



Corporate directive on environmental protection

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1. Introduction

This corporate directive defines the framework and describes the various areas of activity of environmental protection within the Aurubis Group. It also includes the tasks to implement the European chemical directive REACH.

The areas of responsibility of the Corporate Function Environment are derived from this in collaboration with the local environmental protection managers and the general managers respectively the plant managers. This should ensure uniform procedures for environmental protection within the Group and in how it presents itself to the outside world.

This directive is issued by the Corporate Function Environment, which will regularly check whether this directive is up-to-date and drafts amendments as required.

2. Targets

The corporate directive on environmental protection defines the requirements that are to be implemented by those responsible, adapted to local needs and demands. If not already available, management systems and detailed procedures must therefore be compiled at the sites and implemented. These documents must be examined on an annual basis to ensure they are up-to-date and practical and updated as necessary. The management systems contain a documentation that defines the implementation for the respective site taking into account site-specific conditions and special features. The environmental needs will be actively controlled and monitored by those responsible on the basis of concrete targets and an audit and reporting system.

The following targets have been adopted in the Aurubis Group for environmental protection:

- » The continuous improvement of water protection, soil protection and immission control are key targets of the environmental protection sector.

- » Environmental and climate protection shall be further developed on our own responsibility in such a way that natural resources are conserved, burdens on the environment and our employees avoided or reduced to a minimum.

- » The special requirements of environmental protection shall be taken into account when planning and developing new products and production processes.

- » The processed raw materials and intermediary products shall be returned as completely as possible to the economic cycle; unavoidable waste shall be recycled or disposed of without causing harm. Raw material suppliers shall be given advice as required on environmental protection.
- » Danger to our employees, neighbours and the environment shall be averted by taking essential precautions to avoid accidents and operational disruptions with environmental impacts, and yet at the same time the impacts of any incidents or disruptions restricted to a minimum that may nevertheless occur.
- » The sense of responsibility in our staff as regards environmental protection shall be boosted and a frank and objective dialogue based on trust conducted with them, the responsible authorities and the general public.
- » Our clients shall be given a suitable briefing on the properties of our products and essential safety measures and advised on questions regarding product disposal.
- » External companies acting for us shall be selected, informed and advised to guarantee the adherence to legal requirements and our own standards on environmental protection.

The targets in environmental protection are to be implemented by the person responsible at the respective site in the site's management system. Procedure instructions will be given to ensure that the targets are implemented and adapted to local needs and demands.

For those measures which are clearly exceeding the legal requirements, the economic situation of the sites as well as of the company has to be taken into account.

3. Application and scope

This directive applies with immediate effect for the entire Aurubis Group (including the subsidiaries as long as Aurubis is the majority shareholder).

4. Responsibility

The executive management as the operator of installations requiring a permit is responsible for compliance with the environmental protection regulations. The executive management assigns the part of this responsibility that can be delegated to the plant manager and the responsible managers as well as to the corporate function environment and the individual environmental protection managers at the sites.

It is part of the line responsibility in the Aurubis Group to ensure that external and internal requirements are fulfilled. The line managers ensure that the available organisation and resources are sufficient and appropriate to implement the legal and corporate requirements.

This must be delegated to the plant managers at the respective sites, who are responsible for the implementation of environmental protection at the site in accordance with this directive, the resultant procedures and compliance with legal requirements.

The Executive Board member who is responsible for environmental protection ensures that measures for environmental protection are uniform within the Aurubis Group and can delegate part of this responsibility to the Corporate Function Environment.

The Corporate Function Environment is directly responsible to the respective Executive Board member and reports to him direct. The Corporate Function Environment is responsible for the coordination of environmental protection in the Group. For this reason, the Corporate Function Environment must be advised about all relevant environmental issues, which are significant on site or group level, and should be included in the decision-making process. As required and sensible, a manager responsible for environmental protection will be appointed for each of the Group's sites/companies.

