UNIT, BUSINESS AREA	OUR REFERENCE
GHM	TR13-04-01
DATE	CONSULTATION
24/10/2025	GH, NL, NK, NA, NS, GI and TR13 FORUM
REVISION	APPROVED
4	GHM

TECHNICAL GUIDELINES

Requirements concerning environment and health

Introduction

This technical guideline contains specific requirements concerning environment and health. The requirements apply to the execution of all types of building, civil engineering and maintenance work, storage operations, consultancy services in planning and design, and other similar assignments.

Updates

Revision	Change note	Date
Revision 1	The review is prompted by TR-HMSK being collected under common technical guideline now called TR13-01. Previous TR13-01 Environmental requirements for building, construction and maintenance works therefore switch indication to TR13-04-01. Mainly changes regarding chemical management in Chapter 6. Chapter 8 and 11 are new.	13/09/2016
Revision 2	Updates, clarifications and minor additions to the majority of sections. The revision also includes clarification of requirements for chemical products, impregnated wood, contamination in ground and water, and demolition and decommissioning.	30/04/2019
Revision 3	Update of Section 11.1 Reporting of hazardous waste as a result of a change in the Waste Regulation.	09/11/2020
Revision 4	Update of requirements in accordance with the overhead line template (AF21) concerning vehicles and work machines, noise (new) and within the natural environment. Revised chemical product classification and requirements to more open and general criteria.	24/10/2025

Contents

1 Definitions

Waste	Waste means any item or substance that the proprietor wishes to dispose of or is obliged to dispose of.
Deviation	Adverse incident or unfulfilled requirements: - Event where accident or incident has occurred or could occur - Observation of an error, a risk or a deficiency that can lead to an accident or emergency (risk observation) - Departure from working methods, practices, procedures, legal requirements, etc. - Deficiency in product, service or delivery
Work machines	Work machines means mobile machines as defined in Law (1998:1707) on measures against noise and exhaust emissions from mobile machinery. Exhaust requirements for tractors and work machines have been introduced in common in the EU. Step levels are found in Regulation (1998:1709) for exhaust requirements for certain internal combustion engine driven mobile machines.
BASTA	BASTA is an independent system for environmentally assessing building and construction products
ECHA	European Chemicals Agency
Contractor	Companies that deliver more or less complete construction or maintenance services, including materials.
Exposure	Exposure means that humans and/or the environment are exposed to substances harmful to health and/or environment
Hazardous waste	Waste is defined as hazardous if it has one or more hazardous properties (e.g. toxic, radioactive etc.) or contains substances classified as hazardous.
Handling of chemical products	Manufacture, processing, treatment, packaging, storage, transport, use, disposal, destruction, conversion, and similar procedures.
HSEQ:	Work environment, environment, electrical safety and quality (safety is excluded).
Inbuilt chemical products, materials and goods	Inbuilt chemical products, materials and goods are those built into the installation to form a permanent part of the use phase of the installation. Chemical products or materials and goods used temporarily during the construction phase are not inbuilt.

Inbuilt stand-alone chemical products	Inbuilt, but stand-alone, chemical products forming part of the installation or equipment to be a permanent part during the use phase. 'Stand-alone' means that they can be added or removed without the installation itself being affected, e.g. transformer oil.
Chemical hazard	Chemical substances that could cause illness or accident depending on how they reduce the concentration of oxygen in the air, or increase the risk of fire, explosion or other dangerous chemical reaction. For example, hot liquids, grinding dust, fumes or products with labelling-liability.
Chemical product	Chemical substances or a mixture of chemical substances which have been manufactured or extracted, and whose function is primarily determined by its chemical composition.
Consultant	Consulting company that provides services. Includes the role Project Planner.
Creosote-impregnated wood, Bleeding	Creosote runs or drips from the wood
Creosote-impregnated wood, Smearing	A shiny layer of creosote is visible on the wood
Creosote-impregnated wood, Essentially smear-free	At least 75% of the pole is visibly completely dry and the remainder is smearing. The assessment has been made after discussion with the Swedish Chemicals Agency, the Swedish Wood Preservation Society and a supplier of creosote-impregnated wood. The assessment has also been agreed by internal lawyers at Svenska kraftnät.
Creosote-impregnated wood, Surface dry	Visibly completely dry wood surface
Supplier	Collective term for any company that has a contract with Svenska kraftnät and is supplying products/services. It includes Contractor and Consultant. Subcontractors can be different things but Svenska kraftnät is never party to the agreement.
Environmental accident	An environmental accident is a major accident or incident that has an impact on the external environment and cannot be managed with the workplace's own contingency or remedied with simple means. Examples include fires, accidents and unintentional emissions of oil, diesel or other chemical products, resulting in a risk of damage to health and the environment.
Chemical product with labelling-liability	A product which, because of its hazardous properties, shall be labelled with a hazard pictogram and/or hazard statement in accordance with the CLP regulation (Regulation (EU) no. 1272/2008).
REACH	Stands for Registration, Evaluation, Authorisation and Restriction of Chemicals. In Swedish: Registrering, utvärdering, godkännande och begränsning av kemikalier. REACH is the EU's chemicals legislation. Policies are set out in European Parliament and Council Regulation (EC) No 1907/2006.

