

## Checklist

### Application and environmental impact assessment for animal husbandry

This document gives examples of what an application and environmental impact assessment for an animal husbandry permit should contain. Please note that the application and the environmental impact assessment are two separate documents that must be able to be read separately.

### Application

Applications for animal husbandry permits under the Environmental Code (*miljöbalken*) must include the following information.

#### Administrative information

Please provide the following information:

- name of the operator;
- postal address;
- geographical address;
- organisation number;
- telephone number;
- email address;
- registration certificate (for legal entities).

#### Authorised representative

If you have an authorised representative, please provide the following information:

- name of the authorised representative;
- postal address;
- telephone number;
- email address.
- original version of the power of attorney (to be attached).

#### Request

Your request must clearly state what you are seeking a permit for. For example, it should state:

- whether the establishment is a new establishment, an extension (existing and extended activities) or a conversion (conversion permit);
- the type of activity;
- the quantity produced;
- the implementation order (in specific cases), with a clear justification of why you are applying to use the permit before it has become final.

You must specify:

- the animal species;
- the number of animal units, divided into species or number of places;
- the property or properties in which the activity is and will be conducted;
- the municipality or municipalities covered by the application.

It is possible to submit alternative requests, provided that all the alternatives are fully described.

#### Activity code and (if applicable) IED code

Specify the activity code according to the Environmental Assessment Ordinance (*miljöprövningsförförordningen*). For poultry and pigs subject to authorisation, the current code must also be indicated in accordance with Annex 1 to Directive 2010/75/EU.

#### Existing decisions under the Environmental Protection Act (*miljöskyddslagen*) or the Environmental Code (*miljöbalken*)

Any existing permits or notifications must be reported, as well as any judgments in appeal cases. You can give a brief description of permits, notifications and judgments in writing and attach the full decisions.

#### Description of activity

The description of the activity must describe the planned activity or, where appropriate, the current activity, and the change for which the application is made.

#### Technical descriptions

Provide technical descriptions of current and planned activities including, for example, stables, storage and spreading of manure, flushing plates, chemical handling, feed handling, flushing and washing water, stormwater management, etc. The description in the application should be brief, while drawings, etc. should preferably be attached to the application.

#### Status report

For activities classified as 1.10 according to the Environmental Assessment Regulation (pigs or poultry), a status report must be attached or, if the applicant applies for exemption from a status report, steps 1-3 in the preparation of a status report must be attached, as well as an explanation of why such a report does not need to be prepared. As an example, see the Swedish Environmental Protection Agency's guidance on status reports (report 6688, July 2015).

#### Location

Describe the location and design of the activity. This should also be shown on clear maps.

The description must indicate whether there is a detailed plan or zoning regulations in force for the area.

#### Survey of local residents

List the residential buildings, nurseries, schools, business premises, etc. within at least 500 metres of the activity. They should also be shown on a clear map. Names and cadastral references must be indicated.

An account of how the general rules of consideration in Chapter 2 of the Environmental Code are observed

- Rules on burden of proof
- Expertise requirement
- Precautionary principle, including the principle of best available techniques
- Substitution principle
- Housekeeping and recycling principles
- Location principle
- Principle of reasonableness
- Responsibility for remedying damage

## Obligations and proposed conditions

Propose conditions relating to matters such as:

- storage and handling of manure;
- handling of chemicals and waste;
- transport routes and times;
- emissions into water;
- emissions into the air;
- odours;
- flies and birds;
- noise;
- protection zones around lakes, watercourses, wells and residential properties.

Any obligations must be clearly and comprehensively disclosed.

## Proposed safeguards

Propose safeguards or other precautionary measures that may be taken to prevent or remedy nuisances from the activity based on the general rules of consideration in Chapter 2 of the Environmental Code. The following information must be provided as a minimum:

- possible measures and their impact;
- measures proposed (including any timetable for completion of measures relating to existing activities);
- reasons why certain measures are proposed or are not proposed.

## BAT conclusions

Explain how you will comply with the established BAT conclusions (for poultry or pigs). The description of how you will comply with the conclusions should preferably be provided under a separate heading or in an annex to the application.

## Inspection of the activity

Make proposals for monitoring and checking on the activity.

## Consultation

Provide a summary of the consultations carried out, including the comments received and how these have been taken into account in the environmental impact assessment. Also specify whether the activity is likely to have a significant impact on the environment.

## Non-technical summary

Prepare a brief summary of the application and the environmental impact assessment. It should be adapted so that non-specialists can also understand the content.

## Signature

The application must be signed by an authorised signatory or by your representative. The original document must be clearly identified.

## Environmental impact assessment

The scope of an environmental impact assessment must be adapted to the nature and scope of the activity. Consider the following list as a general checklist. Information may need to be added or deleted.

### Administrative information

Please provide the following information:

- name of the operator;
- postal address;
- geographical address;
- organisation number;
- telephone number;
- email address.

