



Requirement Open	<p style="text-align: center;">The Statkraft Way</p> <p style="text-align: center;">General Requirements for Health and Safety, Work Environments (HSWE)</p>	
-----------------------------	--	---

CONTENT

1	GENERAL INFORMATION	2
2	PRESENCE AT STATKRAFTS POWER PLANTS	2
3	WORK REQUIRING SPECIAL TRAINING AND SKILLS CERTIFICATION	3
4	WORK THAT ALWAYS REQUIRES LABOR CERTIFICATE	3
5	HOT WORK, FIRE HAZARD AND FIRE EQUIPMENT	3
6	ALCOHOL AND OTHER INTOXICANTS	3
7	COORDINATOR FOR COMMON, PERMANENT OPERATIVE LOCATION PER THE SWEDISH WORK ENVIRONMENT ACT	4
8	SAFETY ROUNDS	4
9	CHEMICAL HEALTH RISKS	4
10	WORKING HOURS	4
11	INCIDENTS, ACCIDENTS, INJURIES, NON-CONFORMANCES AND HAZARDOUS CONDITIONS	5
12	STATKRAFT HEALTH AND SAFETY COURSE "POWERED BY CARE"	5
13	ELECTRICAL SAFETY DIRECTIVES (EBR ESA)/WATERWAYS	5
14	WIND TURBINE	6
15	ELECTRICAL INSTALLATION WORK	6

Requirement Open	<p>The Statkraft Way</p> <p>General Requirements for Health and Safety, Work Environments (HSWE)</p>	 <p>Statkraft</p>
-------------------------	---	---

1 GENERAL INFORMATION

Statkraft Sverige AB overall working environment policy is to conduct its operations so that employees, contractors, partners and other interested persons' safety are safeguarded, their health is protected and as well working environment as ambient environmental care.

No work is so important that we would risk our lives and health!

General requirements are to be considered as minimum requirements and must always be fulfilled. Object-specific work environment requirements are specified in another contract documentation.

Investigating the work environment and assessing risks in the business are the central activities in the systematic work environment work. To know how to investigate the work environment, you need to identify which sources of risk exist in the business. Investigations and risk assessments of working conditions need to be carried out on a regular and regular basis. Risk assessments must be provided to Statkraft before work can be performed.

The building work environment coordinator (planning) shall ensure that a project-adapted work environment plan is established before any activity in the field begins relating to what Statkraft has ordered. Besides what is specified by law (Work Environment Act and AFS 1999:3 that regulates construction work, along with the change directives, it shall include documentation of how the work environment requirements and the implemented risk analysis and are to be handled and communicated with the building work environment coordinator (BAS-U), before the work begins.


2 PRESENCE AT STATKRAFTS POWER PLANTS

All Statkraft's employees, contractors and hired personnel shall use at work and or when staying in Statkraft's facilities:

- Safety helmet with chin strap according to EN 397
 - When working or staying in / near an electrical installation, the helmet must be approved for a minimum of 1000V and must not contain visible metal penetrations in the brackets for protective covers, visors, lamp holders and the like. (EN 50365).
- Safety shoe / boot protection. ISO 20345
 - Safety class S3.
 - Anti-slip properties.

For frequently occurring work on uneven ground, ankle-high safety shoes should be used. (Example, civil engineering and windfarms).
- Work clothing - Work jacket / full top and work trousers or overalls with high visibility and reflex (least class 2 pants and class 2 top according to EN 20471). Work clothing must also meet the requirements for flame protection and arc (least class according to EN ISO11612 A1 B1 C1 and EN 61482 1-2).
 - When working or staying in / near an electrical installation with a risk of electric arc, the requirements for flame protection and arc also apply to underwear / socks.

There must also be no visible metal objects or jewellery in these works.

Requirement Open	The Statkraft Way General Requirements for Health and Safety, Work Environments (HSWE)	 Statkraft
-----------------------------	---	--

- The following should always be available when needed
- Safety goggles, safety gloves, hearing protection.

These requirements apply to all activities at Statkraft's facilities

3 WORK REQUIRING SPECIAL TRAINING AND SKILLS CERTIFICATION

For a number of particularly vulnerable work may only be performed by personnel who have the training and skills required for the task. Such works can, among other things be:

- Electrical work (Vocational and EBR ESA)
- Travers Driving, lifting line (Licenses and the written certificate from Statkraft)
- Crane Driving (License)
- Mobile work platform (Certificates)
- Diving work (Certificates)
- Blasting (Blast Card)
- Hot work (Certificates)
- Tractor Driving (License)
- Electrical installation work (see point 15)

4 WORK THAT ALWAYS REQUIRES LABOR CERTIFICATE

When working at or near moving plant parts, the shutdown movable plant part, live or near live plant parts or in waterways safety precautions must be taken and work proof extraded before work can commence.

