

OFFICE TRANSLATION

LEGAL TEMPLATE – NS 8407 – APPENDIX C1-1 CLIMATE AND ENVIRONMENT SPECIFICATION

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Valid for: Avinor AS, Svalbard Airport

The document is uncontrolled if printed or downloaded

1 SCOPE

This template applies to all development projects in the Avinor Group, which are carried out as design and build contracts according to NS 8407. The contract consists of the following appendices:

- SP00576 Contract Document
- A SP00577 General Part – Information about the Assignment
- B Contract Provisions
 - SP00578 B 1 General Contract Provisions (NS 8407)
 - SP00578 B 2 Special Contract Provisions
 - SP00579 B 3 Guarantee Document
 - SP00580 B 4 Agreement on Responsible Business Management
 - SP00581 B 5 Power of Attorney for Obtaining Information on Tax and Duty Matters
- C Technical Requirements
 - SP00582 C 1-1 Climate and Environment
 - SP00583 C 1-2 Technical Framework Conditions
 - SP00584 C 2 Technical Description
 - SP00585 C 3 Drawings and Models
 - SP00586 C 4 Technical Reference Documents
 - SP00587 C 5 Tests and Commissioning
- D Requirements for the Construction Process
 - SP00588 D 1 Administrative Routines

- SP00589 D 2 Quality Assurance
 - SP00590 D 3-1 Client's HSE Plan (front page)
 - SP00591 D 3-2 Requirements for HSE and Fire Safety
 - SP00592 D 4-1 Notification of Works
 - SP00593 D 4-2 Documentation Requirements in Projects (O&M)
 - SP00594 D 4-3 Training Requirements (for OSL)
 - SP00596 E Deadlines, Liquidated Damages, and Progress Planning
 - SP00597 E 2 Asphalt Surfaces – Sanctions
 - SP00598 F Remuneration
 - SP00599 G Client's Deliverables
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2 DESCRIPTION

The content of the contract must be adapted to each individual project.

Text marked in yellow is guidance text/suggestions. Yellow-marked text must be adapted to the relevant project or deleted.

Text marked in blue applies only to projects carried out at Oslo Airport and must be deleted for projects at other airports.

All marked text must be reviewed, and color marking removed before the contract is sent out.

Corporate Legal and relevant professional environments may be contacted for assistance.

3 INTERFACES AND REFERENCES TO PROCESSES AND DOCUMENTS

This template is used by the following:

The template shall be used for all development projects in the Avinor Group, which are carried out as design and build contracts

- Avipro – Construction and civil engineering projects
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4 REGISTRATIONS

This cover page provides information about the template itself. The cover page should not be included in the final document to be stored as documentation.

When the template is downloaded, you may delete pages 1 and 2.

Be aware that each time the template is to be used, it must be retrieved from the tool for governing documents so that the latest valid version is always used.

The document you have prepared using this template must be stored in Avinor's archive system (360), including attachments and together with the contract signing form.

5 ATTACHMENTS

The list of attachments is included under "Scope".

APPENDIX C1-1 CLIMATE AND ENVIRONMENT

Contents

1. Environmental Management
 2. Product and Material Selection
 3. Waste
 4. Greenhouse Gas Accounting and Energy Consumption
 5. Pollution
 - 5.1 Spills and Discharges
 - 5.2 Contaminated Soil
 6. Natural Values
 7. Attachments
-

1 ENVIRONMENTAL MANAGEMENT

The design and build contractor shall have systems and routines that ensure compliance with all environmental requirements, both legal and contractual.

The contractor shall appoint an environmental manager who will have daily responsibility for environmental work and ensure that this is carried out in accordance with requirements and described routines and procedures. The competence and/or experience of the environmental manager must be documented.

All personnel in the project must be familiar with the project's environmental objectives, requirements, and risk factors, the contractor's emergency plan for acute pollution, as well as the contractor's routines and systems for compliance with environmental requirements.

The contractor shall hold a start-up meeting/introduction course for project personnel

where this is reviewed.

The contractor shall, within the deadline specified in the overview of document deadlines in Appendix E, submit a project-adapted Environmental Follow-up Plan (MOP) to the client. Where an Environmental Follow-up Plan has been prepared in the preliminary design phase, it shall be continued by the contractor.

The Environmental Follow-up Plan shall be used and updated throughout the project's lifetime for documentation and follow-up of requirements for the external environment.

The Environmental Follow-up Plan shall:

- Refer to the relevant requirements
- Include/describe the planned control method with reference to routines for carrying out the activities
- Appoint who is responsible for the activity and for checking that the requirements are met
- Specify when control is to be carried out
- State control results
- Refer to documentation confirming that the requirements are met

The contractor shall carry out and document risk assessments covering environmental topics.

The contractor shall share and report relevant information to the client in accordance with Avinor's guidelines for sustainability reporting.

2 PRODUCT AND MATERIAL SELECTION

Products and materials shall be selected based on environmental impact from a life cycle perspective (production, transport, use, and disposal).

Materials and products that must be handled as hazardous waste during waste management shall be avoided as far as possible.

Materials and products shall, as far as possible, be reusable or recyclable.