Safety data sheet	Aims to inform the user about the hazards of chemical products as well as the precautions to be taken for safe handling. Companies that launch chemical products on the market shall provide those who professionally handles products with current safety data sheet if the product is classified as dangerous
Subsupplier	Company that is a contractor or consultant, and party to agreement with a Svenska kraftnät's contracted Supplier.
Action Plan Land and Water	A living document drawn up by the Customer, the purpose of which is to make it easier for the Supplier to comply with the specific legal requirements and administrative decisions, as well as any agreements with interested parties, concerning for example, the natural and cultural values as well as soil and water during design, civil engineering and maintenance. The action plan shows reference objects on maps. In conjunction with the map, there are tables in which the Supplier shall propose measures to meet the requirements. This document is not an environmental plan.

2 Scope and responsibility

This technical guideline makes requirements regarding environmental and health risks that Svenska kraftnät has assessed as significant for the execution of works for Svenska kraftnät operations.

The requirements include the activities undertaken by Supplier under contract with Svenska kraftnät. Requirements also apply to all Subcontractors and Consultants working on the assignment. The Supplier, with whom Svenska kraftnät has signed an agreement, is responsible for ensuring that the requirements in this document are followed. Requirements for systematic HSEQ work in building, civil engineering and maintenance work, planning and design in commissions for Svenska kraftnät can be found in technical guideline TR13-01 and apply in parallel with this technical guideline.

Risk management and work preparations shall be carried out in accordance with the technical guideline Requirement on systematic work in occupational health, safety, environment and quality – TR13-01.

Contractor, Planner and Consultant are referred to below as Supplier and Svenska kraftnät as Customer.

3 Training

Key personnel (project managers, site managers, supervisors and equivalent positions) at the Supplier and sub-suppliers shall undergo the Customer's web-based environmental education for Suppliers. The project manager shall undergo environmental training in conjunction with the start of the project; site manager or supervisor before commencing on the site. Approved result is valid for three years. Thereafter, the training shall be carried out again. Certificate shall be presented or submitted to the Customer.

4 Material and equipment

4.1 Information about the composition of materials and equipment

For all purchased products forming part of fixed installations (construction materials, equipment and chemical products, etc.) documentation shall be available in the form of e.g. a construction or environmental product declaration. The documentation shall be broken down by commodity/product and be in Swedish or in English.

The documentation shall contain at least:

- Materials and components of the product. The content shall be expressed in weight percentage (weight %) of the entire product or in grams.
- Information concerning any occurrence of the particularly hazardous substances on the candidate list of the REACH regulation (Article 59 of Regulation (EU) No 1907/2006) and in a concentration above 0.1 per cent by weight (1,000 mg/kg) per substance in the products offered. 0.1 per cent by weight applies to every component of an item.
- Information about whether the product is classified as hazardous waste in case of demolition or scrapping.
- Information about whether the product contains stand-alone chemicals, such as transformer oil in transformers. In these cases, information about the constituent chemicals shall be provided - see chapter 5.

4.1.1 Reporting to the Customer

Building product declaration, environmental declaration or the equivalent, according to the requirements of 4.1 shall be reported as follows:

- For construction projects, the report shall be included in the final documentation.
- For ongoing maintenance work, the Supplier shall regularly report documentation into the Customer's maintenance system.