The contractor has the right to require proof of work in all existing jobs.
Working Proof provided by the patch conductor.


When working in waterways or on equipment that directs or controls water. At work in the waterway applied the industry jointly developed "Safety instructions for working in and adjacent power stations and reservoirs waterway, ESA Waterways - Hydropower safety instructions fully.

5 HOT WORK, FIRE HAZARD AND FIRE EQUIPMENT

With Hot Work referred mainly welding and cutting, working with an angle grinder, soldering and working with burners for heating or thawing. No Hot Work may commence without the permit from the responsible for fire protection made the control and left the state. Ensure Fire Protection Association's Safety regulations for Hot Work are met. One should always notify state responsible for fire protection if you intend to use flammable. One should ascertain where fire extinguishers are located. Gas and gas bottles should, when not in use, gathered to specially designated and the warning sign posted location.

6 ALCOHOL AND OTHER INTOXICANTS

Alcohol and drugs affect all human functions and can lead to poorer work and increased security risks.

Requirement Open	The Statkraft Way General Requirements for Health and Safety, Work Environments (HSWE)	 Statkraft
-----------------------------	---	--

Should an employee of a contractor or of a contractor-engaged subcontractor be found to be under the influence of alcohol or other drug during working hours, the person shall immediately and in a satisfactory manner, leave the workplace. It is the responsibility of the contractor to provide a replacement with another person having corresponding competence.

7 COORDINATOR FOR COMMON, PERMANENT OPERATIVE LOCATION PER THE SWEDISH WORK ENVIRONMENT ACT

For building and construction work within a shared, permanent operative location, the coordinator shall ensure that consultation in accordance with the Work Environment Act, with the person appointed as the building work environment coordinator (performance). The building work environment coordinator (BAS-U) is responsible for the construction area being clearly defined.

8 SAFETY ROUNDS

During safety rounds, the building work environment coordinator (BWEC) shall summon the coordinator for the joint, fixed operative location, the representative from the concerned employers, the safety representative and the client. Safety rounds shall be conducted on a regular basis and as needed. The BWEC shall have a documented agenda for the safety round which shall be submitted to and approved by the safety representative. The BWEC shall submit minutes from safety rounds to the client on an ongoing basis. The minutes shall indicate any non-conformances, decisions on measures, who is responsible and when the measures shall be completed.


Deficiencies in the facility's work environment are corrected without special contact with the client if the measures are within the framework of the signed contract. In the event of more extensive measures and uncertainties, the client shall always be contacted. Work environment deficiencies and risks with consequences for employees or third parties shall be described in reports. Any suggestions for measures should be stated.

9 CHEMICAL HEALTH RISKS

The supplier shall ensure that all chemical products subject to marking requirements, which are planned for specific use in the project, are produced in accordance with the Chemical Inspectorate's reference to the EU's chemical directive REACH. All chemicals used in the project should be documented in EcoOnline or similar systems. The client is entitled to ban hazardous substances from the project. The contractor shall be responsible for personnel who handle chemicals having the requisite training and having undergone the health examinations required for this task, as well as the use of the necessary safety equipment. Safety Data Sheet should be in place. At the end of the project shall use chemicals removed from Statkraft's facilities.

10 WORKING HOURS

The contractor shall have documented routines for ensuring that working hour assignments and lengths are such that the work environment and safety are not jeopardized. These routines shall be presented to the client prior to commencement of work.

Requirement	The Statkraft Way	
Open	General Requirements for Health and Safety, Work Environments (HSWE)	

11 INCIDENTS, ACCIDENTS, INJURIES, NON-CONFORMANCES AND HAZARDOUS CONDITIONS

- The contractor shall immediately notify Statkraft's project manager/owner of incidents and accidents. Written report, with action, submitted to Statkraft's project manager within 48 hours.
- The contractor (including contractor-engaged subcontractors) shall report the total number of job accidents, with and without subsequent absences, to Statkraft's project manager on a monthly bases, no later than the second working day of each following month and after completion of the project. The total number of days of absence registered by individual workers shall also be reported (not the day of injury).
- The contractor (including contractor-engaged subcontractors) shall report non-conformances/hazardous conditions to Statkraft's project manager.

