evacuation

Assembly point

Control Room: Operations staff
The main gate: Other

Sounding the all-clear

The evacuation is called off by the Control Room at the main gate, which then informs the assembled staff.