5 Chemical products

5.1 Classification of chemical products

All chemical products shall be classified before they are used for the assignment. The supplier classifies these by checking the chemical product and its constituent substances against the BASTA system criteria and, for prohibited products, against the Swedish Work Environment Authority's substances with restrictions or permit requirements (groups A and B) and REACH Annex XIV (list of permits). Svenska kraftnät's classification of chemical products is as follows:

- Class 1: Products that meet the criteria for the ALFA level of the BASTA system. In practice, this refers to products that do not contain or restrict phase-out and risk-reducing substances (i.e. contain no or low levels of substances with hazardous properties).
- Class 2: Chemical products that meet the criteria for the BETA level of the BASTA system. This refers to chemical products that restrict phase-out substances (i.e. may contain risk-reducing substances but no or low levels of phase-out substances).
- Class 3: Chemical products containing phase-out substances above the BETA level of the BASTA system. These chemicals may only be used when there is no alternative.
- Class 4: Chemical products that are prohibited in the Customer's operations. These are products that contain chemical substances listed in the Swedish Work Environment Authority's Group A and Group B, or are listed in REACH Annex XIV.

Chemicals in classes 2 and 3 are subject to special conditions that shall be fulfilled before the product may be used, see Table 1 below.

Table 1. Special conditions that shall be met for class 2 and 3 chemicals. A product selection analysis shall be carried out in line with Svenska kraftnät's guidelines described on the Stakeholder portal. Note that certain products are exempt from the product selection analysis. These can also be found on the Stakeholder portal.

	Chemical products **used on assignments by suppliers**	Chemical products **built into the installation**	
		Chemical products in appliances or equivalent **selected by the supplier**	Chemical products in appliances or equivalent **designated by SVK**
Chemical products Class 2	No special conditions.	Conduct product selection analysis. The product selection analysis shall be approved by the technical manager for the device type (or equivalent) before use.	Request access to the product selection analysis done by SVK. If the built-in chemical product and safety data sheet used in the analysis are still the same, no further action is required. If there are changes, request that SVK does a product selection re-analysis.
Chemical products Class 3	Conduct product selection analysis. The product selection analysis shall be approved by the project manager or maintenance engineer before use.	Conduct product selection analysis. The product selection analysis shall be approved by the technical manager for the device type (or equivalent) before use.	Request access to the product selection analysis done by SVK. If the built-in chemical product and safety data sheet used in the analysis are still the same, no further action is required. If there are changes, request that SVK does a product selection re-analysis.

There shall be a risk assessment for all chemical products that the supplier handles. These risk assessments shall be made available to the supplier's employees and shall be available for presentation to the Customer on request.

Instructions, templates and guidance can be found on the Customer's website www.svk.se under Stakeholder portal, Chemical management.

5.2 Chemical inventory, safety data sheets and other documentation

An object-specific chemicals list shall be prepared for the current assignment, and kept up to date. The list shall be presented at the request of the Customer. Inbuilt stand-alone chemical products, and chemical products to be supplied to the Customer as reserve materials, shall also be included in the chemicals list. Chemicals list shall contain at least:

- The product name
- Product type (application)
- Estimated annual quantity used in the assignment or maintenance area
- Information about the product's classification with regard to hazards
- Classification and grouping of the product according to SVK (1 - 4), see Section 5.1 Classification of chemical products
- Reference to product selection analysis where required in accordance with Table 1
- Note if there is a need for training and/or medical examination in order to handle the product
- Where the product is stored, used or formed (location or type of operation)
- In the case of built-in and stand-alone chemical products, where they are built-in shall be stated
- Date on which the data on the product were collected and entered into the list

For chemical products used by the supplier on behalf of SVK, the Supplier shall hold a current safety data sheet in accordance with (EC) No. 1907/2006 (REACH) in Swedish and the language(s) spoken at the work location.

Safety data sheets in Swedish shall be submitted to the Customer for built-in stand-alone chemical products and chemical products that are needed in reserve.

Chemical hazards shall be part of the risk management process, as described in the technical guideline for the requirement on systematic work in occupational health, safety, environment and quality, TR13-01.