### Authorised representative

If you have an authorised representative, please provide the following information:

- name of the authorised representative;
- postal address;
- telephone number;
- email address.

### What the environmental impact assessment covers

For example, it must state:

- whether the establishment is a new establishment, an extension (existing and extended activities) or a conversion (conversion permit);
- the type of activity;
- the quantity produced;

You must specify:

- the animal species;
- the number of animal units, divided into species or number of places;
- the property or properties in which the activity is and will be conducted;
- the municipality or municipalities covered by the application.

### Design and scope of the activity

- Current animal husbandry, if any
- Animal husbandry, if any, after construction, conversion or extension
- The maximum number of animal places for pigs and poultry, and number of animal units for cattle and mink
- The number of breeding rounds per year for poultry and for pigs raised for slaughter

### Environmental targets

Describe how the planned activity will affect current national, regional and municipal environmental targets.

The surrounding environment of the activity, planning conditions, etc.

- A clear overview map showing the location of the establishment, with a description of the distances to homes, schools, healthcare facilities and the like for the various location options
- Detailed plans and zoning regulations affecting the area
- Municipal master plan for the area with comments
- Areas of national interest, Natura 2000 areas, water protection areas, etc.

- Any local health protection regulations where, for example, the spreading of manure in and adjacent to zoned areas is usually regulated

#### Presentation of the proposed site and alternative locations and designs

- Description and comparison of alternative locations, designs for the planned activity and the baseline scenario (the baseline scenario should be comparable to the activity you are proposing in terms of impacts on human health and the environment, e.g. environmental quality standards, odour, noise, emissions into air and water, and conservation of natural resources).
- Justification as to why the proposed location and design are preferred. If it is clear that an alternative site is inappropriate, the reasons for this must be stated.
- A to-scale site plan describing distances to homes, schools, healthcare facilities and the like for the various location options.

#### Impact of the activity and the alternative(s) on human health and the environment

- The impact of the activity, with associated spreading areas, on:
  - large unaffected areas;
  - wetlands;
  - lakes;
  - watercourses;
  - biotopes worthy of protection;
  - endangered plant species;
  - coastal areas;
  - mountain and forest areas;
  - national parks, nature reserves, cultural reserves, areas of national interest, Natura 2000 areas, water protection areas, biotope protection areas and other areas protected under Chapter 7 of the Environmental Code;
  - populated areas;
  - historically, culturally or archaeologically significant sites;
  - contaminated areas.
- Show on a clear map residential buildings, nurseries, schools, business premises, etc. within at least 500 metres of the activity, with details of:
  - property owners;
  - addresses;
  - cadastral references;
  - distance to planned and any existing activities.
- Possible safeguards with justification for proposed measures
- Impact on human health and the environment and environmental targets

#### Environmental data and environmental quality standards

- Describe the environmental quality standards in force in the area affected by the activity
- Describe nutrient pollution studies in watercourses draining the farm, including the spreading area
- Describe the water body or bodies concerned, indicating the status classification and the status of all parameters and quality factors included in the status classification and on which the activity may have an impact
- Measures that are relevant in action programmes to enable a good status to be achieved in the water bodies of the catchment area

## Chemicals handling – e.g. fuel, pesticides, detergents and oil storage

- List of type and quantity
- Storage location for chemicals must be indicated and described
- For cisterns, the volume stored, the nature of the bund walls, the anti-entrapment devices and the date and results of the last inspection must be specified
- Description of the place where any pesticide equipment is filled and cleaned
- Possible safeguards with justification for proposed measures
- Impact on human health and the environment and environmental targets

## Transport

- Transport routes and all transport (including transport vehicles) to and from the site and transport within the site (stables and spreading areas)
- Impacts on health and the environment caused by transport to and from the site and within the site
- Possible safeguards with justification for proposed measures
- Impact on human health and the environment and environmental targets

## Energy

- Boiler size (for activities where the total installed rated thermal input exceeds 1 megawatt, the EU Directive on medium combustion plants applies, for example, to emissions of particulate matter, nitrogen oxides and sulphur oxides into the air)
- Information on fuel type and use and the annual operating time
- Chimney height
- Emissions from combustion (particulate matter, carbon monoxide, nitrogen oxides and sulphur oxides)
- Handling of ash
- Other energy use (electricity, heating and waste heat)
- Possible safeguards and energy-saving measures with justification for proposed measures
- Impact on human health and the environment and environmental targets

## Manure management

- Quantities produced per year and species and total for any existing and planned production
- Information on storage locations. If manure is passed on to, for example, a manure intermediary, a biogas plant or a plant grower, your responsibilities must be clearly stated based on where you have access to the manure
- Size and design of manure trays and slurry tanks and their locations (including satellite wells)
- Filling method and covering to be specified
- Estimated storage time for manure, in number of months
- If manure is disposed of, the procedures and quantities must be reported, as well as details of who will receive the manure
- Information on how and how often manure analyses will be carried out
- Calculation of the required spreading area according to current regulations (standard and own analysis of manure) and soil classification
- Available spreading area (both owned and leased), indicating:
  - cadastral reference;
  - municipality and owner;
  - areas of no-spread zones adjacent to watercourses, water wells and housing that are counted against an available spreading area.