Environmental protection issues that are of paramount importance are the responsibility of the Group Environmental Protection (for example: reporting as part of the annual Group environmental report and representing the Group at the European authorities, e.g. in the BREF Note process or the REACH sector).

The Corporate Function will be kept informed about important local environmental issues by the local environmental protection managers. For important environmental protection requirements, the action to be taken in the local environmental protection sector must be agreed with the Corporate Function Environment. This also applies for capital expenditure on environmental protection in accordance with the Group investment guideline.

The Corporate Function informs the Executive Board member who is responsible for environmental protection of the Group and this member of the board decides in relevant cases on the action to be taken, after coordination with the Chief Executive Officer and the BU-Executive Board member which is responsible for the site.

These responsibilities and the detailed regulations must be defined and implemented as part of the existing management systems for the sites (primarily ISO 14001).

5. Information and reporting

5.1 Regular information

In order to ensure the exchange of information on environmental protection within the Aurubis Group, the Corporate Function regularly organises environmental meetings with the environmental protection managers of the sites. The Executive Board member responsible for environmental protection generally attends these meetings. The plant manager or the executive manager also receives an invitation and thus the opportunity to take part. In addition, regular video conferences and conference calls are held on environment-related topics with the aim of increasing efficiency and avoiding wasting resources by long journeys.

Apart from this internal information exchange, information is exchanged externally by taking part in industrial associations and meetings with third parties. This committee work is coordinated by the Corporate Function. The interested general public is informed by publications and the annual environmental report. The corporate function provides the information, coordination and consolidation of Advocacy Function in relevant cases which are significant for this function.

Since the Corporate Function Environment is responsible for the coordination of environmental protection in the Group, the environmental protection managers at the sites include the Corporate Function in all relevant environmental issues at the sites. These are in particular lobby work in environmental protection, important discussions with the authorities or politicians, exceedance of limit values, environmental concerns, which could have repercussions for the site, the Group or the general public, major changes in licences and capital expenditure on environmental protection.

This reporting requirement generally applies for the local environmental protection manager and as necessary in special cases (if the information cannot be passed on by the environmental protection manager or in cases that are of major importance for the Aurubis Group environmental protection) for the plant manager or the respective executive manager.

The calculation basis for the uniform determination of the key factors in environmental protection that was implemented in 2008 remains unchanged. The environmental protection managers report on the key factors to the Corporate Function twice a year and on request. The key factors in environmental protection are certified once a year by an external verifier.

The Corporate Function compiles an environmental report for the Aurubis Group once a year, for which the production sites and subsidiaries make a contribution for their sector.

5.2 Occurrence reports

The Executive Board, the Environmental Manager of the site and the Corporate Function Environment must be informed without delay in the event of a production failure with relevant environmental repercussions or an accident or in the event of an incident with expected media and public attention. A reporting system must be set up at all sites to ensure that all affected Group levels are informed clearly, reliably and quickly.

6. Incident management and plant malfunctions

Contingency plans must be in place for emergency situations and environmental incidents. They describe essential precautions to avoid accidents and operational disruptions and define measures that are aimed at averting danger to our employees, neighbours and the environment or restricting to a minimum the impact of any incidents or disruptions that may nevertheless occur.

The plans are, if required, agreed with the authorities, neighbouring companies and public services. Regular emergency drills are carried out to confirm that these plans function.

These drills must therefore be performed regularly, documented and assessed.

7. Qualifications and training

It must be ensured that all work is performed by suitable persons with the proper training.

Environmental protection managers must have an official qualification and take part regularly in information events and training courses on environmental protection. They proactively advise the responsible managers.

The site employees with line responsibility are kept regularly informed as part of environmental quality circles, topic-related information events on environmental protection or in direct discussions with the environmental protection managers and given regular training on environment-relevant activities.

The training is either given internally by the respective specialists or superiors or in courses held externally. It must be ensured that all responsible employees are trained regularly and

repeatedly and are instructed about compliance with environmental protection requirements. Records are to be kept about attendance at training courses.