5.3 Import and landing of chemical products to Sweden

When chemical products are imported to Sweden, the Supplier is responsible for adherence to applicable laws and requirements under REACH and the Swedish Chemicals Agency's regulations.

The Supplier is responsible for ensuring that registration with ECHA and the Swedish Chemicals Agency takes place as required by Regulation (EU) no. 1272/2008 (CLP) or Regulation (2008:245) on chemical products and biotechnical organisms.

5.4 Specific requirements for the SF_6-gas

Regulation EU 2024/573 applies to all handling of devices and gas-insulated switchgear containing SF6 gas, and precautions resulting from a risk assessment shall be taken to prevent the release of SF6 gas.

All personnel whose task is to install, maintain, repair or disassemble electrical switches and other equipment containing SF6 shall be certified in line with EU implementation regulation (EU) 2024/2639.

Containers with SF6 gas for refilling equipment may not be stored within the Customer's commissioned station facilities.[1] The Supplier is responsible for storing and supplying SF6 gas if necessary, and in cases where the gas cannot be reused, it shall be disposed of for destruction. Storage periods for the SF6-gas on the construction site shall be minimised as far as possible. Storage shall occur at a single designated place, clearly cordoned from traffic and collision-protected.

For jobs that require opening of gas storage room, SF6-gas shall be taken to gas processing equipment for storage, treatment and reuse.

6 Noise

The Supplier shall plan and carry out the work in such a way that disruptive noise is minimised and in line with the guideline values specified by the Swedish Environmental Protection Agency's "Guidelines on industrial and other work activity noise" and "General advice on noise from construction sites". In the event of complaints and risk of noise or guideline values are exceeded, the Supplier shall take measurements and take noise-reducing measures if the guideline or limit values are exceeded.

[1] Exemptions may be granted for temporary storage if the work is made significantly more difficult, but then, the requirements for storage at the construction site apply.

7 Vehicles, fuel and tanks

Waste disposal equipment shall be found in all vehicles and work machines on site.

7.1 Light vehicles (GVW under 3.5 tonnes)

Light vehicles shall be classified as Euro 5 emissions standard or higher.

7.2 Heavy vehicles

Heavy vehicles shall at least comply with Euro 5.

Heavy vehicles that are powered by electricity for tasks at the work location and use an internal combustion engine for their movement/propulsion shall be classified as Euro 4 or higher. In such cases, the vehicle's combustion engine may not be used during work or to produce electricity.

7.3 Work machines

Work machines may not be older than 12 years, excluding the year of manufacture. Work machines whose engines meet the requirements of Stage IV or later Stage requirements may be used even if the age requirement is not met[2].

Work machines that are powered by electricity for their tasks and use combustion engines for their movement/propulsion may not be older than 16 years, excluding the year of manufacture. In such cases, the work machine's combustion engine may not be used during work or to produce electricity.

Table 2 Work machines of which the engine has been replaced or that have been upgraded to the following emission classes may be used up to and including the specified year. The dash "-" in the table means that motor replacement or upgrade is not applicable.

Motor rating	Stage IIIA Basic requirement	Stage IIIB Basic requirement

[2] Deviations from the requirements may be allowed for some special machines. Any exceptions shall be approved by the Customer and documented in the Customer's deviation management system.

P < 8 kW	-	-
8 ≤ P < 19 kW	-	-
19 ≤ P < 37 kW	2030	-
37 ≤ P < 56 kW	2024	2030
56 ≤ P < 75 kW	-	2026
75 ≤ P < 130 kW	-	2026
130 ≤ P ≤ 560 kW	-	2026
P > 560 kW	-	-

7.4 Register of vehicles, work machines and tanks

A list of the water, air and land borne vehicles, work machines and associated fuel supply tanks planned to be used in the work, shall be prepared and attached to the environmental plan. The list shall be drawn up in accordance with the template available on the Customer's website www.svk.se under Stakeholder portal, Contractors in the electrical grid, Technical guidelines, Templates to TR13, and kept up to date during the agreement period.

7.5 Specific requirements for fuels, hydraulic fluids, etc.

The diesel fuel and petrol used shall comply with the requirements for environmental class 1 or equivalent.

For auxiliary power units at stations and in technical sheds, environmental class 1 diesel with no RME (rapeseed methyl ester) shall be used.