- No-spread zones adjacent to housing, agglomerations and watercourses must be indicated in metres and shown on a map
- Maps of the spreading areas, indicating the results of the current soil mapping
- Plant nutrient assessment calculations and manure calculations for the whole farm with all spreading areas (own and contracted) listed for any existing and planned production
- Interpretation of and commentary on the plant nutrient assessment
- In the case of ranching with grazing animals, a plant nutrient assessment must also be carried out on the grazing area, including details of the winter grazing area
- Spreading technique, working in, etc.
- Possible safeguards (e.g. to minimise nitrogen loss and odour and to maximise the use of plant nutrients), with justification for proposed measures
- Impact on human health and the environment, environmental quality standards and environmental targets

#### Emissions into the air from stables, manure storage and spreading

- Type, levels and quantities of pollutants (e.g. ammonia, methane, nitrous oxide and carbon dioxide from stables and manure stores)
- Prevailing wind direction, indicating where the statistics come from
- Odours
- Possible safeguards (e.g. to minimise nitrogen loss and odour and to maximise the use of plant nutrients), with justification for proposed measures
- Impact on human health and the environment and environmental targets

#### Emissions into water

- Stormwater from roofs and activity areas
- Surface run-off from open-air areas and other hard surfaces, with information on water content
- Locations of wells (marked on map)
- Recipient and discharge points marked on map
- Handling of cleaning water from stables, including quantities
- Drainage from areas such as milking parlours
- Sanitary wastewater from staff facilities
- Water from flushing plates and its contents
- Water from surfaces with feed or solid manure
- Land sensitive to erosion (marked on clear map)
- Wetland or area for possible wetland
- Drainage needs
- Individual wells (marked on clear map)
- Nitrogen leaching calculation for own land
- Possible safeguards with justification for proposed measures
- Impact on human health and the environment, environmental quality standards and environmental targets

#### Noise

- Noise measurements carried out, if any
- Noise sources, including transport within the site, with information on the noise level at housing
- Possible safeguards with justification for proposed measures

- Impact on human health and the environment and environmental targets

## Waste

### Waste:

- Waste codes according to the Waste Regulation, indicating:
  - quantity;
  - storage facilities;
  - bund walls.
- Disposal, recycling, energy recovery

### Hazardous waste:

- Waste codes according to the Waste Regulation, indicating:
  - quantity;
  - storage facilities;
  - bund walls.
- Disposal, carrier, consignee, possible permit/notification for shipment of waste

### or hazardous waste

- Dead animals, indicating:
  - quantity;
  - storage facilities;
  - final disposal.
- Possible safeguards with justification for proposed measures
- Impact on human health and the environment and environmental targets

## Management of land, water and other resources

- Consumption of energy and raw materials
- Water use, indicating water abstraction and source (boreholes, wells, municipal)
- Impact of water abstraction on public and private interests
- Reuse, recycling, energy recovery and more
- Contaminated areas
- Presentation of current conditions compared with future conditions
- Possible safeguards with justification for proposed measures
- Impact on human health and the environment, management of resources and environmental targets

## Impact of accidents – e.g. malfunction or fire

- Spread of fire smoke
- Disposal of extinguishing water
- Possible safeguards with justification for proposed measures
- Impact on human health and the environment and environmental targets

## Summary of impacts on health and the environment

Summarise the impacts that the planned activity or measure is expected to have on health and the environment.

## Non-technical summary of the environmental impact assessment

Provide a non-technical summary of the contents of the environmental impact statement. It should be adapted so that non-specialists can also form an opinion of the content.



### Annexes that must accompany the environmental impact assessment

- Site plan with explanations
- Any detailed plan or zoning regulations and current master plan
- Drawings indicating:
  - emission points into the air (energy and processes);
  - emission points into water (process wastewater, surface run-off, cooling water, sanitary wastewater) storage site for raw materials and chemicals;
  - storage site for hazardous waste.
- Clear maps of own and contracted spreading area
- Clear map of the farm, indicating neighbours within 500 metres, and a clear overview map
- Plant nutrient assessment
- Manure calculation
- Leaching calculation

### Submitting the application documents

The application, including an environmental impact assessment, must be submitted to the Environmental Impact Assessment Committee (*miljöprövningsdelegationen*) at the County Administrative Board (*länsstyrelsen*) in the area where the activity is to be carried out. The application documents must be submitted in the number of copies (including one original) decided by the Environmental Impact Assessment Committee / County Administrative Board, as well as digitally.