12 STATKRAFT HEALTH AND SAFETY COURSE “POWERED BY CARE”

All who will perform work in or for Statkraft facilities, power station in the regulatory area or other operational work required to implement Statkraft health and safety course **“Powered by care”** The course must be completed before entering the work area!

Safety course is valid for 3 years.

Course certificate shall be submitted to the construction work environment coordinator (BAS-U).

Life saving rules High risk activities: Driving-Work at height –Lifting operation-Energized-systems-Heavy mobile equipment-Ground works-Confined spaces.


The purpose of Life saving rules is to reduce serious injuries and death by implementing clear safety rules for specific high-risk activities. Contractor working for Statkraft comply with their own internal security rules of a similar standard or higher or implement and comply with Statkraft's Life saving rules. There is no validity, as needed.

The courses are posted at Statkraft Contractor Academy:

<https://open.motimate.app/org/statkraft-contractors>

13 ELECTRICAL SAFETY DIRECTIVES (EBR ESA)/WATERWAYS

EBR ESA and ESA Waterways - Hydropower safety instructions and ESA instructed person non-electrical work

Requirement Open	The Statkraft Way General Requirements for Health and Safety, Work Environments (HSWE)	 Statkraft
-----------------------------	---	--

All personnel who will be working on or near an electrical installation shall be instructed in the significance of the directives and special instructions for working with the applicable parts. Review and documented training in ESA constitute a foundation for this. Also applicable are the electrical safety regulation.

For work in and near the power stations' and water reservoir waterways, as well as working at or near moving plant components, requires complete and documented training in ESA Waterways - Hydropower safety instructions.

ESA instructed person to perform any kind of non-electrical work in an electrical installation.

Other courses

The employer is responsible for ensuring staff have the necessary training for the work to be carried out.

14 WIND TURBINE


Other education requirements for work at height in wind turbines

- GWO manual handling
- GWO first aid
- GWO work at height
- GWO fire safety
- Medical examination for work at height

15 ELECTRICAL INSTALLATION WORK

To ensure that the requirements of electrical safety legislation are met, it is necessary for the holder to ensure that those who are to perform electrical installation work at the client facilities have the necessary knowledge for the work and meet the electrical safety legislation's basic requirements for electrical installation companies. The purpose is to give Statkraft Sverige AB the opportunity as a client to ensure that high-voltage systems are constructed, expanded or repaired in accordance with regulations and thereby provide satisfactory security against personal injury and property damage.

- **Electrical installation company**

Requirement Open	The Statkraft Way General Requirements for Health and Safety, Work Environments (HSWE)	 Statkraft
-----------------------------	---	--

All types of assignments that include electrical installation work must be performed by an electrical installation company that is registered with the Swedish Electrical Safety Agency. The company must have the necessary competence based on the commissioned assignment and have registered the relevant types of business to which the assignment relates with the Swedish Electrical Safety Agency.

- **Performer of electrical installation work**

Before starting work, the electrical installation company must show that all contractors of the work have the competence required for the electrical installation work that they are to perform. This means that the company must present the necessary documents from its self-monitoring program that the contractors have the right competence for current types of business and electrical installation work.

The supplier must be able to describe how to handle the cases where you hire staff to perform electrical installation work and how to regulate the relationship with subcontractors who perform electrical installation work.

- **Execution of electrical installation work**


The safety level in the electrical installation work must maintain "good electrical safety technical practice". This means that the electrical installation work must be carried out in accordance with the requirements in the Swedish Electrical Safety Agency's execution regulations and Swedish standards. If the electrical installation company intends to deviate from Swedish standards, it must be approved in writing by Statkraft Sverige AB. In addition to a clear description of the deviation and the standard to which the deviation relates, the application for deviation must also contain a clear risk assessment.

- **Control of electrical installation work**

As a method for inspections, the applicable electrical installation rules SS 436 40 00 Chapter 6 should be used. The electrical installation company must carry out the following checks for all electrical installation work that includes reconstruction, extension, or new installation:

- Inspection during assembly (ongoing self-inspections)
- Check before energization
- Check after energization

The inspections must be documented and handed over to the client after work has been completed. All deviations in the form of errors or deficiencies must be noted even if they have been corrected.

Requirement	The Statkraft Way	
Open	General Requirements for Health and Safety, Work Environments (HSWE)	

The client reserves the right to carry out random checks of documented checks during the assignment.