Alkylate fuel shall be used for petrol-powered work machines and tools (chainsaws, brush cutters, lawn mowers, and snow blowers, etc.).

In particularly sensitive areas, e.g. sensitive natural environments, water protection areas and sensitive wetlands, the hydraulic oils and fluids used shall meet the environmental property requirements in Swedish Standard SS 155434.

Within the metropolitan areas Gothenburg, Malmö and Stockholm, the hydraulic oils/liquids used shall always comply with environmental property requirements of Swedish Standard SS 155434.

Hydraulic hoses on machines shall be monitored daily to avoid leakage.

7.6 Tanks, refuelling locations and lining-up of vehicles

Refuelling and line-up of tanks, work machines, and vehicles shall be in the same place as far as possible, but with consideration taken to the risk of fire and other risks[3]. The site shall be located outside water protection areas and situated away from individual wells and other areas identified as valuable/sensitive and be designed to ensure that spills can be disposed of easily.

Tanks and fuel tanks shall be protected from collisions and be either double-jacketed or enclosed.

When filling fixed tanks or fuel tanks, for example, auxiliary power units, spill-collecting equipment such as trays shall be used.

8 Natural and cultural values, etc.

Natural and cultural assets in a project shall be managed as in the action plan for land and water, if there is one. If there is no action plan, the Supplier shall investigate the presence of natural and cultural assets worthy of protection and take the necessary protective measures. The following requirements for measures apply. The list of requirements below is not

[3] Refuelling and line-up of tanks containing substances with a fire or explosion hazard, and placing of work machines and vehicles shall be in accordance with the electrical safety authority's regulations ELSÄK-FS 2022:1, Table 4.

exhaustive and it is the Supplier’s responsibility to ensure that the necessary considerations are made.

Natural and cultural assets to be saved or taken into account shall be marked with strips or otherwise marked, this is carried out in consultation with the Customer. For marking out vegetation in the maintenance contract, please refer to the Guidelines for maintenance of power line corridors and station areas, TR12-13.

Before carrying out work activities/maintenance measures in the existing line corridor, the Supplier shall check whether there are species-rich areas with adapted maintenance within the work area entered in the Customer's GIS system. If the Supplier does not have access to the GIS system, the Supplier needs to request information from the Customer about adapting operation and maintenance. As far as possible, permanent damage shall be avoided in areas subject to adapted operation and maintenance.

The construction of any new transport routes, material and machine storage areas and erection of sheds shall take a great degree of consideration to environments that are vital for nature, culture and outdoor life.

If artefacts are found in the work area, work activities shall be stopped immediately in the area of the artefacts and the Customer shall be notified immediately.

If protected species are encountered in the work area, work activities shall be stopped in the area impacted by the species and the Customer shall be informed immediately.

If invasive plants are encountered in the work area, work activities shall be stopped if the work activities are assessed to potentially spread the invasive plants. If there is a risk of the plants spreading, the Customer shall be contacted for a decision on handling before resuming work activities. The Customer shall always be notified of any invasive plants found in the work area or existing line corridor/station. For further guidance, please refer to the EBR handbook on handling invasive plants A 413:24. To prevent the risk of spreading soil contamination, invasive species, weeds and pests, excavated materials shall not be moved between properties. To reuse excavated materials on another property, a risk assessment shall be done and samples shall be tested.

Heightened care shall be taken in shore zones and by watercourses to avoid muddying, erosion, spilling of materials in the water and impacting fish spawning grounds.

If possible, avoid driving in sensitive areas, e.g. wetlands/moors, beaches and sloping soils.

Excavation work and driving in wetlands and other areas with poor load-bearing capacity shall, if possible, be carried out during dry periods or when the ground is frozen. If necessary, temporary reinforcement such as timber bridges shall be used.

Damage caused by vehicles shall be avoided to prevent damming, impact on the natural landscape and soil compression. Should such damage arise, the ground shall be restored after completing the work activity. Felling residues will be cleaned away from, for example, cultural relics, paths, trails, ditches, streams, rivers and beaches.