In addition, the employees are regularly informed about relevant topics related to environmental protection by the Corporate Function Environment and the local environmental protection managers.

If the instruction is given by an external service provider or external environmental protection managers, a standard must be agreed in the service agreement that corresponds with the Aurubis guidelines. In the event of repeated violation, the service provider will be excluded when contracts are awarded in future.

8. External company management

It must be ensured that service providers who perform work in Aurubis production provide appropriately qualified personnel. The Procurement Dept. is informed about the works-specific requirements that must be fulfilled as regards environmental protection so that these are agreed with the service providers and external companies as a binding part of the order. The external workers are to be briefed on compliance with environmental protection requirements before starting the work and confirm same by signing a document.

9. Documentation

The documents on the environmental management systems and the procedure specifications are made available to the employees at the respective sites in the Aurubis internal intranet or on a server and updated on an annual basis. This ensures that the latest version of a document is always available on site.

Legally relevant documents must be accessible and findable at all times. To ensure this, an organisation must be set up at site level which defines the structure, form, minimum content, type and duration of filing. The documents must be controlled in such a way that is binding as regards access authority, distribution, up-to-dateness and filing.

10. Committee work

The Executive Board member responsible for environmental protection, as required after consultation with the Chief Executive Officer or other Executive Board members, defines the scope and makes decisions about the Group's representation in environmental protection.

The representation of Aurubis in environmental protection, for example in working groups of the associations, the representation of interests as regards European authorities, such as the BREF Note process or the REACH sector is coordinated by the Corporate Function Environment as agreed and in accordance with the directives of the Executive Board member responsible for the environmental protection of the Group. Corporate function environment informs also the Advocacy Group Function about significant environmental issues in the committee work.

The Corporate Function informs the Executive Board member which is responsible for environmental protection of the Group and he decides in relevant cases on the action to be taken, when required after consulting with the Chief Executive Officer respectively the other members of the Executive Board.

In addition, the Corporate Function informs the site environmental protection managers, the plant manager or the executive manager, BU managers and those responsible and affected in individual cases about relevant environmental topics and the development of the committee work.

11. Audits and certification

The environmental management systems at the sites remain an important part of the corporate directive on environmental protection.

The requirements of this directive are implemented for the respective sites as part of the already existing environmental management systems and through corresponding procedures. This has been ensured for the sites at Avellino, Hamburg, Lünen, Olen and Pirdop by inclusion in the long-standing management system, which is certified in accordance with ISO 14001. The guidelines are implemented for Hamburg and Lünen additionally as part of the EMAS management system. Environment-relevant sites belonging to the Aurubis Group must have a certified management system in accordance with ISO 14001 (or a comparable one).

Corresponding procedures must be put in place for the other sites with less environmental impacts or subsidiaries without existing environmental management systems, and effective instruments used for implementation (such as operating instruction and training for those responsible and instruction for the employees).

The environment-relevant sites are also audited and certified by an external verifier in addition to the certification of the management systems once a year as regards compliance with the requirements of group environmental protection and the key figures on environmental protection. This annual audit by an external verifier is coordinated by the Corporate Function and is a good opportunity for us to have the successful implementation of environmental protection and the resultant achievements at the sites audited and confirmed by an external third party.

12. Continuous improvement process

The setting up of a continuous improvement process as part of the management system is the precondition for continuous positive further development in the environmental protection sector. It must be ensured that deviations from targets/specifications are properly recorded, deviations assessed, corrective measures initiated and monitored as regards their effectiveness.

The results are regularly presented as part of the management reviews on environmental protection that are coordinated by the Corporate Function Environment and assessed by the Executive Board member responsible for environmental protection, particularly as regards the strategic orientation of the group environmental protection. If necessary, this assessment can be carried out by the Corporate Function Environment in individual cases, subject to agreement with the Executive Board.

Resultant changes are documented and flow into the management system for the purpose of achieving continuous improvement and updating the system.