Reuse of demolition materials and concrete must be specifically clarified with the client.

Products and materials shall not contain substances hazardous to health and the environment listed on the Norwegian Environment Agency's priority list or the REACH candidate list.

The substitution obligation must be observed.

Timber used in projects must come from sustainable forestry and be certified according to the PEFC or FSC standard. Tropical timber must not be used. This also applies to environmentally certified tropical timber.

Materials and products exposed to indoor air must be low-emitting in accordance with

NS-EN 16798-1:2019.

The contractor shall maintain a material list with an overview of materials and products as well as documentation of compliance with relevant environmental requirements and certifications for each material and product. The material list must be continuously updated and available to the client.

3 WASTE

The contractor shall prepare a waste plan for their work and plan their work in such a way that the amount of waste generated is minimized.

For buildings, a maximum of 25 kg of waste per m² GFA may be generated.

Waste-reducing measures and solutions as well as reuse potential shall be assessed and pursued.

At least 80% of the waste must be source-separated and delivered to an approved facility.

All hazardous waste must be source-separated and stored in such a way that it is inaccessible to third parties and does not cause discharges. Hazardous waste must be delivered to an approved facility.

When carrying out measures in existing buildings, a survey of building components, installations, and the like that may constitute hazardous waste must be carried out. The contractor clarifies with the client whether such a survey has been carried out if this is not included in the tender documents.

If the contractor discovers hazardous substances during demolition, work must be stopped and the client notified. The need for necessary investigations/measures is clarified with the client.

The waste plan must be available by the deadline specified in Appendix E.

4 GREENHOUSE GAS ACCOUNTING AND ENERGY CONSUMPTION

The contractor shall include specific measures in the Environmental Follow-up Plan to ensure that energy consumption and greenhouse gas emissions during the execution phase are reduced.

The contractor shall keep track of the project's energy consumption and greenhouse gas emissions and prepare a greenhouse gas account for the contract.

A preliminary greenhouse gas account must be submitted together with the Environmental Follow-up Plan, while the final greenhouse gas account must be submitted upon completion of the work.

5 POLLUTION

5.1 Spills and Discharges

Spills/discharges of chemicals must not be introduced into the airport's wastewater or stormwater system, soil, or recipients.

The contractor shall plan their operations so that spills/discharges are avoided.

The Environmental Follow-up Plan shall include specific measures to ensure compliance with this requirement.

Reference is also made to the relevant airport's discharge permit, inflow permit, and vulnerability classification.

5.2 Contaminated Soil (DELETE FOR PROJECTS WITHOUT EXCAVATION WORK)

It must be assumed that all Avinor's properties have soil contamination, unless it is documented that the soil is clean through previous sampling.

Environmental technical soil surveys in accordance with the Norwegian Environment Agency's guide TA-2553 and Avinor's instruction "Sampling of soil during earthworks" must be carried out, and the existing contamination situation must be clarified before excavation can take place.

The contractor clarifies with the client whether an environmental technical soil survey has been carried out if this is not stated in the tender documents. Sampling must be carried out by qualified personnel.

Reference is made to the Pollution Regulations § 2-10 regarding the obligation to stop initiated earthworks if contamination in the soil is suspected or discovered; all work that may trigger the risk of spreading must be stopped immediately. This does not apply to measures necessary to reduce or stop the pollution. The client must be notified, and the need for necessary investigations/measures must be clarified in consultation with the client.

Masses must be handled in accordance with Avinor's instruction "Handling of contaminated masses", and the contractor must, before handling excavated masses, prepare a mass handling plan showing the planned disposal of masses.

Imported masses must be documented as clean and suitable for the purpose.

5.2.1 Dust

The contractor shall plan their operations so that dust dispersion is avoided. If necessary, the contractor shall implement necessary measures to reduce dust dispersion. This requirement applies to both indoor and outdoor work. Dust-reducing measures must be as environmentally friendly as possible and meet other environmental requirements.

6 NATURAL VALUES (DELETE FOR PROJECTS WITH ONLY INDOOR WORK AND SITE SET-UP)

The contractor shall take into account known natural values or known occurrences of alien species in the relevant project.

If the contractor observes natural values within the intervention area that are given special protection under legislation and regulations or observes alien species, work must be stopped and the client notified. The need for necessary investigations/measures must be clarified in consultation with the client.

The spread of alien, harmful species must be prevented by avoiding the spread of soil and plant material.

The contractor shall prepare a mass handling plan when handling masses with alien species and handle the masses in accordance with Avinor's instruction for Mass Handling.

Imported soil to the airport must be documented free of alien species.

New planting must be adapted to local climatic conditions.

Avinor's checklist "Planting of seeds and plants" must be followed.

7 ATTACHMENTS (DELETE FOR PROJECTS WITHOUT EXCAVATION/OUTDOOR WORK)

- Avinor's instruction IN01224 – Sampling of soil during earthworks
- Avinor's instruction IN02217 – Handling of contaminated masses
- Avinor's instruction IN00336 – Alien species during excavation and mass movement
- Avinor's checklist SS00440 – Planting of seeds and plants