9 Contamination of land and water

9.1 Historical contamination

At an early stage, the Supplier shall survey whether there is any known historical contamination in the work area. The extent of the survey shall be agreed with the Customer. Historical contamination may result from the Customer's operations or other operations. The survey shall be based primarily on existing documentation, if any, provided by the Customer. The results of the survey and assessment of any contamination situation shall be documented and reconciled with the Customer. A decision on any measures to be taken shall be made in consultation with the Customer. If the survey has not been carried out at an early stage, it shall be carried out by the Contractor before establishment on site.

If, during ongoing work, the Contractor encounters suspected contamination which was not revealed by the survey, the Contractor shall immediately inform the Customer. If there is a risk of a spread of contamination, the Contractor shall immediately suspend work on the site and take remedial measures as in the emergency plan. For requirements regarding the emergency plan, see TR13-01. In line with the environmental code, notification of the remedial measures shall be made, in consultation with the Customer, to the local supervisory authority.

9.2 Contamination occurring during ongoing work

The Supplier shall have an established working procedure for handling of any possible
contamination of land and water that activities in the assignment can give rise to.

Minor spills (oil, fuel or chemicals) shall be collected, e.g. with absorbent. Alternatively, small quantities of superficially contaminated soil can be excavated. If the spill is in a sensitive nature or water area, the Supplier shall immediately notify not only the Customer, but also the local authority.

In the event of spills that can have serious consequences for the environment, e.g. the spread of airborne or waterborne contaminants, the Supplier shall immediately notify not only the Customer, but also the emergency services and the relevant supervisory authority. The Supplier is responsible for introducing protective measures and carrying out decontamination in the event of an accident or incident that may give rise to environmental impact. In the event of environmental accidents, the Supplier is responsible for ensuring that the ground is restored in consultation with the supervisory authority

10 Impregnated wood

For all handling of impregnated wood (posts and sleepers), a risk assessment shall be carried out and a work plan prepared in accordance with the technical guideline on requirements for systematic work in work environment, environment, electrical safety and quality, TR13-01.

10.1 Inspection of newly-impregnated wood upon receipt

Creosote-treated posts and sleepers shall be surface-dry and essentially free from smearing when they are delivered to the site.

The Supplier shall inspect impregnated wood visually at the time of delivery to ensure that it meets the above requirement. The inspection shall if possible take place when it is sunny and warm, as there is then a greater likelihood that smearing and bleeding wood will be identified.

Wood that is bleeding or not essentially free from smearing on delivery shall be returned immediately. The incident shall be reported in the Customer's deviation management system.

10.2 Temporary storage

By temporary storage outdoors of freshly impregnated poles and sleepers, the ground surface shall be protected.

The length of temporary storage shall be minimised as far as possible.

The ground shall be protected with an absorbent bed intended for oil collection. If there is judged to be a risk of the public coming into contact with the stockpile, it shall also be covered with a tarpaulin. All protective measures necessary to prevent dispersion shall be taken.

Tarpaulin and absorbent bedding shall be removed as soon as possible after use and treated as hazardous waste.

Impregnated poles and sleepers shall always be stored outside water protection areas and at a suitable distance from individual wells, ditches and other sensitive areas.

10.3 Inspection after installation

Fitted poles, which have been creosote-impregnated, shall be inspected by the Supplier in the summer after fitting to identify poles bleeding or smearing.

Smearing or bleeding poles, or poles where creosote has collected on the ground around the pole, shall be documented with pole number and photo, and recorded and reported to the Customer using the template available on the Customer's website www.svk.se under the Stakeholder portal, Contractors in the electrical grid, technical guidelines, Templates for TR13.

11 Demolition and decommissioning

11.1 Demolition of buildings, installations and equipment

In this section, 'Demolition' refers to the Supplier's work of demolishing whole or parts of substations, lines, roads and similar.4

For work including demolition, an inventory of the object to be demolished shall be carried out. The inventory shall be based primarily on existing documentation, if any, of the object to be demolished, provided by the Customer. If there is no documentation, the Supplier shall carry out an inventory of the object to be demolished. The scope of the inventory and the need for any notifications and applications for permission shall be decided in consultation with the Customer. Demolition of electrical installations requires authorisation for electrical installation work led by the elsäkerhetsledare, see also TR 130302.

The inventory shall be carried out by someone with good knowledge of the demolition object in question. The inventory shall identify:

- Which materials and products may give rise to hazardous waste, and which materials and products can be reused or recycled.
- The environmental and work environmental risks that can occur during demolition steps as well as how they shall be handled.

For demolition requiring notification or application for permission, the Supplier shall draw up an
object-specific demolition plan on the basis of an inventory of the object to be demolished. A final version of the demolition plan shall be submitted no later than four weeks before the final inspection of the demolition work.

The demolition plan shall include, at least:

- Methods to identify hazardous substances and hazardous waste.
- Description of demolition methods.
- Who performs the demolition and when

[4] If uncertainty exists regarding which items are to be included in the demolition, the Customer shall be contacted.

- Which materials and products will become waste
- Estimated quantity of all materials that become waste
- Description of how to handle hazardous waste.
- See also Chapter 12, Waste management
- Description of management/restoration of the land.
- See also Chapter 9, Contamination of land and water

The demolition plan shall be reviewed and agreed by the Customer and accepted by the local supervisory authority before the demolition may commence.

11.2 Demolition of impregnated wood

Svenska kraftnät has decided that all installation parts made of impregnated wood shall, as a general rule, be removed when a line is demolished. Exceptions may be made in individual cases if there are clear conflicting interests at a specific location that outweigh the benefits of the restoration and/or protective measures. Each project is responsible for investigating which of the installation's parts may be impregnated in the installation scheduled to be demolished and for applying the principles for disposal of impregnated installation parts in the project.

12 Waste management

The Supplier is obliged to transport excavated materials, and materials and goods that will no longer be used by the Supplier or otherwise to a waste depot, landfill or recycling facility. Taking over materials, excavated materials and goods is subject to environmental liability. The Supplier shall provide the necessary permits that may be required for further processing.

An initial version of the waste management plan shall be made available to the Customer for review no later than one week before establishment. The waste management plan shall be kept up-to-date throughout the period of the assignment. In the event of changes of any kind that affect the contents, the Supplier shall ensure that the content is revised. What has been updated, when and by whom shall be documented in the waste management plan. The changes shall be communicated to all affected staff and be kept easily accessible at the work location. If the waste

management plan is revised, the Contractor shall send a copy of the new version to the Customer without delay.

Quantities and handling of non-hazardous waste and hazardous waste shall be reported on an ongoing basis throughout the period of the assignment. By no later than the final inspection, all structured and complete documentation on the landfill and waste submission certificate and final compilation from the authorised scrap contractor, waste contractor or similar shall be handed over to the Customer with certification that it has been completed.

The waste management plan will at least contain:

- Details of materials and products that will become hazardous waste: location, estimated quantity, waste code (to the extent possible) and overall description of management.
- Details of materials and products that will become other non-hazardous waste: location, estimated quantity, waste code (to the extent possible) and overall description of management.
- Details of any notifications or permits required for management of the waste
- Information on any products that can be reused, and how they will be managed.
- Procedures for handling transport documents and acknowledgements of receipt, including weighed-in quantities if applicable.

The Supplier is responsible for ensuring that necessary sampling is carried out and that any PCB content is analysed on all equipment that may contain PCB. In the cases where PCB is identified, the Customer shall be notified. The Client defrays any destruction costs arising.

Waste shall be managed so as to minimise the risk of contamination spreading from waste. The work area, heap locations and access roads shall be kept in tidy condition.

12.1 Hazardous waste reporting

The Customer is the waste producer when maintenance and decommissioning take place in relation to the Customer's facilities and in cases where contamination that has not arisen from the Supplier’s activities is encountered and must be disposed of.

As a waste producer, the Customer is obliged to register hazardous waste in the Swedish Environmental Protection Agency's register of hazardous waste, in accordance with Chapter 6, Section 11 of the Waste Regulation (2020:614), which regulates the time and method of reporting.

The responsibility of the Customer as a waste producer according to the above shall be fulfilled by the Supplier. Thus, the Supplier will record information about hazardous waste and submit the information to the waste register on behalf of the Customer.

The Supplier shall continuously and in chronological order save copies of the records submitted to the waste register. The copies shall be saved in the document management system designated by the Customer.

D O K U M E N T S I G N A T U R E R

Innehållet i detta dokument är digitalt signerat.
Namn och tidpunkter visas på denna sida.

Signerad av:
EMMA BREITHOLTZ
Tidpunkt:
2025-11-21 12:53:52